Docket Nos. UE-190529 and UG-190530 (Consolidated) - Vol. IV

WUTC v. Puget Sound Energy

February 6, 2020

WITH CORRECTIONS SUBMITTED BY PUGET SOUND ENERGY ON MARCH 19, 2020



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1	BEFORE THE WASHINGTON
2	UTILITIES AND TRANSPORTATION COMMISSION
3	
4	WASHINGTON UTILITIES AND) DOCKETS UE-190529 and TRANSPORTATION COMMISSION,) UG-190530 (Consolidated)
5	Complainant,)
6	vs.)
7	PUGET SOUND ENERGY,)
9	Respondent.)
10	respondent.)
11	EVIDENTIARY HEARING, VOLUME IV
12	Pages 172 - 453
13	ADMINISTRATIVE LAW JUDGE RAYNE PEARSON
14	
15	February 6, 2020
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17	1:07 p.m.
18	Washington Utilities and Transportation Commission
19	621 Woodland Square Loop Southeast Lacey, Washington 98503
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25	REPORTED BY: CRYSTAL R. McAULIFFE, RPR, CCR 2121

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1	LACEY, WASHINGTON; FEBRUARY 6, 2020
2	1:07 P.M.
3	000
4	PROCEEDINGS
5	
6	JUDGE PEARSON: So let's be on the record.
7	If you're ready.
8	Good afternoon. Today is Thursday,
9	February 6, 2020. The time is approximately 1:07 p.m.
10	My name is Rayne Pearson, I'm the
11	Administrative Law Judge with the Washington Utilities
12	and Transportation Commission, and I will be presiding
13	in this matter along with the Commissioners who will
14	join us in a few moments.
15	We're here today for an evidentiary hearing
16	in consolidated dockets: UE-1490529; UG-1909530;
17	UE-190274; UG-190275; UE-190991; UG-190992; UE-171225;
18	and UG-171226, which are PSE's Electric and Natural Gas
19	general rate case and also its accounting petitions
20	related to Get To Zero, the Green Direct Program, and
21	the Tax Cuts and Jobs Act.
22	So let's take short appearances starting
23	with PSE, and then we'll go around the room.
24	MS. CARSON: Good afternoon, Your Honor.
25	Sheree Strom Carson with Perkins Coie representing PSE.

1	And also here with me today from Perkins Coie
2	representing PSE are Jason Kuzma, Donna Barnett, and
3	David Steele.
4	MS. BARLOW: This is Marie Barlow
5	representing the Northwest Energy Coalition.
6	MR. PEPPLE: Tyler Pepple, with Davison
7	Van Cleve representing the Alliance of Western Energy
8	Consumers.
9	MR. COLEMAN: Brent Coleman also with
10	Davison Van Cleve for on -about behal <mark>f <u>of</u> AWEC.</mark>
11	MR. FFITCH: Simon ffitch representing The
12	Energery Project.
13	MS. PAISNER: Ann Paisner with the Public
14	Counsel Unit with the Washington State Attorney General.
15	MS. GAFKEN: Lisa Gafken, Assistant Attorney
16	General, appearing on behalf of public counsel.
17	MR. ROBERSON: Jeff Roberson, AAG, appearing
18	for Staff.
19	MS. CAMERON-RULKOWSKI: Jennifer
20	Cameron-Rulkowski, Assistant Attorney General, appearing
21	on behalf of staff. And with me in the case are also
22	Harry Fukano, Joe Dallas, Nash Callaghan, and Daniel
23	Teimouri, Assistan <u>t</u> ce Attorneys General.
24	THE COURT: Okay. Thank you.
25	And Ms. Liotta.

1	MS. LIOTTA: Yes, Your Honor. Rita Liotta
2	with the Federal Executive Agencies.
3	THE COURT: Mr. Boehm.
4	MR. BOEHM: KCurt Boehm, appearing on behalf
5	of The Kroger Company, doing business as Fred Meyer
6	stores.
7	THE COURT: Great. Thank you.
8	So now that we're on the record I will ask
9	again if the parties stipulate to the admission of all
10	of the pre-filed exhibits and testimony?
11	MS. CAMERON-RULKOWSKI: Commission staff so
12	stipulates.
13	MS. GAFKEN: Public Counsel stipulates.
14	MR. FFITCH: The Energery Project stipulates.
15	MR. COLEMAN: AWEC stipulates.
16	MS. BARLOW: NWEC stipulates.
17	MS. CARSON: PSE stipulates.
18	THE COURT: And, Ms. Liotta, you do as well;
19	correct?
20	MS. LIOTTA: Yes, FEA so stipulates.
21	THE COURT: And Mr. Boehm.
22	MR. BOEHM: Kroger so stipulates.
23	THE COURT: So I will provide a copy of the
24	exhibit list with the court reporter so it will be made
25	part of the record.

1	And just to let everyone know, I have made
2	all of the corrections identified by the parties. And I
3	will circulate the final exhibit list to the parties
4	after the hearing is over.
5	MS. CAMERON-RULKOWSKI: Your Honor?
6	THE COURT: Yes.
7	MS. CAMERON-RULKOWSKI: May I have your
8	attention?
9	I know that Nucor Steel has been excused
10	from the hearing, but we do have an e-mail indicating
11	that Nucor also stipulates to the admission of all of
12	the exhibits.
13	THE COURT: Okay. Thank you. I appreciate
14	that.
15	Okay. So is there anything else we need to
16	discuss before we turn to the schedule for today's
17	hearing?
18	Okay. Hearing nothing.
19	After the Commissioners join us, we'll begin
20	cross-examination.
21	So first we'll convene the attrition panel,
22	followed by the cost of capital panel, the cost service
23	rate spread and rate design panel, and then finally the
24	IT investment panel. After that, we will call
25	individual witnesses in the order agreed to by the
	mannada manacad manacada agraca ag

1	parties.
2	MS. CARSON: Your Honor, would you like us
3	to have the attrition panel come on up now?
4	JUDGE PEARSON: I was just going to say
5	that.
6	If the attrition panel could make their way
7	to the witness panel while we take a recess, I will go
8	and get the Commissioners; and then I will swear you all
9	in as soon as we reconvene.
10	So with that, we will take a short recess
11	and I will go and get the Commissioners.
12	(A recess was taken from 1:14 p.m. to 1:20 p.m.)
13	JUDGE PEARSON: Okay. We'll be back on the
14	record following a short recess. I am joined by Chair
15	Danner, Commissioner Rendahl, and Commissioner Balasbas.
16	The parties have stipulated to the admission
17	of all the pre-filed exhibits including the
18	cross-examination exhibits.
19	So let's just briefly go around the room and
20	take short appearances again beginning with the Company.
21	MS. CARSON: Good afternoon, Commissioners.
22	Sherry Sheree Strom Carson with Perkins Coie representing Puget
23	Sound Energy. And also here with me today representing
24	Puget Sound Energy are Jason Kuzma, Donna Barnett, and
25	David Steele.

1	MS. BARLOW: Good afternoon. Marie Barlow,
2	with Sanger Law representing Northwest Energy Coalition.
3	MR. PEPPLER: Tyler Pepple with Davison
4	Van Cleve representing the Alliance of Western Energy
5	Consumers.
6	MR. COLEMAN: Brent Coleman also with
7	Davison Van Cleve on behalf of the Alliance of Western
8	Energy Consumers.
9	MR. BOEHM: Good afternoon. Kurt Boehm
10	appearing on behalf of The Kroger Company and Fred Meyer
11	Stores.
12	MR. FFITCH: Good afternoon. Simon ffitch
13	on behalf of The En <u>er</u> g er y Project.
14	MS. PAISNER: Ann Paisner on behalf of the
15	Washington State Attorney General, Public Counsel Unit.
16	MS. GAFKEN: Good afternoon. Lisa Gafken,
17	Assistant Attorney General, appearing on behalf of
18	Public Counsel.
19	MR. ROBERSON: Jeff Roberson, AAG, for
20	Staff.
21	MS. CAMERON-RULKOWSKI: Good afternoon.
22	Jennifer Cameron-Rulkowski, Assistant Attorney General,
23	court commission staff. And with me on this case are
24	Nash Callahan, Harry Fukano, Joe Dallas, and Daniel
25	Teimouri.

	Dan Doyle by Commissioner Balasbas
1	JUDGE PEARSON: And Ms. Liotta?
2	MS. LIOTTA: Good afternoon. Rita Liotta
3	representing the Federal Executive Agencies.
4	THE COURT: Okay. Thank you.
5	So the attrition panel is assembled at the
6	witness table. If you could all please stand and raise
7	your right hand. I'll swear you in simultaneously.
8	(Panel Sworn)
9	THE COURT: Okay. Please be seated.
10	Ms. Carson, if you please introduce your
11	witnesses.
12	MS. CARSON: Certainly.
13	We will start at the top there with
14	Mr. Piliaris, Jon Piliaris; Dan Doyle; David Mills; Josh
15	Kensok; Ron Amen; KCarl Rábago; Susan Free; Cathy Koch;
16	and Matt Marcelia.
17	THE COURT: Thank you. And I understand
18	that AWEC has waived its cross-examination of this
19	panel. So we will go straight to the questions from the
20	Commissioners.
21	COMMISSIONER BALASBAS: All right. Good
22	afternoon, everyone.
23	So I will direct this question to whoever
24	would like to take a stab at the answer.
25	So throughout this throughout the

	Dan Doyle by Commissioner Balasbas
1	testimony from the company on the need for an attrition
2	adjustment, there was a lot of discussion and
3	preponderance of costs being beyond the company's
4	control as well as costs that maybe the company
5	potentially may not be able to control.
6	What I did not see in the testimony, though,
7	is any or very little, if any, mention about cost
8	controls.
9	So if the company or if the Commission
10	were to grant an attrition adjustment in this case, what
11	assurance can you give to the commission that the
12	company will do everything it can to control costs going
13	forward?
14	MR. DOYLE: I guess I'll take that one,
15	Commissioner Balasbas.
16	Dan Doyle, Chief Financial Officer.
17	I think that there was some testimony in
18	in my pre-file direct which talked about the savings
19	that we harvested during the rate plan period 2013
20	through 2017, if I'm getting my dates right, and the
21	programs that continued thereafter.
22	In particular, what I would csite in terms of
23	cost control and capital broader capital
24	allocation-type protocols, we continue to limit our

25

growth in OPEX, O&M expenditures, to the rate of

2.2

Dan Doyle by Commissioner Balasbas customer growth which is -- depending upon whether you're talking electric or gas, it's one to one and a half percent per year, which trend is about a hundred basis points under where we're seeing inflation.

That's been very, very effective for us in terms of making sure that our OPEX dollars are going to the highest priority expenditure categories benefitting customers and -- and basically maintaining our plant equipment across the board.

When you get to CAPEX -- and I also should mention that we also -- we have a program called "Be Excellent Program." Not my favorite title, but it is what it is.

It's a program that really goes in and looks at a lot of different areas in the company that are not significant in any one way, shape, or form. It could be a hundred thousand dollars here or a million dollars there, half a million dollars.

But what it does culturally, is it basically sets the tone in the organization that no dollar is too small to chase. So that would be the other side of -- of the OPEX.

When you get to the CAPEX side of the equation, I lay out six or seven categories of spend that we look at. And in any one year, the competition

	Dan Doyle by Commissioner Balasbas
1	for capital can be one and a half to two times of what
2	we can ultimately spend in terms of prudent financial
3	parameters and metrics in operating the business
4	prudently.
5	So in in any given in any given year,
6	you know, there's a lot of projects that will get pushed
7	out as we look at things on a strategic level. Number
8	one, corporate capacity.
9	Do we have the capacity to do all the things
10	we want to do strategically?
11	What are the impact on customer rates?
12	What are the impact on credit metrics?
13	How fast are we harvesting strategic benefit
14	for the for the benefit of customers in terms of a
15	reliability or the G to Z in terms of interfacing with
16	our customers, those sorts of things.
17	And then we kind of go down into some of the
18	operational areas from there and and prioritize based
19	on different criteria across the business, but trying to
20	get that portfolio of spend which gives us the biggest
21	bang for the buck. So it's a fairly rigorous process.
22	I'll stop there and see if you have any
23	follow-up.
24	CHAIRMAN DANNER: So just to be clear, the
25	Be Excellent Program is focused on the operational

Dan Doyle by Chairman Danner that's on the O&M side, not on the CAP side?

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1

MR. DOYLE: It can bleed over to the capital

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particular program, one that comes to mind, we were

side, Commissioner, as well. And if you look at a

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looking at -- and I'm not really sure if this even goes

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to the capital side, but it was looking at mobile

7

devices. And we had a lot of duplication that we just

8

changed policy, paired back on it.

9

allocated into a clearing account from those

11

10

expenditures, it could end up in the capital account.

But to the extent dollars would get

12

13

mentioned all of these things: What is the corporate

14

capacity? What is the inside rate and all those things?

For everything that you've asked on the

capital side in this general rate case, are you saying

that they have all gone through that kind of scrutiny so

anything that you're asking for in terms of recovery of

a capital expenditure has gone through that kind of

CHAIRMAN DANNER: Okay. So when you

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MR. DOYLE: Yes. So basically what we will do is we will run a five-year plan. We look at capital across that five-year plan. And I would say the highest amount of rigor that I talked about would be applied probably early -- in the earlier years of that plan,

es quizo [verbatim].

	Dan Doyle by Chairman Danner
1	only because you've got a line-of-sight timeline-wise.
2	It's very difficult very difficult to apply that
3	rigor and say year five.
4	So give you an example. We don't budget
5	capital for storms. To the extent in year three, we
6	were to get a Hanukkah-Eve-type storm, a
7	sSnowmaggenden-type storm. I think those are our
8	acronyms for our 2012 storm.
9	And the Hanukkah Eve would be you know,
10	was \$110 million dollars in 2006. That would be a
11	\$250 million storm this year.
12	So that's probably 25 or 30 percent of our
13	overall capital budget. If that happened in year three,
14	that's going to change and shift the amount of capital
15	that we would be able to spend during that period of
16	time and still meet our financial metrics. It just
17	makes you shift and move things around.
18	So the rigor is applied earlier in the plan.
19	And certainly every time we set a new plan, the first
20	two years have pretty much gone through that.
21	COMMISSIONER RENDAHL: So this question is
22	for Mr. Mills, but could be for anybody else who wants
23	to answer this question as well.
24	So the way this case is structured is this

is a -- a traditional rate case plus attrition; correct?

	David Mills by Commissioner Rendahl			
1	MR. MILLS: Correct.			
2	COMMISSIONER RENDAHL: It's not captured in			
3	any sort of a number of years that the attrition is			
4	supposed go out; so it's not a multiyear rate plan?			
5	MR. MILLS: It is not a multiyear rate plan.			
6	COMMISSIONER RENDAHL: Okay. Is your mike			
7	on?			
8	MR. MILLS: Maybe it's not close enough.			
9	That's correct. It is not a multiyear rate			
10	plan.			
11	COMMISSIONER RENDAHL: So if the Commission			
12	were to authorize the attrition adjustment in this case			
13	or the attrition plan that you've requested in this			
14	case, customers would see this amount in the rates as if			
15	it were base rates; right? They're not going to see a			
16	different line item that says "attrition."			
17	MR. PILIARIS: I'm maybe better suited to			
18	answer that question.			
19	The answer would be no, it is not going to			
20	be a separate amount on their bill. It would be covered			
21	through base rates.			
22	COMMISSIONER RENDAHL: Okay. So customers			
23	would then pay those rates into the rate effective			
24	period, however long that is; correct? Whether it's one			
25	year or beyond.			

MR. PILIARIS: Until rates are changed subsequently; isn't that correct?

COMMISSIONER RENDAHL: So the amount that you're requesting for all the various projects, there's no indication of how far into the future, so to speak, that -- that those expenses will continue to be in customers' rates until the company files another rate case and you make a decision; correct?

MR. PILIARIS: I think it is consistent with even traditional practice where rates are set for a particular level of expenditure, a particular level of rate base, a particular assumption about the revenues that will be collected and the loads that will be served, and that relationship is assumed toa hold until the rates are changed. So there will be more expenditures going forward into the rate year and beyond.

Obviously, those will be replaced by costs that roll off. So plant that gets depreciated and retires and gets replaced with new plant, it gets added.

So as long as that relationship holds, those rates should be sufficient to cover them.

It's just a matter of whether or not that relationship does hold as new expenditures are made over time.

2.2

	Jon Piliaris by Commissioner Rendahl			
1	COMMISSIONER RENDAHL: And so has maybe			
2	this whoever this is for, does the company have plans			
3	for a future general rate case within another couple of			
4	years? What is that plan for the future?			
5	MR. PILIARIS: Yeah. The company's			
6	five-year plan currently contemplates the need for yet			
7	another rate case filed sometime within within a year			
8	of the conclusion of this case.			
9	COMMISSIONER RENDAHL: All right. So with			
10	the attrition going forward beyond the test year and			
11	then into the rate year, I'm assuming most of you or			
12	some of you may have read the policy statement that we			
13	just issued.			
14	What appropriate review should the			
15	Commission engage in if we approve the attrition plan?			
16	MR. PILIARIS: So the company is has read			
17	the policy statement. Of course, we're still digesting			
18	it. It's fairly fresh.			
19	CHAIRMAN DANNER: Just for the record,			
20	you're talking about the Used and Useful Policy			
21	Statement?			
22	MR. PILIARIS: That's correct, Chair Danner.			
23	Thank you very much.			
24	We read with interest the requirement for			
25	reporting after rates go into effect using an attrition			

Jon Piliaris by Commissioner Rendahl mechanism or multiyear rate plan.

2.2

The company is committed to reporting to the extent the Commission requests in the form the Commission requests, we haven't contemplated exactly what that may look like. So we would appreciate guidance to the extent that the Commission has specific things that it would like to see as part of that reporting.

But we take the policy statement to suggest that there is an interest in knowing that the -- that the expenditures that form the basis for rates actually did occur in the rate effective period and to be able to validate that.

That is probably more to the used component of the used and useful discussion.

The useful element of that is more the prudence of those expenditures. But post hoc prudence.

And we would expect that those would, at least currently, envision those to be reviewed in a future rate case similar to the way in our previous multiyear rate plan that the Commission approved back in 2013 we provided -- we acknowledge that there would be an opportunity for parties and the Commission to review all of our expenditures over that rate plan period to determine the prudence of those after the fact.

	Jon Piliaris by Commissioner Rendahl
1	COMMISSIONER RENDAHL: But none of that
2	granted you didn't have the Use and Useful Policy
3	Statement. But you reference the statute repeatedly.
4	So none of that post-review period is included in any of
5	your testimony; correct?
6	Any of the Company's testimony?
7	MR. PILIARIS: To my knowledge, a specific
8	reporting plan has not been put forth.
9	CHAIRMAN DANNER: So this is a question for
L0	Mr. Doyle.
L1	In your rebuttal testimony, and specifically
L2	I'm talking about DAD-17 7T at page 22.
L3	You propose a change in the company's
L4	earning sharing mechanism. And you call it an
L5	"incremental customer protection" for an attrition
L6	adjustment in the case.
L7	And basically the proposal is setting
L8	sharing bands in an increment of 3 percent of the net
L9	operating income based on PSE's initial revenue.
20	My question is basically, is the
21	structure of this proposal of the 3 percent increment,
22	is that applicable to any attrition adjustment that
23	might be authorized in that case? In other words, if
24	it's less or more than what you request, is that still

the number that you're looking at?

	<u>K</u> Carl Rábago by Commissioner Rendahl
1	MR. DOYLE: That's a good question,
2	Commissioner Danner. I'm proposing that sharing band
3	protection which biases more of excess earnings
4	obviously toward customers as you move through the
5	range, as a replacement of the current 50/50 excess
6	earning sharing mechanism.
7	CHAIRMAN DANNER: Okay. So I would take
8	that as a "yes."
9	MR. DOYLE: Yes.
10	COMMISSIONER RENDAHL: I have a question for
11	Mr. Rábago. Aren't you glad you're here?
12	So in your testimony you have Exhibit, which
13	is your KRR-3.
14	MR. RÁBAGO: Yes.
15	COMMISSIONER RENDAHL: Which is very
16	instructive
17	(Off-record discussion regarding microphone.)
18	MR. RÁBAGO: Hi.
19	COMMISSIONER RENDAHL: Hi. So do you have
20	your Exhibit KRR-3?
21	MR. RÁBAGO: Yes.
22	COMMISSIONER RENDAHL: Okay. So this is a
23	very illustrative exhibit of sort of the entire set
24	of, I guess what you would call in your testimony the
25	transformational investments that need to be made for

	Carl Rábago by Commissioner Rendahl		
1	the company.		
2	MR. RÁBAGO: Yes, ma'am.		
3	COMMISSIONER RENDAHL: Okay. So if you look		
4	in the column that says "rate y <u>ea</u> our forecast." The		
5	largest amount of those investments occur in what we		
6	might call the programmatic investments; correct?		
7	MR. RÁBAGO: Yes.		
8	COMMISSIONER RENDAHL: That 300 sorry,		
9	the print is very small 323-point-something		
10	MR. RÁBAGO: Point nine.		
11	COMMISSIONER RENDAHL: million dollars.		
12	And those are for high molecular weight, worst		
13	performance circuits, et cetera; correct?		
14	MR. RÁBAGO: Yes.		
15	COMMISSIONER RENDAHL: So those are the		
16	so for this is where the attrition kicks in, in your		
17	mind, is allowing those transformative investments to be		
18	made.		
19	MR. RÁBAGO: Yes. And in ensuring that		
20	there's adequate earnings to support those expenditures		
21	for those foundational-type investments.		
22	COMMISSIONER RENDAHL: Because without that,		
23	in your mind, the company would lose earnings?		
24	MR. RÁBAGO: And without this these kinds		
25	of costs are going to come due anyway in terms of		

	<u>K</u> Carl Rábago by Commissioner Rendahl			
1	upgrading and improving the condition of the system and			
2	other things in the future, like CETA implementation are			
3	going to necessitate, if you will, a healthy grid.			
4	So these are as as I described sort of			
5	foundational investments that have come due, if you			
6	will, and need to be done in order to prepare the			
7	utility for the future.			
8	COMMISSIONER RENDAHL: Thank you.			
9	JUDGE PEARSON: Okay. I think that			
LO	concludes questions from the bench. So you all may go			
L1	back to your seats. Some of you will be recalled again			
L2	later.			
L3	And so my understanding is that there are no			
L4	questions for the cost of capital panel from the bench.			
L5	So I think we're going to move straight to			
L6	the cost of service rate spread and rate design panel.			
L7	MS. GAFKEN: And Dr. Moore Morin may be excused.			
L8	I believe, he is on the telephone.			
L9	MS. CAMERON-RULKOWSKI: And, Your Honor, I			
20	would ask the same for David Parcell who's also on the			
21	phone.			
22	MR. PARCELL: Thank you, Your Honor.			
23	JUDGE PEARSON: So, Mr. Piliaris, you are			
24	already sworn in.			
25	If the rest of you could please stand and			

	John Taylor by Ms. Gafken			
1	raise your right hand.			
2	(Panel sworn)			
3	JUDGE PEARSON: Ms. Barnett, are you			
4	introducing these witnesses?			
5	MS. BARNETT: Yes. Thank you.			
6	I'll introduce Jon Piliaris. But next to			
7	him is Birud Jhaveri, and Mr. Amen as you met, and			
8	Mr. John Taylor.			
9	JUDGE PEARSON: Okay. Thank you.			
10	So Ms. Gafken.			
11	MS. GAFKEN: Thank you.			
12	My plan is to pose questions to two of the			
13	panel witnesses. And I'll just take them one at a time.			
14	I would like to start with Mr. Taylor and			
15	then move on to Mr. Piliaris.			
16	CROSS-EXAMINATION			
17	BY MS. GAFKEN:			
18	Q. Good afternoon, Mr. Taylor.			
19	A. Good afternoon.			
20	Q. Would you please turn to your direct testimony,			
21	Exhibit JDT-1T at page 12, line 17.			
22	A. Yes. I'm there.			
23	Q. Beginning there and continuing through page 13,			
24	line 3, you describe that "mains costs are assigned a			
25	special contract customers using PSE's geographic			

	John Taylor by Ms. Gafken		
1	information system or GIS; correct?		
2	A. Correct.		
3	Q. Will you please turn to page 16 lines 15 through		
4	16 of the same exhibit, JDT-1T.		
5	A. Yep, I'm there.		
6	Q. There you state that 0.1315 percent of Mains		
7	were directly assigned to special contract customers		
8	based on the study of Mains; correct?		
9	A. Yes.		
10	Q. Would you please turn to Exhibit JDT-4.		
11	And for this exhibit, I'll have two different		
12	reference points; one for the physical copy and then one		
13	for electronic copy depending on how people are looking		
14	at it.		
15	On the print copy of JDT-4, would you please		
16	turn to page 8.		
17	On the electronic copy, it's columns "BB" as in		
18	"boy, boy" or through "BH."		
19	A. Okay. I'm on page 8 of JDT-4.		
20	Q. Okay. So page 8 shows data related to special		
21	contracts; correct?		
22	A. Yes.		
23	Q. Sir, we're going to stay with JDT-4 for the next		
24	few questions and we'll stay on page 8.		
25	A. Okay.		

		John Taylor by Ms. Gafken
1	Q.	So Mains Plant is shown as Account 376; correct?
2	A.	Yes.
3	Q.	And there are two entries for Mains Plant,
4	Acco	ount 376, and those two lines are associated with
5	peak	and average mains; correct?
6	A.	Correct.
7	Q.	Average mains shows a total of \$855,521;
8	correct?	
9	A.	Yes.
10	Q.	And peak mains shows a total amount of
11	\$1,798,521; correct?	
12	A.	Yes.
13	Q.	Would you accept, subject a check, that the sum
14	of th	ose two numbers is approximately 2.6 million?
15	A.	Yes.
16	Q.	So switching gears.
17		You present your cost I'm sorry, you present
18	your	gas cost of service study in Exhibit JDT-3;
19	corre	ect?
20		Yes, that's the summary of the study. It
21	provi	des information at a higher level where the other
22		its provide some more details.
23		You submitted work papers related to JDT-3; is
24		correct?
25	Α.	Correct.

		John Taylor by Ms. Gafken
1	Q.	Do you have your work papers with you or access
2	to the	em?
3	A.	Some but not all of them. Which one?
4	Q.	I do have a paper copy if we need it.
5	I	But I'm looking at the tab, "Mains cost." It
6	was t	he last tab in the electronic copy.
7	A.	Of which work paper?
8	Q.	The work paper for JDT-3.
9		JUDGE PEARSON: Ms. Gafken, do we have that
10	in evi	dence?
11		MS. GAFKEN: I did not make it an exhibit.
12	I just	wanted to ask him about two numbers on it.
13		I do have paper copies, if it's useful for
14	the w	itness to look at it. And I have copies for others
15	if they	would like to see it as well.
16		JUDGE PEARSON: Just go ahead. That's fine.
17		MR. TAYLOR: I'll take a paper copy. It
18	might	be quicker.
19		MS. GAFKEN: Okay.
20		MR. TAYLOR: I have it here now.
21	BY M	S. GAFKEN:
22	Q.	Okay. In your work papers, you show the cost of
23	Mains	s attributed to various types and sizes of mains
24	unde	r a tab called "Mains costs"; correct?
25	A.	Correct.

John Taylor by Ms. Gafken

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Q. I don't know if you need to check this -- or accept it subject to check, but I'm happy to have that be a condition of this.

But would you accept that your work paper shows the amount of Mains Plant allocated direct to Boeing is \$4,893,490?

A. That's the -- I wouldn't depict -- I wouldn't say that was allocated to Boeing. That's the result of the special study that is utilizing, as you can see in the column, 2018 dollars. So just to spend a minute here.

MR. PEPPLER: I'm sorry. Can I interrupt for a second?

I believe this is a confidential work paper.

I just wanted to --

CHAIRMAN DANNER: Whether it's confidential or not, I'm just trying to figure out if we should be having a conversation on it.

JUDGE PEARSON: Ms. Gafken, if you intend to rely on this in your brief in any way, we will need it offered and entered into the record, so -- and if it is confidential, then can we check that?

MS. GAFKEN: Okay. I will definitely check that. I did not think it was confidential.

So my apologies. I did not mean to disclose

	John Taylor by Ms. Gafken
1	anything that shouldn't have been disclosed.
2	MR. TAYLOR: I might be able to help,
3	though.
4	Do you want me to help for a second here to
5	describe what I did and where these numbers are derived
6	from?
7	BY MS. GAFKEN:
8	Q. Sure.
9	A. Okay. All right. So so the methodology that
LO	was used for the work paper that you're citing that you
L1	provided a copy for was to look at 2018 dollars. So
L2	everything has been adjusted for inflation using a
L3	Handy-Whitman index.
L4	So the dollars that you see in this work paper,
L5	because plants have been invested over the history of
L6	the asset, you know, you have an asset that was put in
L7	service in 1970. Well, to have a comparison that's
L8	relevant, you have to bring it all in the same dollar
L9	units and so we use 2018 dollars.
20	So the amount that is in this work paper that
21	shows that's direct to the special contract customer is
22	in 2018 dollars, whereas in the cost of service study
23	were where we're not adjusting plant for inflation, but using
24	the <u>emim</u> bedded cost of that plant.

25

So there's going to be a difference between the

	John Taylor by Ms. Gafken
1	total dollar seen in any cost of service work paper from
2	that and which is in the special study.
3	Q. Okay. Let's return to your direct testimony
4	Exhibit JDT-1T, page 12, line 17 through page 13,
5	line 3.
6	A. Okay. I'm there.
7	Q. The GIS study tracked all Mains utilized by the
8	special contracts from the customers' meters back to the
9	city gate; is that correct?
10	A. Correct.
11	Q. And some of these Mains were tracked from the
12	customers' meters back to the city gate are used by a
13	multitude of customers; is that correct?
14	A. Yes, some are.
15	Q. So some of these mains captured by the GIS study
16	are common use Mains that serve residential customers or
17	commercial customers or a variety of customers; correct?
18	A. Yeah. And that was accounted for in the study.
19	Q. But they are not used for the sole purpose of
20	serving special contract customers; correct?
21	A. Only a portion of the Mains were in the special
22	study direct assigned to the special contract facilities
23	based on the design day, peak usage of that portion of
24	Mains for the special contracts load.

Q. Would it be correct to say that the Mains

	Jon Piliaris by Ms. Gafken	
1	identified in the study are not wholly dedicated	
2	facilities but rather the study allocated a portion of	
3	these Mains to the special contract customer?	
4	A. Yes. It would be a portion. Yeah.	
5	Q. Thank you.	
6	MS. GAFKEN: I don't have any further	
7	questions for Mr. Taylor. I'll move on to Mr. Piliaris.	
8	CROSS-EXAMINATION	
9	BY MS. GAFKEN:	
10	Q. Good afternoon, Mr. Piliaris.	
11	A. Good afternoon, Ms. Gafken.	
12	Q. Are you familiar with the issues list prepared	
13	by the parties in this matter?	
14	A. Generally speaking.	
15	Q. I do want to refer to the one of the tabs in	
16	the issues list.	
17	I have a copy of the spreadsheets that are	
18	included in the issues list. I don't think that needs	
19	to be an exhibit. But if need be, we can pass those out	
20	too.	
21	So, generally speaking, for the electric and	
22	national gas cost of service study and rate spread tab	
23	of the issues list, the issues list generally shows the	
24	parties' cost of survey study results and proposal rate	

spreads; is that correct?

Jon Piliaris by Ms. Gafken

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A. It would be easier for me to confirm that if I had a copy of it in front of me.

Before me, I'm looking at a sheet that in the lower left corner states: "Gas cost of service and rate spread"; and the bottom right corner "page 1 of 2"; and at the top includes "line, gas, cost of service, parityedy ratios, PSE rebuttal" and on down the line.

Is this the correct sheet?

- Q. I think that is similar. I have some questions about the electric cost of service study and white rate spread.
 - A. I only have gas in front of me.

MS. BARNETT: I'll point out that this is not again -- again, not an exhibit and is not in the record. So I would like to make that clear. I don't think the issues list states expressly that it's not in the record.

So I'm curious as to the extent we're going to be questioning Mr. Piliaris on the issues list.

JUDGE PEARSON: I'm wondering if you can ask your questions without the issues list.

MS. GAFKEN: We might be able to ask the questions without referring to the issues list.

There's a concept that I -- that I'd like to have explained. And I'm fairly certain that

	Jon Piliaris by Ms. Gafken	
1	Mr. Piliaris will be helpful in that regard, so	
2	JUDGE PEARSON: Do you have a copy of it for	
3	him?	
4	MS. GAFKEN: I do have a copy of the issues	
5	list. Or well, that tab, the electric cost of	
6	service rates by tab that I can provide to him.	
7	MS. BARNETT: Is that the entire tab?	
8	MS. GAFKEN: No, it's just the the two	
9	parts. The effective rate spread and applied rate	
10	spread charts.	
11	MS. BARNETT: If I can approach and provide	
12	Mr. Piliaris the full tab, electronically, maybe that	
13	will be easier.	
14	THE COURT: That's fine.	
15	BY MS. GAFKEN:	
16	Q. For "rate spread" the issues list shows an	
17	effective rate spread and applied rate spread; correct?	
18	A. Yes.	
19	Q. The effective rate spread is intended to show	
20	each rate class I'm sorry, let me start that over	
21	again.	
22	The effective rate spread is intended to show	
23	each rate class' increase as a percentage of the system	
24	average percentage increase; correct?	
25	A The way I'd interpret the effective rate spread	

	Jon Piliaris by Ms. Gafken
1	is let me back up.
2	Normally, when a company does rate spreads,
3	traditionally, it performs that spread on base rates
4	only. And so that is what you see in the applied rate
5	spread, so that's why the numbers are generally very
6	round.
7	For example, for PSE rebuttal, you see
8	residential rate spread of a hundred percent, secondary
9	general service of a hundred percent and on down the
LO	line.
L1	The my interpretation of the effective rate
L2	spread is that it not only incorporates the spread in
L3	the applied rate spread of base rates, but it also
L4	incorporates the changes to the other riders that would
L5	be effected by the change in rate spread as a result of
L6	this case.
L7	So it incorporates probably more of a look from
L8	a bill impact perspective rather than just solely on
L9	base rates.
20	Q. Okay. Under the applied table, you mentioned
21	that's the table with the relatively rounder numbers.
22	If a rate class receives 100 percent allocation,
23	that does not mean that the rate class receives the

A. That's correct.

system average increase; correct?

24

Jon Piliaris by Ms. Gafken

Q. The 100 percent simply means that the class is receiving an equal percentage increase of the remaining dollar increase after the increases to those classes receiving greater or less than a hundred percent as allocated; correct?

A. And as well as certain other classes that don't actually receive an allocation, per se, but are more directly calculated. But, generally speaking, that's

Q. I'd like to walk through an example, if I could.

Looking at your Exhibit JAP-6. If you could turn to page 8 of JAP-6. And the electronic version that's the page found in tab -- Exhibit JAP, dash, rate spread.

JUDGE PEARSON: Ms. Gafken, could I just interrupt you for one moment. We don't have the paper exhibit, so we would like to take a short recess.

MS. GAFKEN: I can also --

Do you have the electronic exhibit?

JUDGE PEARSON: I do. The Commissioners do

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correct.

MS. GAFKEN: Oh, okay. In that case --

THE COURT: We'll take a short recess.

MS. GAFKEN: -- I'll stop. Yeah.

THE COURT: Thank you.

	Jon Piliaris by Ms. Gafken	
1	(A	recess was taken from 2:00 p.m. to 2:03 p.m.)
2		THE COURT: We'll go back on the record and
3	proce	eed.
4	BY M	IS. GAFKEN:
5	Q.	Mr. Piliaris, if you could please refer to
6	page	8 of Exhibit JAP-6, which presents your rate spread
7	summary.	
8	A.	I'm there.
9	Q.	Column F, row 1, shows a proposed revenue
10	increase of 7.68 percent for the residential class;	
11	corre	ect?
12	A.	Proposed revenue increase; correct.
13	Q.	And PSE's proposed system-wide increase is 143
14	millio	on or a system-wide increase of 7.16 percent;
15	corre	ect?
16	A.	Correct.
17	Q.	If we divide your residential 6.8 [verbatim]
18	perc	ent increase by the overall system increase of 7.16,
19	we g	et 107.3 percent of the system average percent
20	incre	ease; is that correct? Subject to check.
21	A.	Subject to check.
22	Q.	If you refer to the issues list, the effective
23	table	rate spread table shows 107 107.3 percent
24	for the residential class; correct? The effective	
25	table) <u>.</u>

A. Correct.

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- Q. Now I would like to focus on the idea of applied rate spread.
- Turning back to your Exhibit JAP-6 on page 8, column E at row 1, the residential class is listed at 100 percent; correct?
- 7 A. Correct.
 - Q. I know you provided an explanation earlier, but isn't that amount still applied to the \$143 million increase?
 - In other words, what does that 100 percent mean?

 How is that 100 percent used to develop the 7.6 percent increase in column F?
 - A. I believe it's what you had -- I think it was you that described this earlier.
 - Once the -- the rate groups that have their -either ones that already have explicitly calculated
 rates or get greater or less than the average increase,
 the remaining classes that have 100 percent essentially
 get the average of the remainder.
 - So it's somewhat of a complicated calculation to explain, but it's essentially a goal-seeking calculation; that it iterates on itself.
- So that those that are getting an -quote/unquote, a hundred percent of the average increase

	Jon Piliaris by Ms. Gafken
1	are getting consistent increase amongst themselves. And
2	it's proportional, essentially. It preserves some
3	proportionality between those that are 75 percentage of
4	the average, 125 percent of the average, or the average.
5	Q. So the 100 percent, again, it's not 100 percent
6	of the system average, but it's 100 percent of what's
7	left over.
8	A. Essentially, yes.
9	Q. And just so I'm sure that we're clear that I
10	think I understand this.
11	The residential class under your proposal would
12	not receive 100 percent of the overall percentage
13	increase but rather a 107.3 percent of the overall
14	percentage increase; is that correct?
15	A. I believe that's what the this particular
16	analysis shows.
17	MS. GAFKEN: That is all of my very painful
18	cross. Thank you.
19	JUDGE PEARSON: Ms. Barnett, did you have
20	any redirect?
21	MS. BARNETT: No, Your Honor.
22	JUDGE PEARSON: And, Mr. Boehm, this is the
23	cross that you waived; is that correct?
24	MR. BOEHM: That's correct, Your Honor.
25	JUDGE PEARSON: Is there any questions?

	Jon Piliaris by Mr. Roberson	
1	Oh, staff has a few. That's right. Sorry.	
2	I promptly forgot what you told me,	
3	Mr. Roberson.	
4	MR. ROBERSON: It was off the record. It	
5	never happened.	
6	CROSS-EXAMINATION	
7	BY MR. ROBERSON:	
8	Q. Good afternoon, Mr. Piliaris. How are you?	
9	A. Good afternoon.	
10	Q. Does your binder of doom have your rebuttal	
11	testimony?	
12	A. It does.	
13	Q. Could you turn to it? It is Exhibit JAP-18T.	
14	A. I'm there.	
15	Q. Page 18. I just have a few questions about the	
16	conjunctive demand pilot.	
17	I guess, initially, does PSE consider this as a	
18	pilot or a temporary offering?	
19	A. I would consider it a pilot with the the	
20	intention of making it permanent and perhaps also	
21	expanding it.	
22	Q. Okay. So on lines 12 through 16, you note that	
23	the pilot isn't readily susceptible to the concept of	
24	internal validity; correct?	
25	A. I note the term "internal validity." I cannot	

	Jon Piliaris by Mr. Roberson
1	claim with certainty that I fully understand how it was
2	intended to be used by staff.
3	My interpretation of the term "internal
4	validity" was in the context of applying some pricing
5	schedule to to broader groups of customers
6	particularly residential-type customers.
7	And the my recollection was that the
8	attention behind that statement was that if you're going
9	to apply it, it works well for many different customers
LO	within that group. And that was the way I was
L1	interpreting the internal validity.
L2	Q. On a more general level, I guess a definition of
L3	internal validity is the strength of a correlation
L 4	between a cause and effect; right?
L5	A. I'm not sure that I would necessarily
L6	interpret I didn't interpret it that way.
L7	Q. Okay. On lines 14 through 16, you seem to
L8	indicate that customer-specific factors may prevent the
L9	extrapolation of principles to other customers; correct?
20	A. Yes. Correct.
21	Q. As I understand a pilot, a pilot is a program
22	intended to measure whether or not to roll out a program
23	to a broader customer base; correct?
24	A. Not necessarily.

Q. How do you use the term "pilot"?

Jon Piliaris by Mr. Roberson

A. Well, my interpretation of pilot is it is a
learning exercise. It can the pilot will ask many
different questions. And one question may be that
whether or not it could be applicable to more customers,
maybe that it's only dedicated to a specific group of
customers.

Just, is it working the way you intended it to work?

In which case you have an opportunity to gain some learnings and, perhaps, adjust the offering so that it more -- it works the way it was intended.

Q. Would you say that's not what you're intending with this pilot?

I understand your testimony in lines 14 through
16 as saying you are not going to be able to decide
whether or not to rule it out based on what happens with
these customers, because you can't extrapolate the data
from them?

- A. No, that wasn't the intent of that particular --
- Q. Could you explain what you meant then?
- A. The -- the context from this general area of my testimony was that staff offered many interesting and sometimes helpful suggestions in how to go about developing a pilot.

And the general point was not all of the various

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	Birud Jhaveri by Commissioner Balasbas
1	factors that were raised are applicable in every
2	situation or for every pilot.
3	And my interpretation of this internal validity,
4	I was making the point that I didn't think, at least the
5	way I understood that term to be used, didn't seem to be
6	as apropos for this particular pilot necessarily.
7	Q. Fair enough. That's all the questions I have.
8	Thank you.
9	JUDGE PEARSON: Thank you. Any redirect?
10	MS. BARNETT: No, Judge Pearson.
11	JUDGE PEARSON: Okay. Thank you.
12	So other questions from the bench for
13	Mr. Piliaris?
14	And I will say that there's no other parties
15	that have cross for him. So if you have questions, we
16	could ask him outside of recalling him later.
17	COMMISSIONER BALASBAS: All right. So this
18	question is for Mr. Jhaveri.
19	Good afternoon. Mr. Jhaveri.
20	MR. JHAVERI: Good afternoon.
21	COMMISSIONER BALASBAS: In your Exhibit
22	BDBJ-6 in your testimony, that is a comparison table of
23	various parity ratios from different methods proposed in
24	the case both PSE's proposed as well as the current
25	method and some of the other parties' methods.

iviy question for you is if the Commission
were to not accept PSE's proposed method here in this
case, given other things with cost of service rulemaking
and other factors, would the company accept the current
25 percent/75 percent allocation?

MR. JHAVERI: The short answer is "yes."

And the -- the reason the answer is "yes" is because in my rebuttal testimony, I also noted that there were -- there were other rulemakings that we're looking into changing the cost of service methodology that is currently being utilized, and it may be beneficial for us to hold the course steady until we have a better idea of where these new methodologies will take us in terms of calculation for cost of service.

COMMISSIONER BALASBAS: Thank you.

My next question for you relates to the incorporation of carbon prices in the Ppeak credit methodology.

MR. JHAVERI: Yes.

COMMISSIONER BALASBAS: And in the company's proposal you include the social cost of carbon rather than previous projected emissions costs from the 2017 general rate case; is that correct?

MR. JHAVERI: That is correct.

COMMISSIONER BALASBAS: Do you recall,

Birud Jhaveri by Commissioner Balasbas 1 roughly, what the emissions cost numbers were used in 2 the 2017 general rate case? 3 MR. JHAVERI: Off the top of my head, I do 4 not recall. But I do understand that they were -- I do 5 recall that they were far lower than what the social 6 cost of carbon is -- is mandated to be going forward. 7 COMMISSIONER BALASBAS: Okay. You mentioned 8 one of the reasons for incorporating the social cost of carbon in this case today is that it was legislatively 10 mandated. 11 Could you explain, or do you have a specific 12 reference to the statute that requires the use of social 13 cost of carbon that would require its use here in cost 14 of service study? 15 MR. JHAVERI: Yes. Give me just a second. 16 So I'm not sure if this is part of the 17 record. It was submitted as a data request. It was --18 it's part of the -- I believe this is part of the 19 statutory language from the Senate Bill 5116. 20 Section 14 subsection (3)(a) states that "An electric 21 utility shall consider the social cost of greenhouse gas 22 emissions as determined by the Commission for 23 investor-owned utilities pursuant to Section 15 of this

Act and, the department for consumer-owned utilities,

w"When developing integrated resource plans

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	Birud Jhaveri by Commissioner Balasbas
1	and clean energy action plans.", "Aan electric utility must
2	incorporate the social cost of greenhouse gas emissions
3	as a cost addert or when evaluating and selecting
4	conservation policy programs and targets to developing
5	integrated resource plans and clean energy action
6	plans."
7	COMMISSIONER BALASBAS: Thank you. I'm
8	aware of that statutory reference.
9	Again, I would reiterate my question and
10	say, in that language, where does it require that it was
11	used to cure the cost of service study?
12	MR. JHAVERI: So the language itself does
13	not necessarily point out that it needs to be used in a
14	cost of service study.
15	What it does state is that it should be
16	utilized when developing your integrated resource plans
17	and clean energy action plans.
18	The Ppeak credit model utilizes numerous data
19	pointspoint from the integrated resourcecourse plan. Going forward,
20	as the integrated resource plan is mandated to use the
21	social cost of carbon, it would only make sense that
22	as currently, at least in the 2017 GRC, I believe,
23	there was a placeholder used for the social for the
24	cost of carbon. It was an estimated cost. Now that we
25	know what the known and required costs are, those costs

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	Jon Piliaris by Commissioner Rendahl
1	were just replaced by those.
2	JUDGE PEARSON: Thank you.
3	COMMISSIONER RENDAHL: So, Mr. Piliaris, I
4	have a question for you about the conjunctivea demand
5	pilot. Back to that topic.
6	So your initial testimony, JAP-1T, on
7	page 37, starting you say you have little
8	information I'm looking for the line number here.
9	On line 20. Let me just ask this question.
LO	This is about the issue of recovering revenue losses,
L1	potential revenue losses from this pilot. And you had
L2	stated that you would wait to recover lost revenue until
L3	the next rate case. Is that is that a correct
L4	summary of your testimony?
L5	MR. PILIARIS: Generally, I would say that
L6	that determination has not yet been made. I think we
L7	need to determine whether it's material or not before
L8	going down that path.
L9	So the only point in my testimony was that
20	we will revisit that issue later once we have a better
21	understanding if there really is a significant revenue
22	loss.
23	COMMISSIONER RENDAHL: So the plan is to
24	track, as this pilot goes along, to see what that
25	revenue loss looks like?-

Jon Piliaris by Commissioner Rendahl

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MR. PILIARIS: And that's actually a fundamental piece of the pilot itself in its evaluation.

I know elsewhere in my testimony that that's actually -- one of the criteria of whether or not the pilot is successful, is that whether or not customers are achieving any bill savings as a result of the pilot.

COMMISSIONER RENDAHL: So if the program is successful and the company -- or the customers that are taking part in the pilot do save money, if that results in not recovering revenue from those customers that otherwise would have been recovered, and that would result in those schedules under-collecting their allocated share of revenue requirement; correct?

MR. PILIARIS: Yes, that's correct.

COMMISSIONER RENDAHL: So as a part of your evaluation of the pilot, would PSE commit to documenting the calculation of those lost revenues and assigning those to the participating schedules in a future rate case? Do you have a way to recover those costs?

MR. PILIARIS: Absolutely. I mean the point is, is that there's a certain amount of cost -- as the Commission knows, there's a certain amount of costs that are allocated to each schedule and then you design rates to recover that revenue.

And then if you were changing the way you're

Jon Piliaris by Commissioner Rendahl
designing rates to recover revenue from that schedule
and if you have a pilot, for example, that reduces
revenue collection, then the rest should be recovered
from the remainder within that class of customers.

COMMISSIONER RENDAHL: Okay. And then in terms of the evaluation of the pilot. This is -- I think going to somewhat of the area that staff was discussing. If you go to your rebuttal testimony, JAP-18T, and look at page 11 through 19 where this is discussed.

You're responding to Staff's design and evaluation elements. Specifically on page 14, you're talking about Staff's design and evaluation of elements that provide useful guidance.

If -- if the Commission were to approve the pilot in this docket, are there any specific design in evaluation elements that can be applied in the evaluation report, or is that something you would like the Commission to direct, or is that something you would like the company to determine on its own?

MR. PILIARIS: In a perfect world, it would probably be somewhere in between. The Company would likely have some ideas, but if the Commission has things that it specifically would like to be examined, the Company would very much appreciate knowing that so that

	Jon Piliaris by Chairman Danner
1	it can provide an evaluation that is a value to the
2	Commission.
3	COMMISSIONER RENDAHL: Thank you.
4	CHAIRMAN DANNER: Are we calling
5	Mr. Piliaris back?
6	JUDGE PEARSON: It's up to you.
7	CHAIRMAN DANNER: Well, I have a question
8	for you regarding your on-bill repayment.
9	So, Mr. Piliaris, Northwest Energy Coalition
10	recommends the Commission to direct the company to
11	design and develop an on-bill repayment program.
12	And in their testimony Ms. Gerlitz says that
13	they recommend PSE design and implement an on-bill
14	repayment program by December 31st, 2020.
15	If the Commission were to direct Puget to
16	design and implement such a program, is that date a
17	feasible timeline for such an effort? And if not, what
18	kind of timeline do you think would be reasonable?
19	MR. PILIARIS: As I noted in my testimony,
20	if the Commission were to direct the Company to pursue
21	such a program, I think it would be helpful to
22	incorporate the the advice and suggestions of the
23	"CRAG" as they would be knowledgeable and directly
24	impacted by the program.
25	As the Commission is aware, that might take

	Jon H	riliaris	by C	hairm	an D	anner
som	e time					

And as I noted in my testimony, there's going to need to be a fair amount of IT and process development based on whatever is ultimately decided.

So I think it would be aggressive to -- to assume that we could get -- with all of that to gain meaningful stakeholder input and have enough time to actually implement the program by the end of the year; that might be an aggressive schedule.

So the Company has laid out a year -- one-year schedule as a -- as a reasonable timeline.

CHAIRMAN DANNER: So December 31st of 2020 this year is -- you see that as too aggressive, but a couple months later is okay.

MR. PILIARIS: It could be done. But I think what would end up happening is that we would likely need to -- the -- I think the stakeholder input would suffer as a result of that to allow enough time for implementation.

CHAIRMAN DANNER: So another timeline we had, though, Staff, in their cross-answering testimony suggested that we -- that you have an alternative proposal just for the Commission to -- to study the cost effectiveness of the program.

And they recommend a brief report of the

	Jon Piliaris by Chairman Danner
1	program within three months of the effected date of the
2	final order in this case. Is that enough time?
3	MR. PILIARIS: Just to make sure I heard you
4	correctly. The three months was to evaluate,
5	essentially, the cost and benefits of pursuing that
6	program not actually implementing?
7	CHAIRMAN DANNER: That's right. It's
8	four as I understand the Staff's report, their
9	recommendation is that the company provide a brief
10	report of the program within three months of the
11	effective date of the final order.
12	So if we were to do that, my question to you
13	is would that be sufficient time? And if not, what kind
14	of timeline would you prefer or suggest?
15	MR. PILIARIS: Again, I think three months.
16	As I think the Commission can appreciate
17	with everythinganything that's going on getting on everyanybody's
18	calendar within a three-month time frame can be somewhat
19	challenging with everything that's going on.
20	I would respectfully submit that maybe
21	six months might be a safer timeline to allow, again,
22	meaningful input and a time for the analysis to actually
23	occur.
24	CHAIRMAN DANNER: Okay. Those are my
25	questions. Thank you.

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1	JUDGE PEARSON: So you are all excused.
2	Thank you very much.
3	And at this time we'll assemble the IT
4	investment panel, which is PSE witnesses Jacobs, Free,
5	Wappler, Koch, and Hopkins.
6	MR. PEPPLE: Judge Pearson, just a quick
7	procedural issue while the panel is gone.
8	I was wondering if it would be possible to
9	collect the work paper that Ms. Gafken handed around. I
10	believe there may be some confidential information in
11	there, and it would be appropriate to
12	JUDGE PEARSON: Okay. Sure. Thank you.
13	MS. CARSON: Judge Pearson?
14	JUDGE PEARSON: Yes.
15	MS. CARSON: We were wondering if Mr. Rábago
16	could be excused or is excused.
17	JUDGE PEARSON: Yes, that's fine.
18	MS. CARSON: Thank you very much.
19	JUDGE PEARSON: Okay. So will you all
20	please stand and raise your right hand. I'll swear you
21	in.
22	(Panel sworn)
23	JUDGE PEARSON: Okay. Please be seated.
24	So, Ms. Carson, if you would like sorry,
25	is it going to be Mr. Steele? Okay.

1	If you could introduce the witnesses please.
2	MR. STEELE: In the very front we've got
3	Margaret Hopkins, Joshua Jacobs, Susan Free, Cathy Koch,
4	and Andrew Wappler.
5	JUDGE PEARSON: Okay. Thank you.
6	So Public Counsel has indicated
7	cross-examination for Jacobs and Koch.
8	So, Ms. Gafken, would you like to ask those
9	questions now or would you like to cross-examine them
10	individually later?
11	MS. GAFKEN: So we can ask those questions
12	now.
13	Ms. Paisner will ask the questions for
14	Ms. Koch, and then I will ask the questions for
15	Mr. Jacobs.
16	JUDGE PEARSON: Okay. So before we do that,
17	Staff, I have the same question for you with respect to
18	Ms. Free.
19	MS. ROBERSON: I can ask Ms. Free my
20	questions now if you'd prefer.
21	JUDGE PEARSON: Okay. And then Mr. Pepple,
22	same for you? Mr. Coleman?
23	MR. COLEMAN: Your Honor, I think I'm able
24	to waive my cross of Ms. Hopkins.
25	JUDGE PEARSON: Waive. Okay.

	Cathy Koch by Ms. Paisner
1	So then
2	MR. PEPPLE: I did have question for
3	Ms. Free. I'm happy to ask those during the panel.
4	JUDGE PEARSON: Okay. That sounds good.
5	Thank you.
6	Ms. Paisner, whenever you're ready.
7	CROSS-EXAMINATION
8	BY MS. PAISNER:
9	Q. This is Ann Paisner on behalf of Public Counsel.
10	Good afternoon, Ms. Koch.
11	A. Good afternoon.
12	Q. Do you have a copy of your rebuttal testimony
13	which is PSE Exhibit CAK-6TR?
14	A. Yes. Just a sec.
15	Q. Just to clarify while I may ask questions that
16	relate to confidential information some of the
17	cross-exhibits.
18	My questions will not disclose any confidential
19	information and should not require you to discuss it.
20	A. I will try not to as well.
21	Q. Okay. Do you have a copy of PSE Exhibit CAK-4
22	at page 1?
23	A. Exhibit CAK-4, which is. Okay. That's my
24	direct testimony. Correct. Yes.
25	Q. On page 1 you discuss PSE's advanced metering

Cathy Koch by Ms. Paisner

- infrastructure project which began in 2016; correct?
- 2 A. Yes.
- Q. You discuss how 2016 was the year in which
- 4 | installation of the AMI network began.
- 5 A. Yes.
- 6 Q. But 2018 is the year in which installation of
- 7 | new AMI meters and gas modules began; is that correct?
- 8 A. Yes.
- 9 Q. On line 12, same page, you state that full
- 10 deployment of the AMI network and electric meters and
- gas modules will be completed in 2022 to 2023; is that
- 12 | correct?
- 13 A. Yes.
- 14 Q. Please turn now to your rebuttal testimony,
- which -- on page 4, beginning on line 6.
- 16 A. Is this Exhibit CAK-6<u>T</u>0?
- 17 Q. It is.
- 18 A. Page 6.
- 19 Q. Page 4, line 6, please.
- 20 A. Page 4, line 6.
- 21 Q. This is where you describe obsolescence of AMR
- 22 as PSE's primary reason for its decision to transition
- 23 to advance metering infrastructure or AMI.
- A. Yes, that I addressed the obsolescence of AMR
- being the driver for changing.

- Q. In the second bullet item on that page at line 15 you describe PSE's inability to obtain new electric replacement equipment as they have been discontinued; is that correct?
- A. Yes, I talk about that.
- Q. Please turn now to cross Exhibit CAK-8X. This is your response to Public Counsel data request 256.
- 8 A. Okay.

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- Q. In this data request you were asked to provide
 documentation regarding the types of AMR electric
 equipment that had been discontinued.
 - A. Yes. The question was around the electric meter equipment, yes.
 - Q. Attachment A of this exhibit states that a window of time in which to purchase the Series 4 communication technology modules associated with equipment item fFocus AXS4 was open through December 1st, 2019; is that correct?
 - A. Yes.
- Q. This attachment states that Landis+Gyr would continue to provide support for the Series 4 endpoints as of the date of the document; is that correct?
- 23 A. Yes.
- Q. And the date listed at the bottom of this document is May 29th, 2019; is that the date of this

Cathy Koch by Ms. Paisner

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A. That's the date of this document.

And just to be clear, this is a final notice

from Landis+Gyr on the sale of that product.

Q. Okay. Thank you.

Please turn to Attachment B of this exhibit,

7 please.

This attachment states that Landis+Gyr would no longer be producing new Focus AL one-way endpoints beyond January 18, 2019; is that correct?

- A. Yes, that's what it says.
- Q. And this attachment also states that Landis+Gyr will work on a customized plan to support maintenance and growth operations for each customer; yes?
- 15 A. (Nods head).
 - Q. Similarly, for this document, the date printed at the bottom is February 14, 2019.

18 Is that the date of this document?

- A. Yes.
- Q. Please turn to Attachment C of -- of the same document.

This attachment states: "A last-time-to-buy opportunity for 4,000 units of the Focus AX USC product expiring on December 1st, 2019; correct?

A. Mm-hmm.

- Q. This attachment states that Landis+Gyr will
- 2 continue to offer field support for units. And at the
- 3 | bottom, September 6th, 2019, is the date of this
- 4 | document; correct?
- 5 A. Yes.
- 6 Q. So, lastly, please turn to Attachment E, same
- ⁷ document.
- 8 A. Okay.
- 9 Q. This attachment announces a last time to buy
- window for Series 4KV 2C communications modules expiring
- on March 31st, 2020; is that correct?
- 12 A. Yes, that's --
- 13 Q. And the date --
- 14 A. -- of this notice.
- Q. Right. And the date at the bottom of this
- announcement is stated as January 6, 2020?
- 17 | A. Yes.
- 18 Q. So all these expiration dates, January 2019,
- 19 December 2019, and March of 2020 are after 2018 which is
- the year in which you began to replace the AMR equipment
- 21 with AMI?
- A. Yes. These are the ones that you chose butecause
- there's a couple other attachments there that have dates
- prior to that, as well as there's -- this is just
- ²⁵ relative to electric meters.

	Cathy Koch by Ms. Paisner	
1	And so we have a network and a gas system as	
2	well with this discontinued equipment.	
3	Q. Okay. Thank you.	
4	Now, going back to page 13 of PSE Exhibit CAK-4.	
5	A. Page 14 okay. Page 13, CAK-4.	
6	Q. I apologize, that's page 1, line I	
7	apologize. Page	
8	A. CAK?	
9	Q. Page 2 of CAK-4. I apologize.	
10	A. This is going to get complicated.	
11	Q. Where you state that the total present value	
12	revenue requirement of the AMI project is \$258 million.	
13	A. Yes.	
14	Q. So and that's a portion of the entire project	
15	which was estimated to be 668 million over a	
16	20-year-life of the AMI asset?	
17	A. No. The project is estimated at 473 million.	
18	The benefits are 668 million.	
19	Q. Okay. Thank you.	
20	So now please turn to cross Exhibit CAK-9X.	
21	This is your Public Counsel data request 257.	
22	COMMISSIONER BALASBAS: I'm sorry, could I have	
23	that site again?	
24	MS. PAISNER: Cross Exhibit CAK-9X.	
25	COMMISSIONER BALASBAS: Thank you.	

	Cathy Koch by Ms. Paisner
1	THE WITNESS: CAK-9. This is 257.
2	BY MS. GAFKEN:
3	Q. Yes. This data request refers to your rebuttal
4	testimony page 4, line 19, where you characterize the
5	AMR obsolescence by describing PSE's need to perform
6	reprogramming of devices because different network
7	equipment must be installed.
8	You discuss how in 2017, which you describe is
9	the last full year before AMI meters, gas modules, are
10	installed, there were a total of 139 AMR devices that
11	were reprogrammed; is that correct?
12	A. Yeah, that was responsive to the question.
13	Q. Right.
14	And you explain here that the total cost for
15	that reprogramming for all of 2017 was \$139,000; is that
16	correct?
17	A. That's what the response says.
18	Q. Okay. So please turn to PSE Exhibit CAK-4 at
19	page 4. Starting at line 13.
20	A. CAK-4. Page
21	Q 4, line 13.
22	Is it true that in the 2013 analysis discussed
23	here, PSE discovered that the AMR electric meters were
24	failing at a rate of 1.6 percent per year?
25	A. Yes. The response goes on to talk about what

	Cathy Koch by Ms. Paisner
1	was going on with the gas AMR batteries and modules as
2	well as both residential and commercial as well as the
3	failure rates of the network, so
4	Q. Right.
5	In that same spot, I believe you discuss that
6	the AMR network equipment was failing at 4 percent; is
7	that correct?
8	A. Yes.
9	Q. And going on to page 5 you discuss how
10	commercial gas modules were failing at 11 percent per
11	year; correct?
12	A. Yes.
13	Q. And then for all gas modules the failure rate
14	was four times 0.5.
15	So was that 2 percent for all gas modules; is
16	that correct?
17	A. Yes. It looks like it is closer to 2.6. I
18	think if you if you refer to the business case, which
19	is Appendix A of that. It defines that a bit more and
20	it talks about potentially as high as 20 percent.
21	Q. Okay. Now, please turn to cross Exhibit
22	CAK-10X. This is your response to Public Counsel data
23	request 261.
24	This data request refers to your rebuttal
25	testimony at pages 5 to 6 at the bottom of page 5 where

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you state that because the AMR network is failing and
deficient it requires 50- to 60,000 meters to be
manually read monthly, which is an additional monthly
expense that would not be required for a properly
functioning system.

- A. Yeah. The 50- to 60,000 was a historical average of what PSE had experienced in the past.
- Q. Okay. And you also state in the last paragraph of your response in this document that PSE would have paid the same to Landis+Gyr whether they provided an automated read or a manual read; is that correct?
- A. That's what it says, but I think I need to explain it a bit as well.

So I think the question was -- let me go back.

Confirm the cost of this. And at the time of the business case, that was prior to 2016, Landis+Gyr owned all the equipment, managed the system for us.

So Landis+Gyr was obligated to provide appropriate adequate reads irrespective of whether it came through digital or whether it came through manual. It was their system. They managed it.

After 2016, as we moved through contract negotiations, PSE, in the business case and the testimony talks about this, PSE took ownership of that equipment after that time; therefore, the manual meter

	Cathy Koch by Ms. Paisner
1	reading would have cost more if PSE wasn't performing
2	maintenance obligation.
3	Therefore, for example, not repairing things
4	timely; not taking care of their system. And so those
5	costs are different than what was experienced prior to
6	2016 where it was kind of agnostic from a cost
7	standpoint.
8	Q. Okay. You also explain in this document that
9	the manual meter reads were not accounted for in the
LO	benefit represented by the \$230 million of avoided AMR
L1	investment that were discussed here?
L2	A. Yes, because for the reasons I cited prior to
L3	Landis+Gyr owned it.
L 4	Q. Now, please turn to cross Exhibit CAK-11XC. And
L5	this also to my questions will also relate to
L6	CAK-13X. Both are cross-exhibits.
L7	A. Is this 265?
L8	Q. Yes, 265 and 269 respectively. And again, my
L9	question will not state any confidential information
20	here.
21	In this exhibit you discuss net book value of
22	AMR assets for years 2019 through 2023; is that correct?
23	A. Yes.
24	Q. Are any of these AMR assets for each of the

years shown still in use by customers?

		Cathy Koch by Ms. Paisner
1	A.	Are any of the assets in
2	Q.	Represented by those values.
3	A.	Well, this is forward-looking. So today, yes,
4	they	are.
5	Q.	In those years will they be in use?
6	A.	Well, this is 2023 is when we are completed
7	with	our AMI transition. And so all AMR assets will be
8	retire	ed.
9	Q.	So those values at least for 2023 represent
10	asse	ts that are not in use; is that correct?
11	A.	Correct. No AMR will be in use after we
12	comp	olete our transition.
13	Q.	Okay. Is the net book value of these assets as
14	shov	vn in this exhibit still in rates now?
15	A.	I'm part ofer this response is with my
16	witne	ess/partner Susan Free, so as it relates to rates, I
17	woul	d like to get a better answer.
18		MS. FREE: I'm happy to answer that
19	ques	tion, if that's okay.
20		JUDGE PEARSON: Sure.
21		MS. FREE: Can you repeat the question
22	actua	ally?
23		CROSS-EXAMINATION
24	BY M	IS. PAISNER:
25	Q.	Sure. Is the net book value of the assets that

	Susan Free by Ms. Paisner
1	are referenced in this exhibit, is the net book value of
2	these assets still <u>in</u> rates now?
3	A. Yes. The net book value as of December 31,
4	2018, is is still in the rate case, yes.
5	Q. Is it still in rates going forward?
6	A. Yes. As long as they are used and useful, they
7	will be in rates.
8	And at the point that they reach the end of the
9	rollout period and there's still net book value left, at
10	that point we will be asking for a regulatory asset
11	treatment.
12	Q. Is PSE requesting to collect carrying charges on
13	removed AMR assets in rates including return on?
14	A. The we anticipate that the assets as they are
15	in use will stay in rate base, which would earn a
16	return. And that the regulatory asset we will be
17	requesting also be in rate base, which will earn a rate
18	of return.
19	Q. Okay. And these carrying charges are associated
20	with the removed assets that would not be in serve service going
21	forward.
22	A. Yes. This is similar to treatment we've had on

other regulatory assets where a plant has been removed

from service before the depreciation life has been fully

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recovered.

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	Susan Free and Ms. Koch by Ms. Paisner
1	Q. Okay. Thank you.
2	How long were the value of those AMR assets
3	still be in rates that the customers will pay? You may
4	have answered that.
5	A. That would be dealt with when the regulatory
6	asset is requested. So regulatory assets can be
7	recovered over it doesn't have to be a set life; it
8	can be determined at the time of the request.
9	CROSS-EXAMINATION
10	BY MS. PAISNER
11	Q. Okay. These the AMR assets removed, as of
12	today and also going forward, were or will any of these
13	assets be still functional when they are removed?
14	A. Well, I think the bulk of them might not be,
15	because the system's failing. So there's likely some
16	that would still be providing an automated read.
17	But due to the need to transition in an
18	appropriate time and prevent more failure from impacting
19	customers, some likely will be.
20	Q. Okay. Now, please turn to cross Exhibit
21	CAK-12X. This is your response to Public Counsel data
22	request 267.
23	A. Okay.
24	Q. In this exhibit, you discuss how PSE was limited
25	in terms of equipment choices in that other

	Ms. Koch by Ms. Paisner
1	manufacturers' equipment was incompatible with the AMR
2	system; is that correct?
3	A. Mm-hmm.
4	Q. You explain on the second page that considering
5	other options that were not compatible would have
6	required replacement of the L+G communication equipment
7	and system; is that correct?
8	A. Yes.
9	Q. Is it true that not considering those other
10	incompatible options gave PSE the ability to do a less
11	extensive transition than it would otherwise have to do
12	if it had used other manufacturers' equipment?
13	A. Can you restate the question?
14	Q. Sure.
15	Not considering those other incompatible
16	options, is it true that this gave PSE the ability to do
17	a less extensive transition replacement of the AMR, less
18	extensive?
19	A. By going to AMI?
20	Q. By avoiding other incompatible manufacturers'
21	equipment? Other manufacturers' incompatible equipment.
22	MR. STEELE: I'm going to object to this
23	line. I think counsel is misstating Ms. Koch's
24	testimony here. I'm not sure she ever stated that.

JUDGE PEARSON: Ms. Paisner, can you point

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	Ms. Koch by Ms. Paisner
1	to where that is in her testimony?
2	MS. PAISNERGAFKEN: Sure. This is in Exhibit
3	CAK-12X, on the second page. Ms. Koch discusses that
4	PSE would need to replace the L+G communication
5	equipment system with regard to if they were to
6	consider solutions that were not compatible with the
7	current AMR system.
8	And so my questioning was designed to
9	clarify that.
LO	MS. KOCH: So because the I don't know
L1	that I understand your question the way it was phrased,
L2	in all honesty.
L3	But what this is trying to say is PSE's
L4	existing system, which dates back to 1998, is a
L5	proprietary system from Landis+Gyr and it is not
L6	compatible with anybody else's system, which is what is
L7	posing concerns with it failing.
L8	So given that it's not compatible, a
L9	wholesale change must be made. The idea of replacing it
20	wholesale with another vender's AMR system or an AMI
21	system would be equivalent.
22	BY MS. PAISNER:
23	Q. Okay. Thank you.
24	Please turn to page 2 of cross Exhibit CAK-14X,
25	which is Public Counsel data request 270. Your

response.

- A. 270?
- Q. 270. In your response you provide a table preparing costs of the AMI system versus those of continuing of the AMR system. And on the fifth row you provide a benefits value of \$436 million for the AMI versus zero dollars for the AMR.
 - Does this \$436 million amount refer to conservation voltage reduction or CVR?
- A. Yes. It's associated with conservation voltage reduction and the ability to implement distribution automation from a reliability standpoint using the AMI network.
- Q. Okay. So is it true that looking at the table, the cost of the AMI system would be closer to the cost amount listed for continuing with the AMR if that value was not subtracted from a cost calculation listed in the table?
- A. So in interpreting your question meaning is 473 closer to 378 off the table; is that what you are asking?
- Q. It looks in the table as though that \$436 million was subtracted from the other costs due to the minus sign in front of it.
- 25 A. It is.

IVIO. I LOCIT DY IVIO. I GIOTICI	Ms.	Koch	bν	Ms.	Paisner
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So let me just explain what this table is just so we understand.

So this -- this is a very simple table. It is not a full analysis. But what it was attempting to do is demonstrate that the benefits that are achieved with AMI far outweigh, continue to outweigh, continuing with an AMR system.

And, specifically, in this case, this comparison has gross assumptions that we could continue an AMR system. And given what we know today and lack of supply, that's not realistic.

But it was really just intended to continue to -- to address what I perceived Mr. Alvarez was trying to get to in his questions around book value. But to continue to demonstrate that the benefits of getting to AMI are very sound.

- Q. Okay. Is it true that PSE's AMI deployment installs approximately 1,000 meter units per circuit?
 - A. Say that again.
- Q. Is it true that PSE's AMI system deployment would install approximately 1,000-meter units per circuit?
 - A. I think the numbers --
 - Q. You would have to check?
 - A. Yeah. I don't know. I think it's a higher

		Ms. Koch by Ms. Paisner
1	numb	per than that.
2	Q.	Did PSE assume a percentage reduction in energy
3	use f	rom CVR in its business case?
4	A.	We did.
5	Q.	And is it true that in the Mercer Island pilot a
6	simil	ar percentage was delivered with only 30 AMI meters
7	on 10	O circuits?
8	A.	No. Actually, the business case estimates are
9	much	higher than that. And they actually line up with
10	what	industry utilities are seeing.
11		And they were based on more than just the Mercer
12	Islan	d pilot. They were based on four or five
13	addit	ional pilots that were performed.
14	Q.	Okay. Do you know what a line sensor is?
15	A.	Yes.
16	Q.	Is it true that a line sensor functions to
17	meas	sure and report voltage?
18	A.	It can be used that way.
19	Q.	So does PSE's system use line sensors today?
20	A.	It has some.
21	Q.	Okay. Now, please turn to cross Exhibit CA
22	A.	Can I offer something, though, on that though?
23	Q.	Sure.
24	A.	I think the line of questioning I would like
25	to rer	mind that we're not there is a benefit to what

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Ms. Koch by Ms. Paisner 1 we gain with the AMI installation relative to being able 2 to implement conservation voltage reduction. But that's 3 not the only -- that's not why we're doing it. 4 We're doing it so we can have a reliable 5 metering system that ias a result of the fail -- the 6 failing system, which requires reliable, fully functioning 7 meters at every house. 8 Once that's achieved, you can continue to take advantage of that. So I just want to make sure that 10 that's -- it's clearly understood. 11 Q. Please turn to cross Exhibit CAK-15X, which is 12 your response to Public Counsel data request 274. 13 A. Yes. 14 Q. Your DR response at Item V discusses how PSE is 15 not willing to commit to reductions in a revenue 16 requirement for benefits from AMI investment associated 17 with remote disconnect and reconnect, because as you 18 state certain benefits are not quantifiable at this 19 time. 20 A. Yeah, I think that the -- the full answer 21 addresses the -- the issue that there's AMIAMR rulemaking 22 going on which may have influence on those benefits. 23 And it's hard to know how to quantify those at that time 24 and submit what that full benefit may be.

My partner, Josh Jacobs, who these benefits fall

		Ms. Koch by Ms. Paisner
1	unde	relative to Get To Zero could offer, if necessary.
2	Q.	I don't think that will be necessary.
3	A.	Okay.
4	Q.	Are reconnect and disconnect cost benefits
5	estin	nated in CAK-4, Attachment G?
6	A.	The AMI business case, which is yes, does
7	provi	de a preliminary estimate of those.
8		n the business case, it fully acknowledges that
9	those	evaluations need to continue but that the potential is
10	there	Those evaluations need to continue as it relates
11	to Ge	t To Zero.
12	Q.	Okay. Are reconnect and disconnect sorry
13	move	e-ins and move-outs avoided cost benefits, are those
13 14		e-ins and move-outs avoided cost benefits, are those estimated in the same attachment?
	also	
14	also A.	estimated in the same attachment?
14 15	A. Q.	estimated in the same attachment? There are you talking about the spreadsheet?
14 15 16	A. Q. A.	estimated in the same attachment? There are you talking about the spreadsheet? Yes.
14 15 16 17	A. Q. A. sprea	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the
14 15 16 17	A. Q. A. sprea	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the adsheet. The calculation captures the benefits.
14 15 16 17 18	A. Q. A. sprea	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the adsheet. The calculation captures the benefits. Okay. Thank you.
14 15 16 17 18 19	A. Q. A. sprea Q. maxi	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the adsheet. The calculation captures the benefits. Okay. Thank you. Do you believe PSE should be responsible for
14 15 16 17 18 19 20 21	A. Q. A. spread Q. maxi A.	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the adsheet. The calculation captures the benefits. Okay. Thank you. Do you believe PSE should be responsible for mizing smart meter benefits?
14 15 16 17 18 19 20 21	A. A. spread Q. maxi A. demo	There are you talking about the spreadsheet? Yes. Yes. The benefits are captured in the adsheet. The calculation captures the benefits. Okay. Thank you. Do you believe PSE should be responsible for mizing smart meter benefits? Absolutely. And I think what we're doing is

	Ms. Koch by Mr. Steele
1	MS PAISNER: Thank you. I don't have any
2	other questions.
3	JUDGE PEARSON: Thank you.
4	Is there anyone else have questions any
5	redirect?
6	MR. STEELE: Yes, Your Honor.
7	JUDGE PEARSON: Okay.
8	REDIRECT EXAMINATION
9	BY MR. STEELE:
10	Q. Ms. Koch, a few moments ago Ms. Paisner asked
11	you questions about the discontinuance documents you
12	received from Landis+Gyr which were attached to PSE's
13	response Public Counsel data request 256.
	response Public Counsel data request 256. A. Yes.
13	•
13	A. Yes.
13 14 15	A. Yes. Q. And can you describe the process for how the
13 14 15 16	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from
13 14 15 16	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr?
13 14 15 16 17	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr? A. So Landis+Gyr has been PSE's partner for over a
13 14 15 16 17	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr? A. So Landis+Gyr has been PSE's partner for over a decade and there's continual ongoing conversations with
13 14 15 16 17 18	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr? A. So Landis+Gyr has been PSE's partner for over a decade and there's continual ongoing conversations with them. PSE also attends their annual user group
13 14 15 16 17 18 19 20 21	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr? A. So Landis+Gyr has been PSE's partner for over a decade and there's continual ongoing conversations with them. PSE also attends their annual user group meetings. And through those there are many
13 14 15 16 17 18 19 20 21	A. Yes. Q. And can you describe the process for how the company receives a notice of discontinuance from Landis+Gyr? A. So Landis+Gyr has been PSE's partner for over a decade and there's continual ongoing conversations with them. PSE also attends their annual user group meetings. And through those there are many conversations around Landis+Gyr products and future

	Ms. Koch by Mr. Steele
1	to understand what the life of its products are.
2	Q. So to be clear, does the company ever know that
3	a discontinuance is coming before receiving a document
4	like Attachments A, B, C, and E to to PSE's response
5	to Public Counsel data request 256?
6	A. Absolutely. Through many users groups,
7	absolutely.
8	Q. And is that what occurred in this case for the
9	equipment identified in Attachments A, B, C, and E?
10	A. Yes.
11	Q. Did the Company know that discontinuance of the
12	equipment identified in Attachments A, B, C, and E would
13	occur in 2016 at the time of the AMI business case?
14	A. Did I know that they would occur in 2016?
15	Q. Did the Company know that discontinuance of the
16	equipment identified in Attachments A, B, C, and E would
17	occur at the time of the AMI business case?
18	A. Yes. Yes.
19	MR. STEELE: No further questions.
20	JUDGE PEARSON: Okay. Thank you.
21	And, Ms. Gafken, did you have questions for
22	Mr. Jacobs?
23	MS. GAFKEN: I do. Thank you.
24	CROSS-EXAMINATION
25	BY MS GAFKEN:

	1	Joshua Jacobs by Ms. Gafken
1	Q.	Good afternoon, Mr. Jacobs.
2	A.	Good afternoon.
3	Q.	Would you please turn to your rebuttal testimony
4	Exhil	oit JJJ-11T. If you could go to page 24, line 17
5	throu	ıgh 19.
6		MR. STEELE: Could you state that once more
7	for m	e?
8	l	MS. GAFKEN: Yes, of course. Exhibit
9	JJJ-1	1T, page 24 line 17 through 19.
10	l	MR. STEELE: Is that page 4?
11		MS. GAFKEN: Twenty-four.
12		MR. STEELE: Twenty-four, I'm sorry.
13	l	MR. JACOBS: I'm there.
14	BY M	IS. GAFKEN:
15	Q.	There you testify that PSE has invested in
16	17.5	million in the Get To Zero program between July 1st
17	and I	November 30th, 2019; is that correct?
18	Α.	That's correct.
19	Q.	And then on the following page, page 25.
20	Esse	ntially, the entire page lines 4 through 21 you
21	desc	ribe two projects; the energy assistance and meter
22	upgr	ade enhancements projects.
23		Did those two projects make up the entire
24	17.5	million described on page 24?
25	Α.	That's correct.

	Susan Free by Mr. Roberson
1	MS. GAFKEN: Thank you. I have no further
2	questions.
3	JUDGE PEARSON: Any redirect?
4	MR. STEELE: No, Your Honor. Thank you.
5	JUDGE PEARSON: Mr. Pepple? Or, I'm sorry,
6	Mr. Roberson, did you have questions of
7	CROSS-EXAMINATION
8	BY MR. ROBERSON:
9	Q. Good afternoon, Ms. Free. How are you?
10	A. I'm well, sir. How are you?
11	Q. Doing all right.
12	Do you have a copy of your rebuttal testimony?
13	A. I do.
14	Q. Which is SEF-17T.
15	A. Yes.
16	Q. I'm going to ask you some questions generally
17	about the 30s, if you want to turn there.
18	A. I thought you were asking if I was in my 30s,
19	which I am not.
20	Q. I would like to start on page 37 of your
21	testimony where you discuss the functionalization of
22	plant in terms of assigning a materiality threshold.
23	A. Yes.
24	Q. You state that that's a more appropriate way to
25	assign a threshold: correct?

	DOCKELI	105. OL-190329 and OG-190330 (Consolidated) - Vol. IV	2/0/202
		Susan Free by Mr. Roberson	
1	A.	Correct.	
2	Q.	Are you aware that the Commission has rejected	
3	that	method as ripe for abuse?	
4	A.	I am not.	
5	Q.	We'll move on then.	
6		Page 34 and 35 of your rebuttal testimony, you	
7	talk	about changes to the method for Seth's method	
8	for s	etting a threshold for a common plant; correct?	
9	A.	Yes.	
10	Q.	And this is just for my clarification.	
11		The way you recommend doing it, the size of the	
12	net p	plant for gas will always drive the threshold;	
13	corre	ect?	
14	A.	I I don't necessarily think that that's true.	
15	I thin	k it depends on the allocation factors that are	
16	used	to allocate	
17	Q.	Fair enough.	
18		Under the current allocation factors, it's	
19	alwa	ys going to be the gas rate base, correct?	
20	A.	In this example I've provided; that's right.	
21	Q.	Do those allocation factors change on a regular	
22	basi	s?	
23	A.	They they are looked at once a year and	

Q. Okay. How are the allocation factors derived?

they -- they are derived for every rate case.

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A. This particular allocation factor that's used to
allocate plant is called the four factor allocator, and
it contains four metrics that are used to determine
at that are blended together evenly to determine the
factor. They look at direct assigned plant. So labor
allocators that are direct assigned, and I can't
remember them all off the top of my head.

- Q. Given the disparity between the size of PSE's electric and gas rate bases, I mean, can you imagine a situation where the allocator isn't going to be heavily weighted towards electric?
- A. I think -- I think historically the electric allocator is above 50 percent.
- Q. Okay. I would like to move on to Get To Zero, which I guess mostly I want to start with page 39 of your rebuttal testimony.

You testified the Get To Zero should be treated as a single adjustment; correct?

- A. I think for purposes of pro forma adjustments and deferrals, Get To Zero should be viewed as a program and should be treated together.
- Q. What is the difference between a program and a project?
 - A. I'm not a project manager, but --
 - Q. Are you a program manager?

Susan	Free	by	Mr.	Ro	bers	on
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Τ	A. No, i'm not.
2	I would say that the program is a collection of
3	projects that when taken together you can derive
4	benefits out of implementing them and managing them
5	together as one program.

- Q. So a program consists of sub projects?
- A. Correct.

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- Q. And in Get To Zero's case, those -- those projects are aimed at different things; correct?
- Some of them are aimed at billing. Some of them are aimed at customer interface. Some at PSE's workflow, things like that. Correct?
- A. I'm not the witness to tell you about what the projects are. I would say at a high level they are aimed at transforming the customer experience and it is all customer-facing.
- Q. If one of them is PSE workflow or data analytics, how is that customer-facing?
- That's probably not a fair question for you.

 Never mind.
- The Get To Zero projects that we're concerned with here, they started going into service in 2016, thereabouts?
- A. I'm not -- that sounds correct. I don't know the exact.

Susan	Free	by	Mr.	Roberson
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- Q. And they are going to go into service for the foreseeable future of 2021-ish?
- A. Yes.

- Q. So they are going into service over a five-year span?
- A. Correct. I think that's a little different than you've seen in PSE's capital portfolio in the past, I think it used to be that we could -- a lot of our projects that we pro form into a rate case, with like a plant, would have one in-service date.

But the spending pattern is different now and these projects you can't hold them all up together until a certain point. They need to be deployed in a series so that they can leverage off of each other.

- Q. Okay. So if they are hypothetically aimed at different things and they go into service over a five-year span of time, the only thing tying them together is the fact that PSCE grouped them into the Get To Zero program; correct?
- A. I think that -- again, I don't think I'm the witness to speak to that. But I do know that the Get To Zero program is driven by business needs. It's looked at in terms of an objective and it's not an indiscriminate combination of projects.
 - Q. Okay. Could PSE create a project and dump a

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	Susan Free by Mr. Roberson	
1	bunch of indiscriminate stuff in there and then seek a	
2	single pro forma adjustment like you did here?	
3	A. I don't think PSE would do that.	
4	Q. But it could be under the theory that your	
5	espousing; right?	
6	A. I don't think that I think, in the policy	
7	statement that just came out, that I don't know a lot	
8	about. But it does envision programmatic spending and	
9	it envisions, you know, identification of that in the	
10	beginning and look back on it after the spending	
11	happens. And so I don't think there would be a lot of	
12	opportunity for that kind of treatment.	
13	Q. But the programmatic spending envisioned there	
14	is something like it would pull a replacement project;	
15	correct? Where PSE every year is replacing wood poles	
16	as part of a single project.	
17	A. That is the example that was given in the policy	
18	statement. But I believe it was also indicated it would	
19	be flexible as to what it would treat as a program.	
20	Q. Okay. Well, just more generally, I guess I'm	
21	looking for the limiting principle.	
22	If PSE can amalgamate a bunch of projects, how	

If PSE can amalgamate a bunch of projects, how is the Commission to decide whether or not it's properly one project or many projects?

A. I think it can be taken on a case-by-case basis.

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	Susan Free by Mr. Roberson
1	I don't think that PSE would ever bring so many programs
2	that it wouldn't be something that could be focused on
3	and decided.
4	Q. But it could?
5	A. I I don't think it would.
6	Q. Okay. In a similar vein, on page 33 and 39 of
7	your testimony, you seem to suggest that the Get To Zero
8	project should be incorporated in rates because
9	collectively they are material.
10	Is that a fair statement of your testimony?
11	A. Yes, it is.
12	Q. If the major plant standard is there to limit
13	the number of projects that parties have to consider
14	after the test year, doesn't kind of grouping them
15	together defeat the purpose of that standard?
16	A. I don't really I don't really see that
17	there's a hard standard.
18	So I think that that looking on a
19	programmatic basis is appropriate if it's material to
20	the company.
21	Q. There is a standard there; correct? A major
22	plant standard.
23	A. I don't I don't read the guidance that way.
24	I I read the guidance to say that there it's
25	specific to the cases that the order was was

	Susan Free by Mr. Pepple
1	provided.
2	Q. But the Commission over and over again has said
3	pro forma plant adjustments should meet some reasonable
4	definition of major; correct?
5	A. Yes. It's also said other things, like, if it's
6	material to the company and a certain impact to their
7	financials that it can be considered.
8	Q. Okay. So in PSE's view of the law, anything
9	that's material is subject for inclusion in rates of pro
10	forma adjustment?
11	A. I don't know if that's the only consideration.
12	I do in terms of what we put forth as pro forma
13	adjustments, I believe we followed Commission guidance.
14	MR. ROBERSON: Okay. I think I have no
15	further questions. Thank you.
16	JUDGE PEARSON: Okay. Any redirect?
17	MS. CARSON: No, Your Honor.
18	JUDGE PEARSON: Okay. And AWEC?
19	CROSS-EXAMINATION
20	BY MR. PEPPLE:
21	Q. Good afternoon, Ms. Free.
22	A. Good afternoon, Mr. Pepple.
23	Q. I had some questions for you about Colstrip.
24	Could you turn to your Exhibit SEF-29?
25	A. I'm there.

- Q. And just for background on this exhibit, AWEC's witness, Mr. Mullins, has proposed that the remaining unrecovered investment at Colstrip Units 1 and 2 be removed from rate base and offset with monetized production tax credits.
 - Do you recall that?
- A. I do.

- Q. And this exhibit provides various scenarios if the Commission decides to accept Mr. Mullins' proposal, or at least some variation of that proposal that you have described in your testimony.
 - A. That's correct. I continue to believe that our proposal in the rate case is reasonable. But in the event that the Commission were to decide with Mr. Mullins, I've provided some corrections to what he had in his response testimonies and some alternative scenarios.
 - Q. Okay. So just looking at page 1 of SEF-29, this page shows the revenue requirement impact if the Commission updated the Colstrip 1 and 2 plant balances to December 31, 2019, but did not offset any of their production tax credits. That's one scenario; correct?
- A. Yes. In that scenario, the need for -- the
 reason not to bring in the PTCs is because they are
 already accruing interest, which is the same impact --

	Susan Free by Mr. Pepple
1	it has the same impact as including them in the rate
2	case.
3	Q. And do you do you, by any chance, have
4	Mr. Mullins' cross-answering exhibits?
5	A. Over there.
6	Q. I have some copies. I'm happy
7	I'm looking at Exhibit 13C. And I have copies
8	for others.
9	And this is a confidential exhibit, but I'm
10	going to keep my questions nonconfidential.
11	A. I do have it. Thank you.
12	Q. So in your rebuttal testimony you identified
13	several errors that Mr. Mullins made in his rebuttal
14	his response testimony in calculating the Colstrip plant
15	balances.
15 16	balances. Do you recall that?
16	Do you recall that?
16 17	Do you recall that? A. Yes.
16 17 18	Do you recall that? A. Yes. Q. Okay. And so can you turn so this exhibit
16 17 18 19	Do you recall that? A. Yes. Q. Okay. And so can you turn so this exhibit updates Mr. Mullins' calculations
16 17 18 19	Do you recall that? A. Yes. Q. Okay. And so can you turn so this exhibit updates Mr. Mullins' calculations A. Yes.
16 17 18 19 20	Do you recall that? A. Yes. Q. Okay. And so can you turn so this exhibit updates Mr. Mullins' calculations A. Yes. Q after he was provided with certain
16 117 118 119 220 221	Do you recall that? A. Yes. Q. Okay. And so can you turn so this exhibit updates Mr. Mullins' calculations A. Yes. Q after he was provided with certain corrections and supplements that PSE provided.

Susan Free by Mr. Pepple

1 MR. PEPPLE: This is BGM	1-13C.
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BY MR. PEPPLE:

- Q. And if you look at the total rate base number there, 111,946,494, and then compare that to the total
- rate bus number that you have on line 28 of page 1 of
- 6 | SEF-29, those -- that's the same number; is that right?
- 7 A. Correct.
- Q. And then if you look at page 2 of BGM-13C, he shows a number for the unrecovered investment in Colstrip 1 and 2.
- Do you see that?
- 12 A. I do.
- Q. And that number is not exactly the same number you have on line 35 of SEF-29, but it's pretty close.
- Would you agree?
- 16 A. Yes.
- 17 Q. Okay. So -- so now that we have updated 18 information from PSE, the numbers for -- between AWEC 19 and PSE are at least comparable.
- 20 A. lagree.
- Q. So just focusing back on SEF-29. At the top of this page on line 5, you show what the overall revenue requirement -- requirement impact would be if the unrecovered investment in Colstrip 1 and 2 is updated to
- the end of 2019, which is approximately \$1.3 million

Susan Free	by	Mr.	Pepple
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- 1 reduction. Correct?
 - A. Correct.

- Q. Okay. And then page 2 of this exhibit, this is
- 4 | a different scenario where again the Colstrip 1 and 2
- 5 | plant balances are calculated as of the end of 2019, but
- 6 now it's offset with PTCs that were monetized on PSE's
- 7 | 2018 tax return which was filed in September of 2019;
- 8 correct?
- 9 A. That's correct.
- 10 Q. Okay. And this scenario has -- on line 18, it
- 11 | says, "Include ADF IT on monetized PTCs." And there's a
- 12 number of about 17.3 million.
- Do you see that?
- 14 A. I do.
- Q. Can you just explain what that is? Why is there
- 16 ADF IT on monetized PTCs?
- 17 A. That would be a better question for
- 18 | Mr. Marcelia.
- 19 Q. Okay. I will hold that question for him then.
- Maybe one other follow-up question on this and
- you can take it to Mr. Marcelia if you need to. But do
- 22 you know if that deferred tax asset, if PSE is holding
- 23 | it in rate base?
- A. I believe that it's either in working capital or
- 25 | rate base. I'm not exactly sure.

- Q. Okay. But PSE is earning a return on that tax asset. Do you understand that?
 - A. I'm not -- I'm not sure.
- Q. Is that something Mr. Marcelia would know?
- 5 A. No, it is not.

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- Q. Is that something any PSE witness would know?
- 7 A. This one should.
 - Q. Okay. Okay. That's fine. I can deal with that. Okay. So -- so just going back to the top of page 2 of SEF-29.

So the revenue requirement impact in this scenario on line 1 has a \$7.8 million reduction. But then that is offset by some pro forma adjustments that you propose be included, if this scenario is accepted; correct?

- A. That's correct.
- Q. What is the basis for including these additional pro forma adjustments?
- A. Because if you were to include the PTCs and -that weren't monetized on September tax return, that's
 beyond the pro forma period for planned adjustments we
 used in this case, as well as moving the rate base for
 the units out to a regulatory asset of December 2019 is
 also beyond the pro forma period.
 - And so there are other pro forma adjustments

	Susan Free by Mr. Pepple
1	within our case that if you updated those to September
2	as well you would see the impacts that I show on this
3	page.
4	Q. So so I think it was it's your testimony
5	that moving the Colstrip plant balances to December of
6	2019, is itself a pro forma adjustment?
7	A. Yes.
8	Q. So how come those pro forma adjustments aren't
9	included on page 1 of SEF?
LO	A. If they were, it would result in a revenue
L1	requirement increase.
L2	Q. Well, there's a revenue requirement increase on
L3	page 2 of SEF.
L4	A. Yes. So I think that I was tying the pro forma
L5	adjustments to the PTC treatment.
L6	Q. Okay.
L7	A. But I do believe it's appropriate that they
L8	could be also considered for the regulatory asset
L9	treatment being moved to December 2019.
20	Q. Okay. And okay. So then just to close the
21	exhibit out, page 3 is another scenario. And this
22	scenario is if the Commission accepted Mr. Mullins'
23	proposal in full, which is that PTCs are monetized when
24	Puget uses them on an estimated tax payment rather than

when they are included on an annual tax payment.

Susan Free by Mr. Pepple

So this includes additional PTCs be	ecause Puget
included PTCs in 2019 estimated taxes.	Is that your
understanding?	

- A. That's my understanding of Mr. Mullins' position,
- ⁵ yes.

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- 6 Q. And that's what this --
- 7 | A. Yes.
- 8 Q. What it reflects. Okay.
- 9 And then -- so the impact here is an
- 10 | \$11.3 million revenue requirement reduction on line 1;
- 11 and if you include the pro forma adjustments you
- proposeal, it's a \$1.5 million reduction?
- 13 A. Correct.
- Q. Okay. And then can you turn to page 44 of your rebuttal testimony, please.
- 16 A. I'm there.
- 17 Q. And I'm looking at line 19. And there you say,
- 18 | PSE has appropriately not reflected Colstrip Units 1 and
- 2 as a regulatory asset as of December 31, 2019, because
- the date is outside of the plant pro forma period of
- 21 | June **2019**.
- Do you see that?
- 23 A. Yes.
- Q. It is a fact, isn't it, that PSE has now
- transferred the remaining plant balance of Colstrtip 1

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	Susan Free by Mr. Pepple
1	and 2 to a regulatory asset?
2	A. Correct.
3	Q. That's all my questions.
4	JUDGE PEARSON: Thank you.
5	Any redirect?
6	MS. CARSON: No, Your Honor.
7	JUDGE PEARSON: Okay. Questions from the
8	bench?
9	Okay. So we're going to go ahead and take a
10	recess now before we continue. Yes, we'll come back
11	with this panel. Ten minutes. Okay. So we'll take a
12	10-minute recess.
13	(A recess was taken from 3:24 p.m. to 3:39 p.m.)
14	JUDGE PEARSON: We'll be back on the record
15	following the recess. In just one moment we'll have
16	questions from the bench for the witnesses.
17	MR. PEPPLE: Your Honor, one quick just
18	before the questions from the Commission.
19	PSE did confer during the break and Ms. Free
20	was able to get an answer to the one question I asked.
21	Would it be possible for her to put that on
22	the record?
23	JUDGE PEARSON: Absolutely.
24	MR. PEPPLE: Should I ask the question
25	again?

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	Susan Free by Commissioner Rendahl
1	JUDGE PEARSON: That would be helpful, yes.
2	CROSS-EXAMINATION (Continued)
3	BY MR. PEPPLE:
4	Q. So the question was whether the deferred tax
5	asset associated with monetized PTCs whether PSE was
6	earning a return on it or not?
7	A. No, it is not <mark>ain</mark> rate base.
8	Q. Okay. Thank you.
9	COMMISSIONER RENDAHL: Can I just follow up
LO	on that?
L1	So I think your question is, is it earning a
L2	return just in rate base or whether it's investor
L3	supplied working capital or a regulatory asset, is it
	supplied working capital or a regulatory asset, is it also earning a rate base in those?
L 4	
L 4	also earning a rate base in those?
L 4 L5 L6	also earning a rate base in those? MS. FREE: It is not it is included in
L3 L4 L5 L6 L7	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any
L 4 L5 L6 L7	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion.
L 4 L5 L6 L7	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion. COMMISSIONER RENDAHL: Thank you. Yes.
L4 L5 L6 L7	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion. COMMISSIONER RENDAHL: Thank you. Yes. JUDGE PEARSON: Okay. Thank you.
L4 L5 L6 L7 L8	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion. COMMISSIONER RENDAHL: Thank you. Yes. JUDGE PEARSON: Okay. Thank you. COMMISSIONER BALASBAS: All right. This
14 15 16 17 18 19 20	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion. COMMISSIONER RENDAHL: Thank you. Yes. JUDGE PEARSON: Okay. Thank you. COMMISSIONER BALASBAS: All right. This question is directed to Ms. Hopkins.
L4 L5 L6 L7 L8 L9 220	also earning a rate base in those? MS. FREE: It is not it is included in nonoperating, so it is not earning a return in any fashion. COMMISSIONER RENDAHL: Thank you. Yes. JUDGE PEARSON: Okay. Thank you. COMMISSIONER BALASBAS: All right. This question is directed to Ms. Hopkins. Good afternoon, Ms. Hopkins.

Margaret Hopkins by Commissioner Balasbas
all the various IT investments at PSE and maybe provide
some specific examples of both project and executive
oversight.

MR. TAYLORMS. HOPKINS: Certainly. So in terms of the level of coordination, all of the IT investments stem, first and foremost, from a business strategy.

So when we're planning for a five-year planning exercise, all of the officers are involved in discussions with respect to priorities for the company as they relate to customer need, business need, reliability, et cetera.

And so once the business priorities oprietaries are established from that flows a conversation of whether or not there's technology associated with meeting that demand or that business need.

So as priorities are determined at that level, we then work inside of the IT organization to determine if there's a technology investment required to support, and we provide estimates initially in the planning phase to place IT investments into the five-year plan.

Once they are in the plan and during a calendar year, when we embark on -- you know, an IT project, we go through a pretty rigorous process that we call -- it is a business case to some degree, but we

Docket Nos. UE-190529 and UG-190530 (Consolidated) - Vol. IV Margaret Hopkins by Commissioner Balasbas value of an investment. And that CSA process is signed off by two officers, so there's a business officer, an executive who puts forth the need, they sign off on this business case, and then I sign off on it as well. And it takes multiple levels of management review before it goes through each of the phases. determine that, in fact, maybe we should not proceed.

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call it our "corporate spending authorizationty." It's a CSA. And it has multiple phases by which you determine the

So there's quite a bit of analysis that goes into the early phases to determine the value, whether it is something that we, ifin fact, want to do for the company. Sometimes we assess multiple alternatives and

So it -- it -- I would say that in every step of the process of a technology investment, we have multiple levels of management reviewing the costs and the benefits and signing off on those throughout.

COMMISSIONER BALASBAS: So I can understand that process and analysis for a single IT investment. But how does that -- or -- but then how -- how does the analysis and management and oversight of each individual IT project then get coordinated with all the different projects that are ongoing at the same time.?

MS. HOPKINS: Is your question that if -- if

Margaret Hopkins by Commissioner Balasbas one project over here has to coordinate across to another project.

COMMISSIONER BALASBAS: Well, it's not just projects coordinating among themselves, but just from an overall global standpoint within the company how -- how do you and your division ensure that all of those IT investments are being coordinated?

And which leads me to a related question which is then how -- you know, given all the different accounting positions petitions and other projects that are going on at the company right now, how do we ensure that what we approve for purposes of rate recovery, rate payers are not double paying for investments or that we're not double counting investments for rate making-?

MS. HOPKINS: Okay. So two-step question.

I just want to break it down to two.

So re-ask me the first one so I make sure I hit that one and then I will -- re-ask me the second one --

COMMISSIONER BALASBAS: So the first question is on -- with all the different IT projects going on, not only coordination among multiple projects if they're say, for instance, going after the same business strategy but also managing all of the different IT investments at the same time and coordinating all

2.2

Margaret Hopkins by Commissioner Balasbas those so that we then lead to the question of how do we make sure we're not double counting or layering all these investments and rate payers are not paying twice for the IT investment-?

MS. HOPKINS: Well, I guess to answer the first question, we have monthly reports that are reviewed particularly for our strategic projects. And the strategic projects that have the most dollars associated with them. So they're the ones that buy-by and large are the ones we put forth in our testimony.

There's a monthly report that goes out to the entire executive team, the officers and the directors that shows the status of those projects in terms of their cost, their risks, their issues, their benefits at every phase in their project. And so that is reviewed -- in its entirety across the entire executive team.

So we have insight into all those projects on a regular basis and the opportunity through steering committees to raise issues and to, you know, halt a project, if necessary, or ensure that we know whether or not these cross over.

So there is cross-coordination and oversight through what we call our Enterprise Program Office. So they provide that cross-coordination and costs are taken

2.2

,	Susan Fr	ee by Cor	nmissione	r Balas	sbas	
into	account a	as part of	those repo	rting n	nechanis	ms.

So it would be difficult through that report to know if there is any duplication. But I would say that I personally review every IT investment that goes through to a high degree of scrutiny, and I would have some insight into whether or not there's any duplication. And to the best of my knowledge, I have not uncovered a piece of duplication to date; especially in the testimony we have in front of us.

COMMISSIONER BALASBAS: It looks like Ms. Free wants to jump in here on this answer, so I'll let Ms. Free do that.

MS. FREE: I think I can address the second part of the question.

We thought about this actually quite a bit when we were filing the case, about the duplication, because we have test year, we have pro forma, and we have the attrition.

And so the way we chose to put it together to ensure there was no duplication is the -- we limited the pro forma period to June, which is well before the attrition analysis starts.

We -- those projects we only included the rate year revenue requirement for those projects at June. And then the deferral was for projects that

	Susan Free by Chairman Danner
1	qualified up into the beginning of the rate year.
2	And so there's no duplication. We made
3	it if you think about it on a timeline, we just made
4	sure that they were just stacked appropriately so that
5	they weren't double counted.
6	CHAIRMAN DANNER: Just to clarify. So we're
7	talking about not just duplication of infrastructure,
8	we're talking about duplication of services that these
9	different pieces might provided?
LO	You are nodding "yes."
L1	MS. FREE: The services would probably be
L2	Margaret. I'm just talking about how we layered in the
L3	certain projects.
L4	MS. HOPKINS: My commentary would have
L5	related to not duplication of services; correct.
L6	COMMISSIONER RENDAHL: So, for example
L7	and maybe this is where Mr. Jacobs gets to say something
L8	now where you have a number of different projects
L9	under Get To Zero, some of which are foundational for
20	data center effort or maybe for the other IT projects to
21	work.
22	How do you separate out some of those
23	foundational enterprise level IT work that is picked up
24	in Get To Zero but may also may be also included in

the data center work? Do you know what I'm saying?

2.2

Joshua Jacobs by Commissioner Rendahl

MR. JACOBS: I think I do. So let me try it this way with an example.

So our web redesign project, it was a re-platform of our website and there were many different parts to that. It was a large transformational project that was the first web project in a series of a few web projects for us.

So that went into service in the fall of 2018 under an order number, and that order number was closed when it went into service and was used inand useful for customers.

As we look to build upon that platform with new features and functions, we'll have new order numbers that represent the work associated with that business case or corporate spending authorization and we will manage that work under that order number to represent the work streams associated with that business case.

CHAIRMAN DANNER: All right. Let me ask this question, Ms. Hopkins.

In your initial testimony you state that a number of PSE's IT applications are to take advantage of hosted services such as cloud computer, and then you state that the design of the new data center is anticipated in corporate discretion transition to the cloud.

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Did PSE investigate -- did PSE investigate the option of fully switching the hosted services when considering alternatives through replacement of the private data centers?

MS. HOPKINS: Yes. We did. And the most important thing to understand about our IT systems is that there are IT systems that we have at PSE that cannot operate in the cloud.

By and large, those are our IT systems and assets that fall under NERC/CIP's compliance.

There is not a single cloud provider today or a single data center provider today who can meet the NERC/CIP's obligations and many of the providers like Microsoft and Amazon are trying very hard to find a way to certify themselves in this area but they cannot.

And so for the foreseeable future, PSE will have a physical data center that has on-premise systems because they cannot actually operate in the cloud.

CHAIRMAN DANNER: So if you can give me kind of -- well, a general idea of, you know, if you break it down, is most of this in the data center? Is most of this on the cloud? I mean how --

MS. HOPKINS: So today about 20 percent of our IT solutions are currently operating in the cloud.

Our knew pse.com service that -- when we Get

Margaret Hopkins by Chairman Danner

To Zero is operating in Amazon web services in the cloud.

So the way we go are about determining whether or not a service is suitable for the cloud, is first and foremost whether it can operate there. That's the first question. Some can; some cannot.

The second question you have to ask is whether or not the cloud provider can operate it in a secure manner.

The fact that we're a critical infrastructure, our cyber security requirements are so stringent and so critical to the operation of the gas and the electric system, if the cloud providers cannot meet the cyber security requirements, then we take a position that we, first and foremost, will make sure that the services are secure. That is a high priority for us.

If it's a low priority system, then we may provide some leniency there, but we -- we are very strong in our position on our cyber security stance.

And then, third, while marketing materials might try to appear that cloud services are more cost effective, we have a responsibility to ensure that the services we provide are the lowest cost solution for our customers to the best of our abilities. And oftentimes

	Margaret Hopkins by Chairman Danner
1	the cloud solutions are not the most cost effective.
2	So the third assessment is, is it cost
3	neutral? Is it more cost effective to put it in the
4	cloud? Or it is more cost effective to put it on the
5	ground?
6	And so those are the criteria that we use to
7	determine. And then once that determination is made,
8	then we make the decision to put it in the data center
9	or not.
10	We do anticipate eventually more and more
11	services will transition to the cloud, as that makes
12	more sense.
13	As I stated, we're about 20 percent there
14	today. And when we built the data centers, we actually
15	reduced our square footage from about 20,000 combined
16	square feet to 2400 combined square feet.
17	CHAIRMAN DANNER: I'm sorry, give me those
18	again.
19	MS. HOPKINS: From about 20,000 square feet
20	to 2400 combined square feet, because we don't
21	anticipate the need to expand the data centers in scale
22	at the rate that we used to in the past.
23	CHAIRMAN DANNER: All right. Well, thank
24	you.

And then you testified in rebuttal that of

	Margaret Hopkins by Chairman Danner
1	the 79.3 million of the data set or costs that you're
2	seeking to recover, 46.1 million was updating the
3	existing IT systems to meet the current standards
4	required by the Emergency Management Systems, and the
5	configuration testing of the migration of the systems to
6	to the new facilities.
7	Were these expenditures exclusively related
8	to the data center disaster recovery plan?
9	MS. HOPKINS: Those expenditures were
10	related to standing up a new platform to enable disaster
11	recovery.
12	And what I mean by that is on the inside of
13	the data center if you exclude the facilities
14	themselves, on the inside of the data centers you have
15	network connectivity; you have telecommunications; you
16	have servers; you have storage. And all of that
17	equipment needed to be built out to accommodate disaster
18	recovery capabilities. So it was a replatforming, if
19	you will, inside the data centers.
20	So that equipment cost approximately
21	\$31 million.
22	The other \$14 million were the cost to
23	convert our applications to work on the new platform so
24	that they had the disaster recovery capabilities that

they needed.

	Margaret Hopkins by Chairman Danner
1	So the 14 million was largely labor cost for
2	the software developers to convert over to the new
3	systems.
4	CHAIRMAN DANNER: Okay. So I'm trying to
5	get where is the nexus to the AMI and Get To Zero?
6	Is between that and the emergency management stuff,
7	is there is there overlap there?
8	MS. HOPKINS: There is no overlap between
9	the data center project and the AMI project and Get To
10	Zero. So I don't believe there is any overlap.
11	What I will say is that when we built Get To
12	Zero, rather than putting the cost of disaster recovery
13	for Get To Zero into the data center project, we built
14	disaster recovery capabilities as part of the build out.
15	For instance, pse.com, while it's in the
16	cloud, it has its own disaster recovery capability
17	already built into the cloud platform.
18	CHAIRMAN DANNER: Can you tell me your
19	last data centers lasted a decade?
20	MS. HOPKINS: That is correct.
21	Well, let me just correct you. The Bellevue
22	data center lasted 15 years. The Bothell Bothel data center
23	lasted a decade.
24	CHAIRMAN DANNER: Okay. So looking forward,
25	I mean, when do we expect you to come back either for a

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	Margaret Hopkins by Chairman Danner
1	new data centers or
2	MS. HOPKINS: We think it is a really fair
3	question.
4	The challenge that we've had in this
5	industry I've been doing this for 32 years and I've
6	built many data centers.
7	The challenge that we've had with data
8	centers facilities, those traditional data centers like
9	Bothell Bothel and Bellevue were, is that they cannot keep pace
10	with technology. The heating and cooling requirements
11	are outpacing them as well as the density that that
12	goes on in and the weight requirements.
13	And so it's a consequence of that these
14	traditional data centers that years and years ago we
15	thought would last us 20 years have averaged about seven
16	to ten.
17	The promise of modulare data center was
18	supposed to be the solution to building out a data
19	center that's going to last longer than that.
20	So the modulare data center concept started
21	about 10 years ago. And it was really early in its
22	infancy.
23	As we've just built out our modular data
24	centers, they've gotten to be excellent. And we believe
25	that they will last 15 to 20 years.

Margaret Ho	pkins by	Chairman	Danner

And the reason we believe that is because the parts are interchangeable and they can scale much better with how technology is changing. And that seems to be proving out.

With that said, we're only ten years, as an industry, into the modular data center. And in about five years we'll know for sure whether or not they're going to make it 15 or 20. It's the best shot we've got.

CHAIRMAN DANNER: So get your crystal ball out.

Do you see cloud computing security characteristics improving? Is there a chance that you will be moving more to the cloud and some of these things even NERC or -- will be changing their standards to allow you to move that way?

MS. HOPKINS: I don't see NERC changing their standards or falling back on their standards. I actually anticipate that they will get a little stricter.

The cyber threat landscape is driving us to be more and more risk averse and I think rightly so. I don't think NERC will lift their standards.

What I do think may happen in the future, five to ten years out, is that companies like Microsoft,

	Margaret Hopkins by Chairman Danner
1	companies like Amazon, will find a way to work with WECC
2	and NERC to determine how that they can become certified
3	and that they can comply and be allowed to house these
4	assets in their data centers.
5	And so I can foresee it. I think it will be
6	awhile. I think we're talking a five- to ten-year time
7	frame.
8	Now, with that said, I don't think that
9	security in the cloud is getting stronger and stronger.
10	And for non-NERC assets, I do see that we'll continue to
11	migrate other systems to the cloud over time.
12	It's highly possible that our SAP system, as
13	an example, will migrate to the cloud in four or five
14	years, because the vendors are forcing us to go there.
15	Whether it's cost-effective or not, they may
16	force us to go there. So it's possible that a good
17	50 percent of our services could be in the cloud in the
18	next 10 years.
19	CHAIRMAN DANNER: Thank you.
20	COMMISSIONER RENDAHL: So this question is
21	for Ms. Koch. And I'm going to refer you to your
22	testimony, your rebuttal testimony CAK-6TR.
23	Do you have that? And a microphone.
24	MS. KOCH: Okay.
25	COMMISSIONER RENDAHL: So on page 7, if you

	Cathy Koch by Commissioner Rendahl
1	look on line 15, actually the sentence begins on
2	line 13. You talk about PSE being behind in its ability
3	to meet growing customer expectations, new technology
4	requirements, and grid changes. And I don't think
5	you're referring just to AMI here.
6	Are you referring just to AMI or are you
7	referring to being ready to meet the changes coming?
8	MS. KOCH: It includes AMI, but
9	holistically, right, the grid needs to be ready for
LO	that.
L1	COMMISSIONER RENDAHL: So if PSE is behind
L2	and is now trying to put in lots of different programs
L3	and services to get up to speed, so to speak, does that
L4	mean that the customer should bear all of this at one
L5	time?
L6	MS. KOCH: Well, I think what PSE has been
L7	doing for a while is it has been moving us in that
L8	direction. I think the arrival of the Clean Energy
L9	Transformation Act has created a sense of pace that was
20	hard to foresee.
21	I think we are continuing to think about
22	aggressive but reasonable pace to improve reliability in
23	the grid. With but that's not the only reason we've
24	been thinking about things.

AMI, for example, we need to transition

	Cathy Koch by Commissioner Rendahl
1	because it's failing and has a fundamental reliability
2	concern.
3	And so I think if as we continue to
4	understand what the ramifications of Clean Energy
5	Transformation Act is and what the expectations are.
6	What the rules are. I think that will become more clear
7	what we need to get accomplished
8	COMMISSIONER RENDAHL: So whoever is on the
9	bridge, could you please mute your line?
LO	I'm sorry. Go ahead.
L1	MS. KOCH: I think that understanding the
L2	expectation of the Clean Energy Transformation Act will
L3	really drive some clarity on how and what pace we need
L4	to move at.
L5	From my perspective, as a utility change
L6	takes a little bit longer than the Amazons and the
L7	Microsofts. And so my perspective is we're behind in
L8	what we need to get to. But I suggest that it's
L9	we're progressing at a reasonable pace, but we want to
20	be adaptable.
21	COMMISSIONER RENDAHL: But you had started
22	AMI before the clean energy bill passed; correct?
23	MS. KOCH: We did, for the reasons that it
24	was failing. Right?
25	And the benefits that AMI brings

	Cathy Koch by Commissioner Rendahl and Balasbas
1	irrespective of Clean Energy Transformation Act, I think
2	that's the third layer of potential benefits that AMI
3	provides <u>like</u> microgrids and those sort of things.
4	COMMISSIONER RENDAHL: And Get To Zero was
5	before the clean energy passed for other reasons.
6	MS. KOCH: I believe it was. I believe it
7	was, yes.
8	COMMISSIONER RENDAHL: All right. Thanks.
9	COMMISSIONER BALASBAS: So I believe this
10	question is for Ms. Free.
11	So, Ms. Free, given that we have had, as the
12	questions that Commissioner Rendahl just asked about the
13	timing of the AMI and Get To Zero investments, given
14	that these are continuous investments before we
15	consider the Company's proposed pro forma adjustments,
16	are there AMI and Get To Zero expenses including
17	depreciation baked into the test year?
18	MS. FREEKOCH: Yes, they are.
19	COMMISSIONER BALASBAS: And if "yes," do you
20	have those dollar amounts?
21	MS. FREEKOCH: No, I do not.
22	COMMISSIONER BALASBAS: I would like to make
23	that a bench request.
24	CHAIRMAN DANNER: So, Mr. Jacobs, I wanted
25	to ask you in your testimony you said utility

	Joshua Jacobs by Chairman Danner
1	customers experience higher satisfaction when they are
2	provided with mobile, web, e-mail, and IVR channels as
3	compared to a phone call.
4	And I'm just wondering if you broke that
5	down, is if you were to take each of those
6	separately mobile, web, e-mail, and IVR would you
7	find the same level of satisfaction?
8	In other words, I'm what I'm getting at
9	is do customers prefer IVR to a phone call?
10	And your testimony is on page 6 of your
11	MR. JACOBS: Yeah. I'm going to Exhibit
12	in my rebuttal JJJ-12, which is the J.D. Power
13	survey, which I believe that's where that statement
14	comes from.
15	Which which shows a higher level of
16	customer satisfaction across a number of different
17	channels that customers can engage with us on.
18	CHAIRMAN DANNER: Right. But I mean
19	that's and that's the suite.
20	So, on balance, people like the suite. But
21	are there individual items on that on that list or in
22	that suite that they actually have higher levels of
23	MR. JACOBS: Yeah, I think based on
24	CHAIRMAN DANNER: on others they don't.
25	MR. JACOBS: Based on the survey results, it

	Joshua Jacobs by Chairman Danner
1	shows that there is a higher level of satisfaction
2	through desktop, mobile app, and then communicating with
3	them via text, chat, social media. Actually, IVR is the
4	lowest of the different channels.
5	CHAIRMAN DANNER: And
6	MR. JACOBS: It does not have an agent
7	experience represented here.
8	CHAIRMAN DANNER: Okay. So as you move
9	things more to IVR, we still have customer satisfaction
10	surveys that require or standards that require that
11	you reach a human being within a certain amount of time.
12	MR. JACOBS: Yeah.
13	CHAIRMAN DANNER: And from what I understand
14	the testimony you continue to meet that or you intend to
15	continue to meet those standards; is that correct?
16	MR. JACOBS: That's absolutely correct.
17	Nothing within Get To Zero is meant to reduce a
18	customer's option to pick up the phone and call and
19	spoke with a live agent.
20	Really, we're trying to make the experience
21	more convenient; however, a customer chooses to engage
22	with us. Whether it's through the IVR, with an agent,
23	on the mobile app or on the website.
24	To make sure that we have a consistent
25	cross-channelled experience for customers that can

Joshua Jacobs by Chairman Danner 1 provide accurate realtime information so they can manage their account when it's convenient for them. 3 We're not recommending any change to SQI 5, 4 which is what would dictate our staffing levels to make 5 sure that we meet that service level. 6 CHAIRMAN DANNER: So -- and right now -- so 7 if I decide I need to call Puget after looking at the 8 web and not finding what I need, I can make that phone call, I will get -- IVR will give me a menu and 10 somewhere at the end of that menu it will say press to 11 speak to an human being? 12 MR. JACOBS: Absolutely. 13 CHAIRMAN DANNER: How long does it take to 14 get to that point on the menu? 15 MR. JACOBS: I don't know that for certain. 16 I can say that part of what we delivered within Get To 17 Zero is a complete revamp of our menu system for 18 customers to make it easier and more convenient to 19 navigate through that path more quickly than they would 20 have otherwise. 21 CHAIRMAN DANNER: Okay. All right. Thank 22 you very much. All right. This is a question for 23 Ms. Koch. 24 I don't know if you saw on January 13th of 25

this year, Utility Dive published an article that

	Cathy Koch by Chairman Danner
1	says the title of the article was "Most Utilities
2	aren't getting full value from smart meters report
3	warns."
4	And this was a report it was an article
5	about a survey conducted by the American Council of
6	Energy Efficiency from Energy Efficient Economy.
7	ACEEE. And they surveyed 52 utilities around the
8	country and determined to to see how they are
9	leveraging AMI.
LO	And they captured data on six use cases.
L1	And they found that basically one utility in the country
L2	was was optimizing AMI, and that utility was not
L3	Puget.
L4	The six use cases were time of use rates,
L5	realtime energy use feedback for customers,
L6	behavior-based programs.
L7	Do you want me to start over?
L8	MS. KOCH: Yeah. Sorry.
L9	CHAIRMAN DANNER: There's six. Time of use
20	rates, realtime energy use feedback for customers,
21	behavior-based programs, data disaggregation, grid
22	interactive efficient buildings, and volt VAR or CVR
23	optimization.
24	How do we know or how can we ensure that
25	Puget is going to optimize the benefits of of AMI and

	Cathy Koch by Chairman Danner
1	how do we how do we ensure that if we're going to
2	invest all this money in this platform that this
3	platform is going to be used to the fullest extent that
4	it can be for getting benefits to the customer.
5	MS. KOCH: So so we're spending a lot of
6	money to put
7	CHAIRMAN DANNER: I know.
8	MS. KOCH: to put a system in. And
9	that's really important.
10	We're clearly moving forward with CVR. And
11	one of the things that isn't on your list is leveraging
12	at redistribution automation to improve reliability.
13	Some of these other ones, as you point out
14	and I definitely depend on strong customer
15	participation, and so we we've been thinking very
16	mindful of how to gain that so that pilots like these
17	can be successful.
18	I think we are actually talking about some
19	time of use pilots. I think your Staff, UTC Staff would
20	like us to try some peak pilots or peak pricing pilots
21	as well.
22	So with examples like Get To Zero that take
23	the basic foundation of AMI and begin to leverage it, I
24	think <u>it</u> is a demonstration of PSE continuing to look at

what this foundation offers.

Cathy Koch	y Chairman	Danner
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I'll also offer that we have a group in-house that's talking about how to enable data. Data enablement. And we're -- we've continued to put additional use cases together to test out and pilot further uses with AMI.

But we also need to be very mindful and thoughtful as we do that so that we can maximize thoroughly rough those benefits.

I'd suggest that we're going to be one of those at the top of the list. Because it really does have a lot of value -- not just for customers and there's a lot of -- there's a lot of customer in a facing value there, but there's a lot of system stuff, CVR being a great example where customers get the benefit of things that we can do on the grid with AMI that -- it's not necessarily requiring customer participation. So the more that we can factor that in as well.

CHAIRMAN DANNER: So there's been a lot of talk over the last few years about performance-based rate making.

Is there a way that, you know, if -- if
we -- we look at something like these use cases or maybe
there's an advisory group that's put together to develop
these use cases, can we -- should we be tracking the

	Cathy Koch by Chairman Danner
1	benefits that that we're getting or not getting
2	and and figure out if we should be determining
3	recovery based on the optimization.
4	MS. KOCH: So I think Lam notyou have met Jon
5	Piliaris, but I do believe that there's been
6	conversations about performance base rate making and
7	that's something we're interested in talking more about.
8	Even in this rate case, I think UTC Staff
9	asked how how has benefits been realized with what
10	what we've already got. And we were able to demonstrate
11	that even even just with half the system that we have
12	in today, we're receiving benefits.
13	Measure us? You should do that. We're
14	measuring ourselves, and so I think that's an
15	appropriate featureaction.
16	CHAIRMAN DANNER: All right. Thank you.
17	COMMISSIONER RENDAHL: So, Ms. Koch, I have
18	some questions for you about AMR and AMI. So we're back
19	to that topic.
20	And this has to do with the depreciable life
21	of the assets. So in your rebuttal testimony on page 6.
22	And I'll wait until you get there.
23	MS. KOCH: Okay. I'm there, 6.
24	COMMISSIONER RENDAHL: I'm sorry. Pretrial Prefiled
25	direct.

	Cathy Koch by Commissioner Rendahl
1	MS. KOCH: Okay. Page 6.
2	COMMISSIONER RENDAHL: I'm looking at
3	actually, it's rebuttal. It says "pretrial-prefiled direct" on
4	the bottom.
5	MS. KOCH: Yeah, yeah. I notice that.
6	COMMISSIONER RENDAHL: But, yeah, it's
7	actually rebuttal. So it is Exhibit CAK-6T at page 6,
8	starting at on line 18.
9	MS. KOCH: Yes.
10	COMMISSIONER RENDAHL: Okay. So you
11	referred to the AMR system has a design life of
12	15 years.
13	So that's the system had a design life or
14	the meters themselves had a design life?
15	MS. KOCH: The meters and the modules both
16	have a design life of 15 years. So, in essence, it's
17	the system.
18	COMMISSIONER RENDAHL: Okay. And I think
19	you were looking at a cross-exhibit from Public Counsel.
20	I think it was CAK-11CX that identified sort of the
21	remaining the remaining book value and the amount of
22	depreciation expense still for some of these AMR assets;
23	correct?
24	MS. KOCH: Mm-hmm. DR_2T-65, yes:
25	COMMISSIONER RENDAHL: So PSE started

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	Cathy Koch and Susan Free by Commissioner Rendahl
1	putting these assets, the AMR assets into place in 1998
2	or 1999.
3	MS. KOCH: '98, yes.
4	COMMISSIONER RENDAHL: And so why is there
5	still so much depreciable life of these assets? Or is
6	it you because you had to continually replace them and
7	that's restarted the depreciable life; is that why we
8	have so much left on the system?
9	MS. KOCH: I'm going to say "yes," but I'm
10	going to pass it to my
11	COMMISSIONER RENDAHL: Okay. That's why
12	you're all up here together so you didn't have to do
13	this.
14	MS. FREE: Yeah, I do believe that that
15	you have to continually replace the AMR. And, in fact,
16	I think we still are having to replace AMR as we're
17	building out the AMI system. And so the cost of that is
18	embedded in the the book value of the plant. So it's
19	been retired over the years, but it's also been added
20	to.
21	COMMISSIONER RENDAHL: Okay. So and this
22	may be covered in the many exhibits and documents, but I
23	just need to refresh my memory on this.
24	So for those meters that you're removing,
25	the AMR meters that you're removing as you replace them

	Cathy Koch and Susan Free by Commissioner Rendahl
1	with AMI that still have that are being removed prior
2	to the end of their depreciable life, what is the
3	accounting treatment for those assets?
4	MS. FREE: They they stopped
5	depreciating. So the AMI will start depreciating and
6	the AMR will stop depreciating.
7	The book value of the AMR essentially gets
8	frozen in your rate base at that point.
9	The accounting entries are to move the gross
10	plant and accumulated depreciation to reverse those out.
11	But since those two accounts are both in rate base,
12	there's no impact on rate base. It just stays there.
13	And that usually and for mass assets,
14	like AMR would get trued up in the next depression depreciation
15	study.
16	But for something like AMR which is a bit
17	larger of the piece of the plant that you're dealing
18	with. It's its own thing. We've seen that there's been
19	regulatory asset treatment given for the unrecovered
20	balance of the asset.
21	COMMISSIONER RENDAHL: So your plan is to
22	put it into a regulatory asset account?
23	MS. <u>FREE</u> KOCH: Yes.
24	COMMISSIONER RENDAHL: And then will that
25	amount reduce over time as the even though they are

	Cathy Koch and Susan Free by Commissioner Rendahl
1	not depreciating.
2	MS. FREEKOCH: We would request recovery through
3	amortization of that regulatory asset.
4	COMMISSIONER RENDAHL: Okay. But that has
5	not
6	MS. FREE: That's how it would reduce.
7	COMMISSIONER RENDAHL: That has not been
8	done yet?
9	MS. FREE: No. Because we the AMR system
10	is still needed as we transition. It is still used and
11	useful where it's in service.
12	COMMISSIONER RENDAHL: So once the AMI
13	system is fully in place and you have pulled out the
14	last AMR meter, then you will begin this process?
15	MS. FREE: Yes. I would anticipate it will
16	be something we're looking at in our next rate case.
17	The treatment.
18	COMMISSIONER RENDAHL: Okay. And then for
19	the new AMI meters, what is the depreciable life of
20	those meters?
21	MS. FREE: They are I believe
22	COMMISSIONER RENDAHL: Maybe that's
23	Ms. Koch.
24	MS. FREE: Ms. Koch would understand the
25	design life. Which the depreciable life should be sort

	Catny Roch and Susan Free Roch by Commissioner Rendani
1	of based on. It would be based on industry experience
2	of other companies and it was it would be something
3	that our depreciation witness will support as we do
4	another depression depreciation study.
5	Our last depression depreciation study was done in our
6	2017 general rate case before we had started really
7	fully implementing AMI, so there wasn't a lot for him to
8	study. I'm thinking it's around 15 years.
9	MS. KOCH: The design life for the AMI is 20
LO	years.
L1	COMMISSIONER RENDAHL: Why don't we get a
L2	mic to you.
L3	MS. KOCH: The design life for the AMI
L4	meters and modules are 20 years.
L5	COMMISSIONER RENDAHL: Twenty years. Okay.
L6	Thank you.
L7	CHAIRMAN DANNER: So, Ms. Koch, I wanted to
L8	ask you about the remote disconnect. There's been a lot
L9	of conversation about whether there needs to be a last
20	knock before a disconnect is made. And yet in your
21	business plan you state the company will address remote
22	disconnect but on payment.
23	At the time you made that decision, what was
24	the basis for the assumption that there will not be a
25	last knock?

Susan Cath	y Koch b	y Chairman	Danner
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MS. KOCH: So the business case talked about remote disconnects for move-in and move-outs and delinquent accounts.

But it also recognized that that evaluation needed to be furthered with the -- the work that GTZ was -- was doing. And so more analysis needed to be there.

In all honesty, I would have to -- I would have to look at the spreadsheet to deep dive into whether a last knock was provided.

But it's doubtful that it was, because it's a disconnect. So I think the assumption is that we would eventually get to a place where we understood that providing -- that performing a disconnect was an acceptable activity.

But I think that is in part why that set of benefits needed to be further analyzed because there's a lot of -- there were a lot of things that still needed to be thought out relative to that.

And so -- would you like to add anything more? You are just staring at me.

CHAIRMAN DANNER: For the record, Ms. Koch is looking at Mr. Jacobs.

MS. KOCH: But I think the assumption is -- that it's the possible. There is a possibility to

Susan Cathy Koch by Chairman Danner	
leverage AMI in these manners, and it brings value.	But
clearly that said benefits needed to be further	
evaluated through UTC.	

CHAIRMAN DANNER: One of the concerns I have is if there is no last knock, would there be an increase in the number of customers who would be disconnected compared to the number that would have if there were a last knock. And what is the cost of processing disconnected people to get them back into service.

If there's an increase in bad debt due to more unpaid bills because more people are disconnected, do you intend to seek recovery of those costs?

I mean these are some of the questions that are percolating.

And so it sounds to me like you're still in the thinking mode, but there could be some dollar differences in how you end up.

MS. KOCH: Absolutely. I think the AMI business case was trying to articulate that there are lots of foundational -- as using this foundational technology, there's lots of other things that we can leverage business cases and use cases and maximize the operation of that.

These two particular benefits really did need to be further thought out through GTZ's program.

2.2

Joshua Jacobs by Chairman Danner

And do you want to address some of his concerns? I am passing the microphone to Josh.

MR. JACOBS: Yes. So let me just provide a little bit of context to the transition.

Get To Zero is not part of the AMI meter rollout, but we are part of trying to maximize some of the value streams that you identified. I think you had realtime usage as one of the six value streams.

That's on our roadmap to explore to see how we can present that in realtime for customers on our digital channel so they can track their usage more effectively than -- really what we provide today is one monthly meter read on the website.

So there's certainly room for improvement there. The remote disconnect-reconnect project is part of the Get To Zero roadmap. If it's not in this case, it will be in a subsequent case. And we have been participating in the AMI rulemaking all year long to try and participate in the conversation, certainly, and take back components of the conversation to help inform where we go with a design and functionality of our program.

We certainly recognize that this is a difficult customer experience. It's a difficult employee experience at the same time. We would prefer not to disconnect anybody if we could make that work.

Joshua Jacobs b	y Chairman Danner
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2.2

Unfortunately, if we don't manage this end of the business adequately, there are incremental costs that roll to the rest of our customers, and we've seen increases to our bad debt year over years as we try to manage the prior obligation rules that are in effect today and strike a balance between how many resources, manual resources we -- we throw at this issue versus how we bring automation and efficiency to managing the balance and striking that balance.

CHAIRMAN DANNER: Sure. So, you know, whether or not there is a last knock is really a public policy issue. And yet it's a public policy issue that's going to have cost for the company.

And I'm just trying to figure out what assumptions you're making, because if the assumptions are that there will not be a last knock, obviously some of the things I mentioned there's, you know, truck cost to get people around, and so forth.

But I just wanted to -- to see if you have already made up your mind that there will be no lesslast knock in your economic assumptions or if you have basically hedged or if you have done the two side-by-side analyses.

MR. JACOBS: No. I would -- I would answer that by saying we have taken the feedback from the AMI

Joshua Jacobs by Chairman Danner rulemaking that there will be a component of customers, the most vulnerable customers that there will be a last knock to support those customers.

And I think that the final ruling on how you

And I think that the final ruling on how you define the most vulnerable customers has yet to be included. But that is part of our thinking in how we'll structure what we automate through AMI and what we focus our -- our field resources to help support.

CHAIRMAN DANNER: Okay. But in your economic assessments of AMI so far, you're -- you didn't go one way or the other, but --

MR. JACOBS: So there are two assessments.

So in the AMI business case there is a high level assessment that -- that Cathy's team provided and is part of the Get To Zero initiative.

We have a -- a business case, a corporate spending authorization that does assess the -- the value streams whether there are labor, bad debt, postage associated with this rollout under Get To Zero, and we are incorporating those assumptions into our business case.

CHAIRMAN DANNER: Okay. Thank you.

COMMISSIONER RENDAHL: So I think you can understand why we're a bit confused about the overlap of your programs. But that's not my question.

2.2

Joshua Jacobs by Commissioner Rendahl This question actually might go to Mr. Wappler. See, you didn't come up here for nothing. But it also might be Mr. Jacobs. But it is a question you can decide who gets the mic. So related to the disconnects, is PSE currently conducting remote disconnections with its AMI system that AMI meters that are currently in place with with the rules that we currently have? The last knock. MR. JACOBS: Yes and no. So we have a two-phased approach for the rollout and the functionality for remotely disconnecting and reconnecting customers. Phase I, which was rolled out in October of 2019, was to effectuate it only for move-in and move-outs or for customer-requested disconnects. That helps us manage to the unauthorized energy usage compliance 60-day rule. So we are using it in that scenario. We are not yet using it for delinquent accounts or denning dunning purposes. We would expect that sometime in March of this year and are working towards that timeline.		
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compliance 60-day rule. So we are using it in that scenario. We are not yet using it for delinquent accounts or denning dunning purposes. We would expect that sometime in March of this year and are working towards	16	move-outs or for customer-requested disconnects. That
scenario. We are not yet using it for delinquent accounts or denning dunning purposes. We would expect that sometime in March of this year and are working towards	17	helps us manage to the unauthorized energy usage
We are not yet using it for delinquent accounts or denning dunning purposes. We would expect that sometime in March of this year and are working towards	18	compliance 60-day rule. So we are using it in that
21 accounts or denning dunning purposes. We would expect that 22 sometime in March of this year and are working towards	19	scenario.
sometime in March of this year and are working towards	20	We are not yet using it for delinquent
g a said a s	21	accounts or denning dunning purposes. We would expect that
23 that timeline.	22	sometime in March of this year and are working towards
	23	that timeline.

COMMISSIONER RENDAHL: Okay. And this may

be in one of your exhibits or somebody's exhibits. And

24

	Joshua Jacobs by Commissioner Rendahl
1	if it is, you can let me know. Otherwise, it would be
2	helpful to get it in a bench request response.
3	Do you know how many customers you have
4	remotely disconnected in this fashion in the years 2018
5	and 2019 and to the present?
6	MR. JACOBS: Just for the first phase of the
7	customer initiated move-in or move-out. I don't know
8	that number but we can get that.
9	COMMISSIONER RENDAHL: That would be a bench
LO	request number, I don't know what. Four.
L1	Okay. And now I think this is going to
L2	Mr. Wappler. You did not get spared. Sorry.
L3	So The En g ergy Project in its testimony has a
L4	proposal to create a disconnection reduction plan, and
L5	then I believe that in your testimony, PSE is accepting
L6	that proposal to create that plan and submit it to the
L7	Commission for approval.
L8	Have you given any thought to the timeline
L9	and the process for that? You'll need to move the mic.
20	It is close to you. Thank you.
21	MR. WAPPLER: I have not specifically, in
22	terms of the timeline.
23	The only thing I would add is, I believe, as
24	we think about that, one of the key components should

be: What can we do together to broaden the awareness of

	Andrew Wappler by Commissioner Rendahl
1	the existing aid and help programs that are out that arethere
2	currently underutilized by customers?
3	We are offering folks some things, like,
4	last knock and all that which are very important.
5	But I would like to place real emphasis in
6	this program on the outrage outreach so that the available
7	dollars, which unfortunately often get unused, are used
8	to the maximum. And how we can bring as many customers
9	to the available programs today, and now the new
LO	platform that's available today to prevent people from
L1	getting into that cycle in the first place.
L2	COMMISSIONER RENDAHL: So you think this
L3	would be something for discussion, the low income
L4	advisory group, and then bring forward to the
L5	Commission.
L6	MR. WAPPLER: I think that would be
L7	appropriate.
L8	COMMISSIONER RENDAHL: So on another topic,
L9	in Staff's cross-answering testimony Ms. Liu opposes The
20	Energy Project's proposal to tie PSE's help funding
21	increases to a base rate increase, and instead
22	recommends the Commission increase funding by twice the
23	percentage of the bill increase for or \$1.4 million,
24	whichever is greater.

Are you familiar with that testimony by

	Andrew Wappler by Commissioner Rendahl
1	Ms. Liu?
2	MR. WAPPLER: I am.
3	COMMISSIONER RENDAHL: Ms. Liu further
4	states that funding the health H.E.L.P. increases using a base
5	rate increase would create an inaccurate assessment of
6	actual bill changes and might result in a second
7	increase directly resulting from the ERF.
8	So do you understand her assessment?
9	MR. WAPPLER: I do not fully understand her
10	assessment. I would believe it would make sense to tie
11	it to the base rate increase.
12	COMMISSIONER RENDAHL: Okay. So at this
13	point, speaking for PSE, you would say you would not
14	agree with Ms. Lui's proposal?
15	MR. WAPPLER: That's correct.
16	COMMISSIONER RENDAHL: Okay. Thank you.
17	Maybe you can explain why.
18	MR. WAPPLER: I believe the proposal, as
19	performed by The En <u>ergery</u> Project, made sense to tie it to
20	base rates. Seems like that would be the most related
21	to the amount of bill the customers are facing, and
22	tying available aid to that seems like that would keep
23	those in proportion.
24	COMMISSIONER RENDAHL: Okay. Thank you.
25	JUDGE PEARSON: Thank you.

	Andrew Wappler by Commissioner Rendahl
1	That's all the questions that we have for
2	this panel.
3	At this time we will call the witnesses in
4	the order indicated on the parties' witness lists.
5	Okay. And no party has indicated any
6	cross-examination for David Mills.
7	Are there any additional questions for
8	Mr. Mills from the bench? No.
9	Okay. The next witness is Daniel Doyle from
10	PSE.
11	Just to clarify whether Public Counsel has
12	cross for this witness?
13	MS. GAFKEN: Yes, we do have cross for
14	Mr. Doyle.
15	JUDGE PEARSON: Okay. Thank you.
16	Mr. Doyle, you are already sworn in. We
17	don't need to do that again. You can go ahead and take
18	a seat.
19	And then, Ms. Gafken, you may proceed
20	whenever you're ready.
21	MS. CAMERON-RULKOWSKI: Your Honor, staff
22	also does have cross-examination for Mr. Doyle.
23	JUDGE PEARSON: Okay. Thank you.
24	CROSS-EXAMINATION
25	BY MS. GAFKEN:

		Dan Doyle by Ms. Gafken
1	Q.	Good afternoon, Mr. Doyle.
2	A.	Good afternoon.
3		Is this working? Now it's working.
4	Q.	Generally speaking, normalization is used by
5	regu	lated utilities directly filed to reconcile the tax treatment of
6	acce	lerated depreciation with the regulatory
7	treat	ment; is that correct?
8		And not being a tax expert myself, I'm using
9	very	rudimentary.
10	A.	Can you ask me one more time?
11	Q.	Sure.
12	A.	Thank you.
13	Q.	Generally speaking, normalization is used by
14	regu	lated utilities to reconcile the tax treatment of
15	acce	lerated depreciation with their regulatory
16	treat	ment; is that correct?
17	A.	I don't think that that's an appropriate
18	chara	acteriz <u>ation</u> e of normalization.
19	Q.	Okay. Can you give me the appropriate
20	char	acterization of normalization?
21	A.	I think normalization is a requirement of the
22	IRS	code. There are certain aspects of normalization
23	whicl	n need to follow in the revenue requirements
24	deter	mination for the tax attributes covered by
25	norm	alization. But I don't think it's a reconciling

Da	an Doyle	by Ms	. Ga	fken				
construct.	It's one	where	you	have	rules	and	they	are

2 applied inside of the rate making.

2.2

Q. Okay. I agree that it's an IRS requirement, but is the purpose of it to somehow deal with the utilities' ability to have deferred depreciation and the different treatment that regulated utilities have in terms of their books and the taxes and whatnot?

A. So it really gets to the purpose. I've got several pages in my testimony which talks about the history of normalization and why it exists.

And the normalization rules first and foremost prevent what was a prevailing practice back in the late '50s and the '60s before the initial normalization rules came into effect; whereby, the benefits of accelerated depreciation were passed through two to rate payers in the form of lower rates.

The problem with that treatment is that it created an unintended consequence inside the Treasury Department. Because when Treasury puts together its budget, the Government puts together its budget, it looks at taxable incomes from various sectors: individuals, industries, et cetera. And it didn't count on the utilities using flow-through accounting.

So basically what it did in 1969 is basically said we are going to prohibit flow-through accounting.

	Dan Doyle by Ms. Gafken
1	We are going to require you in your revenue requirements
2	to include deferred taxes on the timing differences
3	between book and tax depreciation, account for them
4	through accumulated deferred taxes and then as they turn
5	around pass them back to rate payers. That is what it
6	is all about.
7	Q. Okay. My next question is really a foundational
8	question.
9	A. Okay.
10	Q. With respect to the protected EDIT amortization
11	for the period of January 1, 2018, through February 28,
12	2019, is it fair to say that PSE believes that the
13	refunds to customers would violate the IRS normalization
14	rules?
15	If we need to, we can refer to your rebuttal
16	testimony at Exhibit DAD-7T, page 26, lines 1 through 3.
17	A. Well, the pause is trying to sort through what
18	angle you're coming at it this from. So there's two
19	ways to look at it.
20	One is, we amortize the excess deferred taxes
21	during that period of time.
22	My testimony says that that was an appropriate
23	refund of those taxes to customers because of the way

If you're talking about capturing those excess

the normalization rules work.

24

	Dan Doyle by Ms. Gafken
1	deferred taxes, recording a new regulatory liability,
2	and then passing those back through rates, that would be
3	a normalization violation.
4	So I don't know which angle you're coming at in
5	your question, Counselor.
6	Q. Well, I'm not coming at it from an angle. I
7	just wanted you to answer the question.
8	May I have a minute to pull up the exhibit?
9	I thought I had it in paper form, but apparently
LO	I need to pull it up in electronic form.
L1	If you could go to Exhibit DAD-7T, page 26,
L2	lines 1 through 3.
L3	A. Can you repeat that, Ms. Gafken?
L 4	Q. Absolutely. Exhibit DAD-7T, page 26, lines 1
L5	through 3.
L6	A. So I have DAD-7TR.
L7	Q. Oh, yes.
L8	So we have to take the negative inference.
L9	There you state that "Unlike Commission Staff, Public
20	Counsel incorrectly asserts that the refund of protected
21	EDIT amortization for the period of January 1, 2018,
22	through February 28, 2019, would not violate the IRS
23	normalization rules."
24	So is it fair to say that you believe that
25	Public Counsel's position with respect to the amounts

	Dan Doyle by Ms. Gafken
1	with that time period would violate the normalization
2	rules?
3	A. Correct.
4	Q. Okay.
5	A. Sorry, I could have worded that a little
6	differently.
7	Q. The IRS has not issued guidance regarding the
8	application of the TCJA normalization requirements;
9	correct?
10	And if you need to, you can refer to Exhibit
11	DAD-17, page 26, lines 16 through 17.
12	A. That is correct. The guidance has not yet been
13	issued.
14	Q. The same IRS normalization rules apply to PSE
15	that also apply to the other Washington investor-owned
16	utilities; correct?
17	A. Correct.
18	Q. Indeed, the same IRS normalization rules apply
19	to PSE that also applies to all of the regulated
20	utilities across the country; correct?
21	A. Correct.
22	Q. Thank you.
23	MS. GAFKEN: I have no further questions for
24	Mr. Doyle.
25	JUDGE PEARSON: Thank you.

	[Dan Doyle by Ms. Cameron-Rulkowski
1		Any redirect for this witness? Okay.
2		Ms. Cameron-Rulkowski.
3		MS. CAMERON-RULKOWSKI: Thank you, Your
4	Hono	r.
5		CROSS-EXAMINATION
6	BY M	S. CAMERON-RULKOWSKI:
7	Q.	Good afternoon, Mr. Doyle.
8	A.	Good afternoon.
9	Q.	I have a few questions for you on excess
10	defer	red income tax.
11	ı	n your rebuttal testimony in Exhibit DAD-7TR
12	you d	liscuss the consistency rule in relation to the pass
13	back	of excess deferred income tax; right?
14	A.	(Witness nods head.)
15	I	do.
16	Q.	Thank you.
17	,	And are you aware of any IRS penalties assessed
18	since	the TCJA was enacted for violation of the
19	consi	stency rule against any utility in conjunction with
20	returi	ning EDIT to rate payers?
21	A.	No. But my testimony is pretty clear that we
22	would	n't have that we wouldn't have that information
23	at this	s point in time for a couple of reasons.
24	1	Number one, we don't have <u>a the</u> guidance. Number
25	two	

		Dan Doyle by Ms. Cameron-Rulkowski
1	Q.	And I understand that.
2		But you're not aware to date that any penalties
3	have	been assessed by the IRS; correct?
4	A.	No. That would come in the future.
5	Q.	Thank you.
6		Can you tell us the initial balance of PSE's
7	EDIT	as of January 1, 2018, the effective date of the
8	TCJ	4?
9	A.	I can get I can get you in the ballpark. I
10	don't	have the exact figures. I think the protected
11	balar	nces were somewhere between 700 and 750 million, and
12	then	the unprotected was somewhere around 130 million
13	and o	change.
14		Mr. Marcelia would have those numbers exactly.
15	Q.	Thank you. Ballpark is fine.
16		Could you repeat the number for protected EDIT,
17	plea	se?
18	A.	Roughly 700 to 750 million.
19	Q.	Thank you.
20		Now, it's the Company's plan at a high level to
21	amo	rtize this whole balance of EDIT over a number of
22	year	s; right?
23	A.	Well, we would amortize them over a number of
24	years	s in concert with the normalization rules.
25	Q.	Understood.

	Dan Doyle by Ms. Cameron-Rulkowski
1	And so we're looking at amortization over
2	several decades; right?
3	A. Yeah, depending on the vintage of property,
4	could be several decades, correct.
5	Q. Thank you.
6	And as EDIT is amortized, is PSE going to pass
7	that EDIT back to rate payers?
8	A. Yes. It will happen through the rate making
9	process.
10	So, for example, when we went through the
11	expedited rate filing, we had rate increase on the
12	electric side, offset, I believe, almost dollar for
13	dollar with the excess deferred taxes and we had a rate
14	increases on the gas side, which was offset by the
15	amortization of excess deferred taxes. Those
16	amortizations will stay in rates until the next time we
17	change base rates.
18	However, on the books of account, timing
19	differences will continue to turn around that are not in
20	rates, and so you won't have perfect synchronization for
21	what's going on in the books and what's going on in
22	rates.
23	Q. Now, you used the term "dollar for dollar."
24	Is PSE going to ultimately pass back the entire

25

EDIT balance dollar for dollar to rate payers?

Dan Doyle by Ms. Cameron-Rulkowski

A. I don't think that that -- I don't think that that can happen unless you have perfect rate making and you change your rates every time the deferred -- the excess deferred -- another vintage of property goes into being fully depreciated, you will never synchronize it up. It's not intended to work that way.

Q. Would there be a way that it could?

A. One way that you could is if every time -- so let me put it in this context.

Staff, I believe, has -- has a proposal on the table which I recommend to the Commission that you not adopt, because I do believe it is a normalization violation where you put a tracker on excessed deferred taxes and every time a new vintage of property goes into turnaround status or reversal status, you then change the rates. You cannot do that unless you change all of the other items that are components of applying the consistency rule. You can't cherry pick that piece out.

So what you could do is -- you could basically set rates, apply the consistency rules, call it once a year, once a quarter, whatever, and change rates. I think that -- that could work.

I don't think that's regulatory practical. It's <u>not</u> practical in a regulatory sense. I just don't think it's practical.

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Dan Doyle by Ms. Cameron-Rulkowski

- Q. So what the Company's proposing means that in between rate cases, when the amortizations happen, the customers would not receive a passback of that added; is that correct?
- A. You're going to need to try that one on me one more time.

Q. Certainly.

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So from what I'm understanding, the -- in between rate cases, as the company amortizes the EDIT, customers would lose out on that EDIT and it would not be passed back to them; is that correct?

A. Perhaps in the early years, but it would reverse in the later years.

So you would be passing back after vintages become fully -- fully depreciated for tax purposes.

And the point I would make here is that what the company is proposing, I believe, is in strict accordance with the normalization rules.

And it is exactly what we did from 1986, the last change in tax rates to now. And it hasn't been an issue. We've been just -- or amortizing these excess deferred taxes back.

There's not perfect synchronization between rates and what's happening on the books. But on average, it's close.

Page: 374

Dan Doyle by Ms. Cameron-Rulkowski

Q. So how does PSE plan to incorporate EDIT amortization into rates?

A. So it basically goes in two components. The average rate assumption method rules require us to amortize those deferred taxes back in rates once each vintage of property becomes fully depreciated for tax purpose. So you start reversing those deferred taxes.

Basically, what will happen is you'll -- you'll set a test year in your next GRC. You'll capture those reversals or amortizations inside of -- of that test year as part of setting the revenue requirement. You will synchronize those amortizations or reversals with current tax expense, deferred tax expense, rate base, and accumulated deferred taxes, set them all in alignment, appropriate with the consistency rules, and then you set rates. And then it stays in effect until you repeat the process.

Q. And under the Company's proposal, how will the Commission be able to tell how much of the amortized EDIT has been returned to rate payers?

A. Well, the way you would have to do -- in order to actually reconcile it to the penny, you basically have to look at the amortizations or the reversals that you basically captured in a test year, follow it while those rates are in effect because that's basically what

Dan Doyle by Ms. Cameron-Rulkowski you're passing back.

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In the meantime, you are going to be reversing additional vintages of -- of property that become fully depreciated for taxes; and then once you're done reversing other vintages, they totally drop out.

So you would have to reconcile what goes on in the books to what you actually captured in rates over time.

I'm not sure I can imagine a circumstance where it comes out exactly to the penny. But what I will tell you is in the earlier years of -- of the process, you'll capture higher levels of amortization and those will carry out as vintages come down. You might over collect a little bit. But toward the end of the process, it reverses and it will average out over time. But it's never going to be to the penny.

- Q. So what -- so could you propose an alternative to Staff's schedule -- well, to -- to Schedule 141X which Staff is -- has discussed in testimony to track the amortized EDIT that has been returned to rate payers?
- A. Well, I think I explained that to you in an earlier question. I'll just refresh your memory on it.
 - Q. Please do.
 - A. So you -- if you really wanted to do this and

Dan Doyle by Ms. Cameron-Rulkowski track it and try to get it as close as you could, you probably would want to basically on an annual basis, quarterly basis, whatever, in between rate cases, reset rates for all the components of the consistency rules.

Okay? Because you can't change the amortization or reversal of deferred taxes and rates unless you capture the other components of the consistency rules. Reset rates, that complies with the normalization rules, and -- and you go forward.

I do think it's -- it's probably a little bit futile, in a sense, or -- and really inefficient at one sense and maybe futile in another, because it's never going to reconcile itself out.

The key thing to remember about all of this is, during the period of January 1 of 2018, when tax rate changes -- right? -- and it was the end of February of 2019 when we actually put the ERF rates into effect and synchronized the consistency rules.

Pretty much any time during that time period if you would have done what I'm talking about, which is basically reset rates for all the components of -- of the consistency rules, you're gonna have an offset that pretty close gets you to zero or you are going to have a rate increase that overtakes that -- that reversal.

That's exactly what happened with the gas rates

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	Dan Doyle by Ms. Cameron-Rulkowski
1	in the ERF in February of 2019, if I got that right.
2	And then there was just almost a dollar for dollar
3	offset on the electric side.
4	So you can go through all these gyrations and
5	you're basically going to just end up with offsets.
6	The rules contemplate the rules contemplate
7	that as you give back these deferred taxes, the IRS does
8	not want its taxable income to come down, so the
9	amortization reduces taxable income to the IRS.
10	The reason that rate base is part of the
11	consistency rules is that rate base grows over time.
12	So as you reset the consistency rules into the
13	future, you're increasing rates on one side while you're
14	decreasing them for the amortization of the excess, and
15	the IRS is held harmless.
16	Q. One last question, Mr. Doyle.
17	Isn't the Company's intent to return as close as
18	possible to every dollar of amortized EDIT to rate
19	payers?
20	A. It's the Company's proposal that we're going to
21	return we are going to return excess deferred taxes
22	consistent with the normalization rules and the timing
23	of our rate cases.
24	Q. And I'm going to ask you again. Sorry, I said

it was one more question. But you didn't quite answer

	Dan Doyle by Ms. Cameron-Rulkowski and Mr. Kuzma
1	it. And so I'll just ask the same question.
2	Is it the intent of PSE to pass back to rate
3	payers as close as possible dollar for dollar the entire
4	amortized EDIT ultimately?
5	A. As close as possible as a proper application of
6	the normalization rules in the context of the timing of
7	our rate changes will allow.
8	MS. CAMERON-RULKOWSKI: No further
9	questions.
LO	Thank you.
L1	JUDGE PEARSON: Thank you.
L2	Any redirect for this witness?
L3	MR. KUZMA: Yes, Your Honor.
L4	REDIRECT EXAMINATION
L5	BY MR. KUZMA:
L6	Q. Mr. Doyle, you had mentioned that excess
L7	deferred income taxes were not going dollar for dollar.
L8	Does plant depreciation and deferred DFIT, which
L9	require similars treatment, it would cover dollar for
20	dollar?
21	A. No, they do not.
22	Q. And so on the dollar for dollar on the EDIT, is
23	that so the rate impact would not necessarily be the
24	dollar for dollar; is that what you were referring to?
25	A Correct

	Dan Doyle by Commissioner Balasbas
1	MR. KUZMA: Thank you. That's all I have.
2	JUDGE PEARSON: Okay. Thank you.
3	COMMISSIONER BALASBAS: So, Mr. Doyle, I'm
4	going to actually ask Ms. Cameron-Rulkowski's question
5	again, and I want a one-word answer. And I want a "yes"
6	or a "no."
7	Is the company planning to return amortized
8	EDIT as close as possible to the dollar to rate payers;
9	yes or no?
10	MR. DOYLE: Yes.
11	COMMISSIONER BALASBAS: Thank you.
12	JUDGE PEARSON: We're just going to talk
13	amongst ourselves for about 30 seconds.
14	(Pause in the proceedings.)
15	JUDGE PEARSON: We're going to take a
16	five-minute recess right now. So we'll be off the
17	record.
18	(A recess was taken from 5:01 p.m. to 5:15 p.m.)
19	JUDGE PEARSON: All right. So we'll be back
20	on the record.
21	And Mr. Marcelia is up and ready to testify.
22	If you would please stand and raise your right hand I
23	will swear you in.
24	MR. MARCELIA: Again?
25	JUDGE PEARSON: Did I swear you in earlier?

	Matt Marcelia by Mr. Pepple
1	MR. MARCELIA: You did.
2	JUDGE PEARSON: Okay. Then never mind.
3	That's right, you are still under oath.
4	And it looks like just Mr. Pepple has
5	questions for Mr. Marcelia.
6	CROSS-EXAMINATION
7	BY MR. PEPPLE:
8	Q. Could you turn to your rebuttal testimony to
9	Exhibit MRM-11T, page 9, please.
10	A. Okay. I'm there.
11	Q. And just to set a little background. So this
12	section of your testimony, this is Section B here,
13	you're responding to AWEC's witness Mr. Mullins'
14	proposal to offset the Colstrip 1 and 2 plant balances
15	with production tax credits that PSE has included in
16	estimated tax payments, but has not yet included on an
17	annual tax filing; correct?
18	A. Correct.
19	Q. And lines 17 through 19 of this page, you argue
20	that Mr. Mullins' proposal is inconsistent with prior
21	Commission orders and settlements addressing how and
22	when PTCs may be utilized.
23	Do you see that?
24	A. That's correct. It is.
25	O And then to the next nage the next O&A starting

Matt Marcelia by Mr. Pepple

- on 3, you discuss these prior orders in settlements that you're talking about.
- A. Yes.

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- Q. And so my understanding of the history of this issue is that PSE used to provide the value of PTCs to customers in the year that they were generated regardless of whether any of those PTCs could actually be used by PTC PSE [verbatim] on its tax returns?
- A. That's right. That was the original treatment back in 2005 to 2010.
- Q. Okay. And so that's -- that's the circumstance that led to the creation of this large deferred tax asset that PSE had is that it was providing value to 14 customers in a year but not getting the same value back from the IRS in the same year?
- 16 A. Yeah. That's correct.
- 17 Q. Okay. And so is it your understanding that 18 Mr. Mullins' proposal is to use PTCs to offset Colstrip 19 plant balances that have not even been used on an 20 estimated tax return?
 - A. The -- the orders and the rules that we're operating under now require that PTCs to be used on the tax return to be monetized; that is the annual tax return. Not the estimates but the annual tax return.
 - Q. Okay. But it seems like there is a difference

Matt	Marcelia	hy Mr	Pennle
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- 1 between what happened before and what Mr. Mullins'
- 2 proposal is -- I guess, in one sense, you would pass the
- 3 | value of PTCs back to customers even if you knew with
- 4 | near certainty that you wouldn't have any tax liability
- 5 at all in a year; correct?
- 6 A. That was the original back in 2005 and 2010,
- ⁷ yes.
- 8 Q. And Mr. Mullins' proposal, as you understand it,
- 9 correct me if I'm wrong, is to use PTCs that you, in
- 10 | fact, estimate you will use on a --
- 11 A. Yes.
- Q. -- and you have used to reduce your estimated
- 13 tax payments?
- 14 A. Yes. In that regard, that is an improvement of
- 15 that situation. But the fundamental issue is still --
- it's an estimate. It's <u>unknowna no</u>. And the value hasn't been
- 17 | established yet.
- 18 Q. Okay. Okay. And so setting aside the -- your
- 19 concerns about the value -- how accurate the value is,
- are you aware of any IRS rule or other requirement that
- would prevent the Commission from recognizing PTCs that
- 22 are -- as being monetized when they are used as an
- 23 estimated -- on an estimated tax return?
- A. The answer to that is there's no IRS rule
- because we're not talking about the PTC itself. We're

	Matt Marcelia by Mr. Pepple
1	talking about the regulatory liability for the PTC. And
2	regulatory liability is fully in their control to do
3	whatever they want to it.
4	We're talking about using it in a way that's
5	appropriate relative to the underlying economics which
6	are focused on the PTCs.
7	So there's two things. There's PTC. There's
8	regulatory reliability liability for PTC.
9	So we have this regulatory liability and we
LO	are the treatment that we're using for the regulatory
L1	reliabilityliability is being determined by what's happening to
L2	the underlying PTC itself.
L3	So once we use that PTC on a tax return, that
L4	means we free up some of this regulatory liability to be
L5	re-classed against the Colstrip investment.
L6	Q. Okay. So, in other words, the Commission has
L7	discretion in this area?
L8	A. Yes.
L9	Q. Okay. And I guess the issue of when PTCs are
20	monetized is is really only a question of timing,
21	right?
22	So, in other words, when PTCs are whether
23	whether PTCs are considered to be monetized when they
24	are included in an estimated tax payment or whether they

are included in an annual return, the total number of

Matt Marcelia by Mr. Pepple

PTCs available to PSE doesn't change; corr	ect?
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A. Well, that's correct. We have a total stack of PTCs.

It is theoretically possible that some of them could expire and become worthless if it were to get out to that time frame. Not really the issue here. But theoretically some of them could expire.

Q. But other than that?

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- A. Other than that; you're right.
- Q. All right. And so, I guess -- so that means that the total value of PTCs that PSE has is known today.

I guess the only uncertainty would be how much interest is applied based on --

A. Yeah. I would say that the total stack of PTCs is known today. But because we haven't gotten any benefit back from the IRS, there is no true benefit.

It is a -- the PTCs that haven't been utilized represent future benefit in our taxes, not current benefit in our taxes.

That's kind of -- that's the crux. So yes, we have this paper asset, which we've gotten no value for, but we will get it once we have taxable income and we're able to use it to reduce the tax payment.

So the value of the PTC comes when it is

	Matt Marcelia by Mr. Pepple
1	actually used to reduce a tax payment.
2	Q. Right. So although, to be clear on that, you
3	did use PTCs in your last tax return. So some of them
4	have actually
5	A. That's right.
6	Q been monetized in that?
7	A. That's right.
8	Q. So, I guess, assuming that you know the
9	unrecovered investment for Colstrip Units 1 and 2 with a
10	reasonable degree of certainty, you can also identify
11	with reasonable accuracy how many how much of the
12	value of your PTC stack would be available to offset any
13	unrecovered plant ballots balance for Units 3 and 4 when those
14	are eventually out of rates; is that would you agree
15	with that?
16	A. I would agree with that.
17	But in terms of setting rates, we don't usually
18	use these estimates and projections to do that.
19	Usually, it's like a known and measurable. So these are
20	estimates. Right? Estimated Colstrip balance at
21	closure. Estimate of PTCs that are available to use. A
22	lot of estimates.
23	Typically we want known <u>and</u> measurable. But, yeah,
24	we have estimates. Lots of them.

Q. Right. But -- but it sounds like you can get

	Matt Marcelia by Mr. Pepple
1	pretty close to an
2	A. Close but still an estimate.
3	Q. Yes. Okay.
4	A. Right?
5	Q. Okay. And were you in the room just one
6	other question.
7	Were you in the room when I was cross-examining
8	Ms. Free?
9	A. Yes, I was.
10	Q. Okay. And did you hear how she wantonly threw
11	you under the bus?
12	A. I did. Susan Free is my friend. She meant it
13	nicely.
14	Q. So I'll ask you the question that she deferred
15	to you which is why there is EDIT associated with
16	monetized PTCs?
17	A. That is a great question.
18	So it starts back in the day, when we created
19	the PTC the PTCs are generated. At that point in
20	time so this goes back when the wind farms were first
21	placed in service because direct PTCs over the first
22	ten years of the wind farm.
23	And so we recorded those PTCs as a deferred tax
24	asset because it's a tax credit that we're entitled to.
25	When we do that, we create a regulatory

	Matt Marcelia by Mr. Pepple
1	liability at that point in time.
2	The creation of the regulatory liability, when
3	the PTCs are generated, triggers a deferred tax asset as
4	an offset. Okay?
5	So our whole stack of our whole regulatory
6	liability for PTCs has a deferred tax asset against
7	them. All right?
8	Q. So that can I interrupt you for a second?
9	A. Sure.
LO	Q. That remains true even though you were passing
L1	the value of PTCs back to the customers?
L2	A. Yes. Yes. Because the regulatory liability is
L3	attached sorry, the deferred tax asset that we're
L4	talking about is attached to the regulatory liability
L5	for the PTCs. Okay?
L6	So when the PTCs are monetized so, for
L7	example, we monetize the amount that's being applied
L8	against Colstrip 1 and 2. We took part of that
L9	regulatory liability of the whole balance and it got
20	re-classed over to offset the Colstrip plant. When we
21	re-classed it over there, its deferred tax asset went
22	with it. Okay?
23	Q. Can I interrupt you one more time?
24	A. Sure.
25	Q. When you say you you used it to offset the

Matt Marcelia by Mr. Pepple

plant balance,	you're s	peaking in	hypothet	icals; right?
	,			

A. It's recorded gross, so the plant balance is still there and this reg liability for the PTC, it's still there.

But because we are calculating the interest component against that, because obviously the -- the Colstrip balance is in rates, it is part of rate base.

We monetized this -- this amount for PTC when we filed the 2018 tax return. That occurred after rates were set. And so we're charging interest on that. Kind of the carrying cost. So that basically we're offsetting the Colstrip balance for with the regulatory liability for the PTCs, in essence.

When we did that, we moved the regulatory liabilities for the PTCs that had been monetized. We moved that out of the big bucket into a little bucket. And when we did that movement, the regulatory -- I'm sorry, the deferred tax asset needs to slide over with it.

Because at the end of time, we're going to take the Colstrip plant and the reg liabilities of PTCs and we'll merge them together, and then we'll take the -- the deferred tax asset that's all in the PTCs and the deferred tax liability that's on the Colstrip plant, merge those together.

	Matt Marcelia by Mr. Pepple
1	So it will all come together. Right? All
2	the deferred taxes will have an offsetting effect. The
3	plant will have an offsetting effect.
4	Does that make sense?
5	Q. It makes sense enough, I think.
6	A. Okay.
7	Q. That was my worst grade in law school, was tax.
8	All right. Those are all my questions. Thank
9	you.
10	JUDGE PEARSON: Any redirect?
11	MR. KUZMA: No, Your Honor.
12	JUDGE PEARSON: Okay. Do any other parties
13	have questions for this witness? No.
14	And there is a question from Commissioner
15	Balasbas.
16	COMMISSIONER BALASBAS: All right. Good
17	evening, Mr. Marcelia.
18	MR. MARCELIA: Good evening.
19	COMMISSIONER BALASBAS: So in the 2017
20	Avista general rate case, they estimated that their
21	protected plus EDIT amortization period under the
22	average rate assumption method average rate
23	assumption method was 36 years.
24	Has under so under the average rate
25	assumption method, what would be PSE's amortization

	Matt Marcelia by Commissioner Balasbas
1	timeline?
2	MR. MARCELIA: I don't know exactly it
3	would be in the ballpark of 36 years, something like
4	that. It depends on how long take the book life of
5	the longest asset that we have, and that's kind of
6	what that's the longest.
7	But it ebbs and flows. It's not a constant,
8	you know, X million dollars every year. It flows
9	because assets enter reversal, and so it's it will be
10	a long period. So 36 years is probably ballpark.
11	COMMISSIONER BALASBAS: I would like to make
12	a bench request for the best estimate that you have
13	under the average rate assumption.
14	MR. MARCELIA: Okay.
15	COMMISSIONER BALASBAS: That's it.
16	JUDGE PEARSON: That's it. Okay.
17	You're excused. Thank you.
18	MR. MARCELIA: Can I make a correction to
19	something my CFO said? Is that legal? I'm just asking.
20	JUDGE PEARSON: That's fine. Go ahead.
21	MR. MARCELIA: So the one of the
22	questions you asked was the final question you asked
23	a yes-or-no question. And I wanted to clarify
24	something.
25	So there's also a question about

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Matt Marcelia by Commissioner Balasbas dollar-for-dollar return of the excess deferred taxes.

So to be clear, the excess deferred taxes will be amortized dollar to dollar to the penny. And we can tell you that exact number at any point in time you would like to know, because we have software that tracks all of this. So that answer is "yes."

The issue as to whether -- how that goes into rate. That's a rate-making question. And rate-making questions are inherently messy because there's not practically a dollar-for-dollar return of anything.

So, if you recall, excessed deferred taxes are reversed because of book depreciation expense. And so there's a correlation.

If book's depreciation on an asset ceases for some reason, the excess deferred tax ceases to reverse because it is caused by book depreciation.

So then if you look at how do you recover book depreciation and rates? Do we recover it dollar for dollar? No, we don't recover it dollar for dollar, because there's -- there's different timing involved as to when an asset actually goes into rates.

So as a result, the excess deferred tax will have that same lumpiness when it goes into rates so that there's two elements. There's the amortization which

Matt Marcelia by Commissioner Balasbas 1 will occur dollar for dollar just like it does for book 2 depreciation. But then when you set rates on a 3 historical test, you go: What depreciation incurred in 4 my historical test year? That's what's going to be set 5 into rates. 6 What excess deferred tax reversed during a 7 historical test year? That's what's going to be set 8 into rates. Will it all equal dollar for dollar? 10

Probably not. But it will be reversed dollar for dollar because assets get depreciated to zero. Excess deferred taxes will reverse to zero. But rate making will occur whenever rate making occurs using whatever rate-making techniques are permissible.

So I wanted to kind of clarify that because there's two elements. And the consistency requirement is such -- which Mr. Doyle was referring to -- such that however you treat book depreciation is how you would treat EDIT, or however you treat rate basis base is how you would treat the accumulated deferred income taxes.

All those things need to be treated the same in a rate-making context. In addition to how we're doing --

Your question about ARAM is about the length of time things will be amortized. That covers the time

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	Matt Marcelia by Ms. Cameron-Rulkowski
1	that the excess deferred will be put into tax expense.
2	That tax expense will then go into cost of service for
3	some period, and that will then come into a rate case.
4	Perhaps this one. Perhaps another one.
5	But it will it is then available once
6	it hits tax expense, it's available for rate making.
7	And so you will set rates based on that.
8	But excess deferred tax isn't available to
9	just be have its own amortization because it's a tax.
LO	It's a tax on something. This is being driven by book
L1	depreciation expense.
L2	So I wanted to kind of clarify a little bit.
L3	Hopefully that helped.
L4	MS. CAMERON-RULKOWSKI: Your Honor, could I
L5	please ask Mr. Marcelia a cross question, based on what
L6	he has just said?
L7	JUDGE PEARSON: That's fine.
L8	CROSS-EXAMINATION
L9	BY MS. CAMERON-RULKOWSKI:
20	Q. Mr. Marcelia, one question. I hope.
21	EDIT is made up of entirely of dollars
22	collected from rate payers; correct?
23	A. Through the rate-making process.
24	Q. Thank you. I have no further questions.
25	Δ Okay

	Susan Free by Commissioner Balasbas
1	JUDGE PEARSON: Thank you.
2	Okay. And at this time we would like to
3	call Ms. Free back up because we do have another
4	question from the bench for her.
5	COMMISSIONER BALASBAS: Good evening,
6	Ms. Free. Keeping on the EDIT theme.
7	Would you please turn to your Exhibit
8	SEF-26?
9	MS. FREE: I'm there.
10	COMMISSIONER BALASBAS: I just want to
11	confirm is that on line 34 of this exhibit.
12	So is this demonstrating that PSE's books of
13	account includes EDIT in a regulatory liability account?
14	MS. FREE: That is for GAAP purposes. It is
15	in a regulatory liability account.
16	COMMISSIONER BALASBAS: Okay. Thank you.
17	JUDGE PEARSON: Thank you.
18	Okay. And, Ms. Gafken, the time estimate
19	shows here you have questions for Mr. Hunt; is that
20	correct?
21	MS. GAFKEN: I do.
22	JUDGE PEARSON: Okay. So, Mr. Hunt, if you
23	could please approach the witness table.
24	MS. GAFKEN: My cross might go a tad bit
25	more than 15 minutes, but I don't think it will go too

	Thomas Hunt by Ms. Gafken		
1	much longer.		
2	JUDGE PEARSON: Please raise your right		
3	hand.		
4	(Sworn)		
5	JUDGE PEARSON: Please be seated.		
6	CROSS-EXAMINATION		
7	BY MS. GAFKEN:		
8	Q. Good evening, Mr. Hunt.		
9	A. Hi.		
10	Q. Would you please turn to your Exhibit TMH-7 and		
11	go to page 1?		
12	A. Okay. Yes, I'm there.		
13	Q. Toward the bottom of the page there's a chart		
14	entitled "Short-term incentive plan."		
15	With respect to PSE's shorte-term incentive plan,		
16	eating meeting 90 percent of EBIDTA, E-B-I-D-T-A, is a threshold		
17	for payment of an incentive; correct?		
18	A. That's one of the two thresholds for payment.		
19	Q. And the other finding funding threshold is achieving at		
20	least six out of ten operational goals; correct?		
21	A. That's safety and SQI, yes.		
22	Q. Is it accurate to call them operational goals?		
23	I did that as a shorthand in my questions, but I		
24	do understand that it's SQI and safety goals.		
25	A. Probably quality and reliability as a shorthand		

	Thomas Hunt by Ms. Gafken				
1	rather than "operational."				
2	JUDGE PEARSON: Ms. Gafken, can I get a page				
3	number? Sorry.				
4	MS. GAFKEN: Sorry. We're still looking at				
5	page 1 of Exhibit TMH-7.				
6	JUDGE PEARSON: Okay. Thank you.				
7	BY MS. GAFKEN:				
8	Q. I'm sorry, Mr. Hunt, you took some exception				
9	with my shorthand of "operational goals."				
10	Could you give me the term that you would rather				
11	hear?				
12	A. Customer service and reliability.				
13	Q. If PSE achieves at least six-out-of-ten customer				
14	service and reliability goals and achieved at least				
15	90 percent of EBIDTA, incentives are paid under the				
16	plan; correct?				
17	A. Yes.				
18	Q. And financial goals are capped at lower				
19	performance levels for the customer service and				
20	reliability goals but are also reduced for financial				
21	performance below 100 percent EBIDTA?				
22	A. I'm sorry. I'm not sure I followed your				
23	question.				
24	Q. We'll try it again.				
25	So financial goals are canned at lower				

	Thomas Hunt by Ms. Gafken			
1	performance levels for the customer service and			
2	reliability goals, but they are also reduced for			
3	financial performance below 100 percent EBIDTA; correct?			
4	A. Yes, that's correct.			
5	Q. Would you please turn to cross Exhibit TMH-10X.			
6	A. Could you let me know which of the data requests			
7	numbers that is?			
8	Q. Sure. So cross Exhibit TMH-10X is a copy of PSE			
9	response to Public Counsel data request to number 278.			
LO	A. Okay. I have it.			
L1	Q. In subsection B, the response says that PSE has			
L2	met both of the funding thresholds in the past ten-year			
L3	period; correct?			
L4	A. That's correct. Each year both thresholds were			
L5	met for each of the ten years.			
L6	Q. And, in particular, there has been no year in			
L7	the past ten-year period where PSE has not achieved at			
L8	least six of the customer service and reliability goals;			
L9	correct?			
20	A. Correct.			
21	Q. Would you please turn to cross Exhibit TMH-12X,			
22	which is a copy of Puget Sound Energy's response to			
23	Public Counsel data request 281.			

Q. The chart provided in the response shows PSE's

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A. Okay. I have it.

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	I nomas Hunt by Ms. Garken
1	two threshold results over the past ten-year period;
2	correct?
3	A. That's correct.
4	Q. Now, would you please turn to cross Exhibit
5	TMH-11X, which is a copy of Puget Sound Energy's
6	response to Public Counsel data request 279.
7	A. Okay.
8	Q. The response says that performance of EBIDTA
9	below the funding threshold could still result in a
10	payment of incentives if low performance was caused by
L1	extenuating circumstances; correct?
12	A. Yeah. Yes. The the data request asked a
13	hypothetical question.
14	One, that hasn't occurred. But in that
15	hypothetical situation it's possible that the plans
16	still could fund if if the CEO used that rule that
17	said there were some extenuating circumstances.
18	Q. By that rule, you're talking about Rule 8 that
19	is set out in the response?
20	A. Correct. That's that is an abstract from the
21	plan document which was also shared as as my exhibit
22	TMH-7, that we were looking at. That same one. The
23	rules are shown on page 5 of that Exhibit TMH-7 has 14
24	different rules, many of which are just to clarify for

employees how the plan would work.

Thomas	Hunt	by	Ms.	Gafken
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- Q. Would you please turn to your rebuttal testimony which is Exhibit TMH-8T. And please go to page 5, lines 18 through 19.
- A. Okay.

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- Q. There -- there you state that you did not find examples of other utilities with dual funding thresholds and a funding table like PSE's when reviewing the example cited by Public Counsel witness Mr. Garrett; correct?
- 10 A. Correct.
 - Q. The examples used by Mr. Garrett included
 American Electric Power, Southwestern Public Service
 Company, CenterPoint, and Entergy; correct?
 - A. I don't remember all the names, but if you say they were included, I would not be surprised.
 - Q. I should have asked earlier. I can provide a copy of Mr. Garrett's testimony. I don't think it will be necessary to go through pages of his testimony. But I suppose that's something that could be accepted subject to check. To make sure that I didn't misstate them, if you so choose.
- MS. CARSON: Well, I would say that

 Mr. Garrett's testimony says what it says. And if -- if

 we need to verify it. If Mr. Hunt needs to verify it,

 he can. I'm not sure that needs to be done here.

	Thomas Hunt by Ms. Gafken
1	MS. GAFKEN: Okay.
2	BY MS. GAFKEN:
3	Q. Mr. Hunt, have you studied the short-term
4	incentive plan of American Electric Power?
5	A. I'm not sure that I've studied it.
6	We did review the the report from
7	Mr. Garrett's that was included in the data request
8	and is an exhibit in my TMH-9.
9	Q. Did you review the plan from the company?
10	Let me clarify that question.
11	Did you review the short-term incentive plan
12	that American Electric Power has?
13	A. I don't recall reviewing the entire plan. But
14	I
15	Q. Okay. Have you studied the short-term incentive
16	plan of CenterPoint?
17	A. No.
18	Q. Have you reviewed the short-term incentive plan
19	of Southwestern Public Service Company?
20	A. I don't recall.
21	Q. Let me ask you this question.
22	Do you recall that Southwestern Public Service
23	Company's plan is based on both financial and
24	operational measures?
25	A. I'm I'm aware of other plans that have more

	Thomas Hunt by Ms. Gafken
1	than one measure, but not that have a matrix where the
2	two measures are tied together like PSE's plan.
3	Q. Have you studied the short-term intensive plan
4	of Entergy?
5	A. When you say "studied," that's there's
6	information about the plans in some of the the SEC
7	materials that companies share. But I haven't studied
8	it in in a sense of having extensively looked at it.
9	MR. KUZMA: Your Honor, if I could ask a
LO	clarifying question?
L1	I'm assuming you're referring to Entergy
L2	Arkansas, the one that was mentioned by Mr. Garrett's
L3	Entergy has multiple companies.
L4	MS. GAFKEN: That's correct.
L5	MR. KUZMA: Okay.
L6	MS. GAFKEN: Thank you for that
L7	clarification. I didn't include the states in my
L8	questions. But that is correct, it is Entergy Arkansas.
L9	Okay. I think that concludes my questions
20	for Mr. Hunt.
21	JUDGE PEARSON: Okay. Thank you.
22	Any redirect?
23	MS. CARSON: Yes, Your Honor.
24	REDIRECT EXAMINATION
25	BY MS. CARSON:

- Q. Mr. Hunt, you've talked about -- you did not necessarily study these plans but you've reviewed them and you reviewed Mr. Garrett's report; is that right?
- A. I certainly have reviewed Mr. Garrett's report and looked at other -- some of the cases that were mentioned in the report.
- Q. And you -- you distinguished that Puget's is different from others that -- that have -- may look at both financial and other metrics.

Can you just elaborate on that?

- A. Sure. So that's -- it's still my understanding is that our -- our plan which has the matrix of funding as shown -- like we looked at on page 1. It ties into measures together in a way that you have to accomplish both at certain instances. That's separate -- you can have other plans with more than one measure, but that -- that was what I was saying was unique about our plan, that it looks at both of them together.
- And then, as well, it limits funding for -- if the performance on the SQI and safety is not above 8 out of 10, it limits the funding. Doesn't matter what happens with the financial measure. There's a limit on the funding for the -- for the overall plan. And I don't believe I've seen other -- any other plan that does it that way.

	Thomas Hunt by Chairman Danner
1	MS. CARSON: Thank you. No further
2	questions.
3	JUDGE PEARSON: Thank you.
4	Any questions from the bench?
5	CHAIRMAN DANNER: I would like a little
6	clarification. You know, I'm I read the testimony
7	it's still unclear to me which of these factors
8	predominantly even though you've got 14 factors
9	listed. It's SQI, safety, and financial performance.
10	How do is it is it a soup where it is
11	just sort of discretionary how you allot those? Or what
12	is the formula?
13	MR. HUNT: So I think it's probably easiest
14	to look back at page 1 of the testimony TMH-7.
15	The measures are really grouped into two
16	buckets. One is the EBIDTA that you see horizontally;
17	and then the second is safety in and SQI results which are
18	the SQIs that the Commission that PSE has been
19	fulfilling and reporting on based on the Commission
20	having implemented them in the the merger rate case
21	of Puget 's p Power and Washington Natural Gas.
22	And so if all nine SQIs and the safety
23	measures are met, then that's 10 out of 10. You miss
24	any one, that makes 9 out of 10.
25	So in as it relates to that vertical

	Thomas Hunt by Chairman Danner
1	measure, they are all treated the same in that you miss
2	one, you drop one row down. You miss two, you drop a
3	second row down.
4	CHAIRMAN DANNER: One of the factors stated,
5	as I recall, the CEO has the discretion to change the
6	allotments among departments?
7	MR. HUNT: So that that is theoretically
8	possible if one department has performed extremely well.
9	The the funding based on the targets might be lower
LO	there, but the CEO could move, and really the
L1	management
L2	CHAIRMAN DANNER: And that's just a
L3	subjective determination?
L4	MR. HUNT: Correct. Yep.
L5	CHAIRMAN DANNER: Okay. Thank you.
L6	JUDGE PEARSON: Okay. Thank you.
L7	Okay. So AWEC has waived cross for
L8	Mr. Henderson, but we do have some questions from the
L9	bench. If he could come up. Raise your right hand.
20	(Sworn)
21	JUDGE PEARSON: Please be seated.
22	COMMISSIONER RENDAHL: Good evening,
23	Mr. Henderson. It is evening and, yes, there's a
24	spotlight on you.
25	MR_HENDERSON: It is even brighter

Page: 405

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COMMISSIONER RENDAHL: So the questions I'm going to ask are about the Tacoma LNGL+G project, and the distribution systems upgrades.

So, as I understand from your testimony, your rebuttal testimony, you're accepting Staff's alternative recommendation to defer the costs associated with what you've referred to as "upgrade number one," the four miles of new piping connecting the LNGL+G facility to PSE's natural gas distribution system. And upgrade three, which are upgrades to the Frederickson Gate

Is that a correct summary of your testimony? If not, please explain.

MR. HENDERSON: So I think what I tried to convey in the testimony is we still believe that the upgrades one and three should be included in this rate case. We believe that they are used and useful. But as an alternative, we would accept a deferral mechanism as a way to proceed or settle, settle on this case.

COMMISSIONER RENDAHL: Okay. So, I guess, regardless of whichever proposal we accept. You are familiar with the terms of the settlement agreement and the Tacoma LNGL+G facility in docket UG-151663 that applied a cost allocation, an allocation of cost to the plant?

MR. HENDERSON: Not in great detail, I must

	Duane Henderson by Commissioner Rendahl
1	admit.
2	COMMISSIONER RENDAHL: I have a copy that I
3	can give to you.
4	Are you familiar that the fact that there is
5	an allocation of costs to PSE and to the PSE LNGL+G
6	MR. HENDERSON: And to the plant, yes.
7	COMMISSIONER RENDAHL: So regardless of
8	whether there's a deferral or whether it applies to
9	rates for these two for upgrade number one and
10	upgrade number three, is the Company intending to apply
11	the common cost allocator that the Commission approved
12	as a part of that settlement agreement?
13	Or if you're not the right witness, who
14	would be the right witness for that?
15	MR. HENDERSON: I'm not sure I am the right
16	witness. It would be the
17	COMMISSIONER RENDAHL: Looks like Ms. Free
18	is coming up again.
19	MS. FREE: May I approach?
20	JUDGE PEARSON: You may.
21	MS. FREE: Look, another panel.
22	COMMISSIONER RENDAHL: We're just having so
23	much fun.
24	Do you understand my question?
25	MS. FREE: I do understand your question.

	Susan Free by Commissioner Rendahl
1	This is like my third strike because I don't
2	know the answer, but I think we could get it to you in a
3	bench request.
4	COMMISSIONER RENDAHL: Okay. So the bench
5	request would be, just to be clear, whether this is
6	included in rates or as a deferral for upgrade number
7	one and upgrade number three whether the company would
8	be applying the common cost allocator to those two
9	upgrades.
10	Is that clear?
11	MS. FREE: That makes sense.
12	COMMISSIONER RENDAHL: Okay. Thank you.
13	That's bench request number
14	JUDGE PEARSON: Six.
15	COMMISSIONER RENDAHL: 6. Thank you.
16	So, Mr. Henderson, that's all I had. You
17	got, you know, your lifeline there.
18	Oh, I'm sorry. You're not released yet.
19	Somebody has a question of you.
20	COMMISSIONER BALASBAS: Almost,
21	Mr. Henderson.
22	So, Mr. Henderson, for upgrades one and
23	three, you mentioned in your testimony that they are in
24	service today; is that correct?
25	MR_HENDERSON: That is correct

Duane	Henderson	bv	Commissioner	Balasbas
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COMMISSIONER BALASBAS: Could you describe in more detail how you believe those upgrades are used and useful for your customers today?

MR. HENDERSON: So again, they are in service. Upgrade three might be the easier one to explain, which was primarily upsizing of a gate station on our South Tacoma supply system.

I think as I mentioned in my -- my testimony
that -- that South Tacoma supply system not only -- once
we interconnect with upgrade two being installed,
supplies a high growth area from Tacoma southward down
through JBLM and the DuPont area, a very high growth
area.

Once that increase in the gate station capacitybilities was installed, we actually saw that the flow from that gate station exceeded the design flow of the previous gate station. The gate station before those upgrades were in effect.

So there, I think, is a clear example where the existing customers are benefitting from that.

In the case of the four mile -- the upgrade number one, which is the four mile pipeline that goes -- extends to the plant location.

As I said, it is currently in service. It is capable of being used. Even though the customer

	Duane Henderson by Chairman Danner	
1	there isn't ready to receive receive the gas because	
2	of delays on the plant construction and we believe that	
3	it meets those requirements of its in_service and is	
4	capable of being used.	
5	CHAIRMAN DANNER: So it's capable of taking	
6	product to and from the L+GLNG facility that's not in	
7	service. So yet you're saying it is in service.	
8	MR. HENDERSON: Well, it's connected to the	
9	gas system. It is pressurized today. And so as soon as	
10	that customer is ready to either receive gas or put gas	
11	back into the system, it's it's available and ready	
12	to go.	
13	CHAIRMAN DANNER: Okay. Thank you.	
14	JUDGE PEARSON: Okay. Thank you. The	
15	next yes, you are excused.	
16	And Paul Wetherbee is our next witness.	
17	Please raise your right hand.	
18	(Sworn)	
19	JUDGE PEARSON: Okay. Please be seated.	
20	Looks like just Staff has questions for Mr. Wetherbee.	
21	CROSS-EXAMINATION	
22	BY MS. CAMERON-RULKOWSKI:	
23	Q. Good evening, Mr. Wetherbee.	
24	A. Good evening.	
25	Q. I would like to discuss hydro data in power cost	

Paul Wetherbee by Ms. Cameron-Rulkowski 1 modeling. A. Okay. 2 Q. PSE uses the AURORA model to forecast power 3 costs: correct? 4 A. Yes. 5 Q. And one of the inputs into the model is hydropower generation; right? 7 A. Yes. Q. Historically, PSE would run the model for each year of hydro data; right? 10 A. Mm-hmm. 11 Q. And that data now totals 80 years' worth; 12 13 correct? A. Yes. That's right. 14 Q. Now, in this case, PSE is proposing that it use 15 a single average of hydro generation from those years of 16 hydro data instead of running the model for each of 17 those years and generating an average from those model 18 runs; correct? 19 2.0 A. That's right. Q. In your rebuttal testimony, you discuss the 21 hydro capacity logic in the AURORA model and raise the 22 issue that running AURORA results in violation of a 23 capacity constraints; correct? 24

A. That's correct.

	P	aul Wetnerbee by Ms. Cameron-Rulkowski		
1	Q.	Would you say that overall AURORA software		
2	prod	uces accurate results despite the fact that it may		
3	occa	sionally violate the minimum and capacity		
4	restr	aints?		
5	A.	I think that's generally that's right. But		
6	we do quantify in our rebuttal that there's an			
7	unde	restimate of the power cost.		
8	Q.	And, actually, I'm going there. You note on		
9	you	can refer to it if you need to.		
10	You note on page 7 of of your rebuttal, which			
11	is Ex	hibit PKW-34CT.		
12	A.	I'm sorry.		
13	Q.	So that's page 7.		
14	A.	Thank you.		
15	Q.	At lines 9 to 10.		
16	A.	Okay. Thank you.		
17	Q.	Now, you note there that, on average, a capacity		
18	constraint was violated 1.7 percent of total hours;			
19	right	?		
20	A.	That's right.		
21	Q.	Do you believe AURORA's hydro capacity violation		
22	rate of 1.7 percent is a valid reason for the single run			
23	that	PSE is proposing?		
24	A.	I would agree that that's that's small.		
25	However, it also you get additional benefits with			

	Paul Wetherbee by Ms. Cameron-Rulkowski		
1	going with a simplified approach.		
2	One, you remove somebody some of the out out of model		
3	analysis that we had to do and we were able to		
4	consolidate into one model. Open model system.		
5	It also improves the efficiency of running the		
6	model system.		
7	Q. Now, do you think that the difference in power		
8	costs using the 80 runs that Staff is suggesting versus		
9	a single run is entirely due to AURORA's high-capacity		
10	violations?		
11	A. No. There's there's other factors going in		
12	the model analysis for that.		
13	Q. And do you have can you provide the dollar		
14	impact of the of all of the capacity violations in		
15	that series of the 80 runs?		
16	A. I don't have that off the top of my head.		
17	Q. Are you aware are you aware of any ways that		
18	PSE can prevent AURORA from violating the maximum hydro		
19	capacity?		
20	A. In the current piece of software that we're		
21	using, it's and we've researched it and talked with		
22	the folks that make AURORA and there's we can't do		
23	that right with the current system we cannot.		
24	With the new version that comes out, we do		
25	understand there will be a workaround to this problem.		

	Paul Wetherbee by Ms. Cameron-Rulkowski	
1	Q. And when does that new version come out?	
2	A. I do not know.	
3	Q. Now, you were in a couple of answers back,	
4	you you were alluding to the two-zone run that PSE is	
5	proposing, and this involves running the model twice.	
6	Is that right?	
7	A. That's right.	
8	Q. All right. And this means running the model	
9	once to get the projected power costs and then	
10	ultimately to to actually get the forecasted power	
11	costs; is that right?	
12	A. No. The first one is to establish the market	
13	price.	
14	Q. Right.	
15	A. And it is a WEC-wide system.	
16	And the second run is just with the PSE system	
17	using that first run input to establish PSE's power	
18	costs.	
19	Q. That's what I thought I said, but thank you for	
20	clarifying.	
21	Now, you were talking about efficiencies. It's	
22	possible you when you were just talking about	
23	efficiencies, and I think you were talking about with	
24	a two-zone run having to run the model twice for each of	
25	the data vears. Is is that right?	

Paul Wetherbee b	y Ms. Cameron-Rulkowski
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Λ	Vac
\boldsymbol{A}	Yes

- Q. All right. Is it possible, however, to use a spreadsheet at the end of the 80 model runs that staff is proposing instead of using the model a second time with each run to calculate the rate your power costs?
- A. Right. That's what we were trying to avoid was use the -- the capacity of the model to -- to calculate some of these contingency reserves type costs which you get at with the two-zone model.

So instead of just doing one run, the old way was to do 80 runs, run through spreadsheets to average -- you know, create one average from those outputs.

- Q. And so what I'm getting at is -- if the company used the spreadsheet, it would be 80 runs and not 160 runs; correct?
- A. It would be 160 runs, because you would have to run it twice for each of the different years.
- Q. Now, if you used the spreadsheet, however, then you would only have to run it -- you wouldn't have to run the model twice for each of the -- each of the hydro years; right?
- A. I'm tracking you. So your assumption -- so the answer to that would be "yes." If you did not also use the model to calculate some of the contingency reserve

	Paul Wetherbee by Chairman Danner
1	to calculate cost. So you would go all the way back to
2	the old way.
3	MS. CAMERON-RULKOWSKI: Thank you. That's
4	all my questions.
5	JUDGE PEARSON: Okay. Any redirect?
6	MR. KUZMA: No, Your Honor.
7	JUDGE PEARSON: Okay. Thank you.
8	Questions from the bench?
9	CHAIRMAN DANNER: Yeah, I have a question.
LO	Mr. Wetherbee, in your rebuttal testimony
L1	you write that the wind turbines have achieved an
L2	availability score, which you say is a measure of their
L3	readiness to produce power, and that score is 97 to
L4	99 percent.
L5	I was wondering if you could explain that
L6	score in how it's derived, what the criteria are,
L7	et cetera.
L8	MR. WETHERBEE: Boy. A a within the
L9	operations piece so we've queried our options group
20	and the wind group to pull together that information on
21	the availability.
22	I would have to check with with my
23	colleague, Ron Roberts, on the internal the
24	calculation of that number.
25	CHAIRMAN DANNER: Okay. Maybe that is a

	William Einstein by Commissioner Rendahl
1	bench request as well.
2	JUDGE PEARSON: Number 7.
3	CHAIRMAN DANNER: All right. Thank you.
4	JUDGE PEARSON: Okay. I believe that's it.
5	You are excused.
6	And the next witness is William Einstein. I
7	believe we have bench questions for Mr. Einstein.
8	Raise your right hand.
9	(Sworn)
10	JUDGE PEARSON: Please be seated.
11	COMMISSIONER RENDAHL: Good evening,
12	Mr. Weinstein Mr. Einstein. Excuse me. It's been a
13	long hearing. Long day.
14	Okay. So related to the water heater rental
15	program.
16	MR. EINSTEIN: Yes.
17	COMMISSIONER RENDAHL: Okay. So I
18	understand from the testimony you expect a sale on the
19	water heater rental program to close after the
20	conclusion of this rate case unless you have new
21	information today.
22	MR. EINSTEIN: Yes, it will conclude after.
23	We're still in the process of negotiating
24	the the final details of the sale with the proposed
25	buyer, and then the we expect that it would close.

	William Einstein by Commissioner Rendahl
1	yes, I believe after that.
2	COMMISSIONER RENDAHL: Okay. So in that
3	case, how and when does the company propose handling the
4	outstanding negative reserve of approximately \$4688,000
5	associated with the amortization of unrecovered
6	depreciation for the gas conversion burner program, as I
7	understand they were linked a bit in this case.
8	MR. EINSTEIN: I would defer that to
9	Ms. Free, I believe, is to how we're going to account
LO	for that.
L1	COMMISSIONER RENDAHL: She is not free.
L2	MR. EINSTEIN: She is here.
L3	COMMISSIONER RENDAHL: Would you mind coming
L4	up?
L5	Do you want me to repeat the question?
L6	MS. FREE: I think I would appreciate it if
L7	you could repeat the question.
L8	COMMISSIONER RENDAHL: Okay. So given that
L9	the sale of the water heater rental program is going to
20	close after this rate case, how does the company propose
21	handling the outstanding negative reserve which is about
22	\$688,000 688, yeah, thousand dollars associated with
23	the amortization of unrecovered depreciation of the gas
24	conversion burner program and the initial assumption was

they would be kind of handled together in this case.

	Susan Free by Commissioner Rendahl
1	MS. FREE: I think that negative reserve is
2	actually in our test year rate base.
3	And so I'm going to give you two scenarios,
4	because I don't know that for sure.
5	If it is, we could remove it at the
6	compliance filing, as it will be held over in a deferred
7	account until with the water heaters until that gets
8	resolved.
9	If it's not in our rate base, then there's
10	really nothing that needs to be done.
11	COMMISSIONER RENDAHL: So I guess maybe this
12	is a bench request for you all to respond and clarify
13	the treatment of that.
14	And that would be bench request 8.
15	Okay. Mr. Einstein, I still have questions
16	for you.
17	CHAIRMAN DANNER: Actually, Ms. Free.
18	MR. EINSTEIN: We've been tied at the hip
19	for a while.
20	COMMISSIONER RENDAHL: I don't think she has
21	an answer to this one, but you might be surprised.
22	CHAIRMAN DANNER: No, I have a question.
23	COMMISSIONER RENDAHL: Oh, you have a
24	question.
25	So how many of your current customers have

	William Einstein by Commissioner Rendahl
1	had replacement water heaters installed during the
2	course of their agreements? Do you know? Roughly.
3	MR. EINSTEIN: No, I don't know that number
4	off the top of my head.
5	COMMISSIONER RENDAHL: Okay. And do you
6	know, from the data that you gather on this program, how
7	you determine whether a water heater is replaced or
8	repaired? Do you have that different data in the
9	system?
10	MR. EINSTEIN: Well, we track we track
11	if a water heater is replaced, we track the time at
12	which that water heater is replaced; then it becomes
13	part that new water heater becomes part of the asset
14	class of those water heaters for that year.
15	COMMISSIONER RENDAHL: Do you know how long
16	they are actually repaired or are they just replaced?
17	Do you know if there's any repaired?
18	MR. EINSTEIN: Yes, we do do repairs, if
19	necessary, and a replacement is not required. I don't
20	know the exact number of how that occurs. But if if
21	a customer were to call and say something isn't working
22	correctly and we can make a repair without a
23	replacement, we would do so.
24	COMMISSIONER RENDAHL: Okay. So I guess
25	this will be bench request number nine. If you can give

	William Einstein by Commissioner Rendahl
1	us the number of customers who have had replacement
2	water heaters installed and also the number of those
3	that have been repaired over the course of the program.
4	Does that make sense?
5	MR. EINSTEIN: The entire life of the
6	program?
7	COMMISSIONER RENDAHL: That's a good
8	question.
9	MR. EINSTEIN: You are talking 60 years.
LO	COMMISSIONER RENDAHL: Probably the last
L1	20 years.
L2	MR. EINSTEIN: Okay.
L3	COMMISSIONER RENDAHL: All right. Thank
L4	you.
L5	CHAIRMAN DANNER: Okay. Mr. Einstein, my
L6	question won't take 20 years.
L7	So and it's not a question for Ms. Free,
L8	but basically it's based on Ms. Free's rebuttal
L9	testimony.
20	So in her rebuttal testimony this is in
21	regard to Green Direct. She proposes a tracking and
22	reporting procedure for the Green Direct, and that just
23	sort of kicked the question to me.
24	Does the record in this case demonstrate
25	that the Company's proposed revenue requirement does not

	Susan Free by Chairman Danner
1	include collecting the cost of the Green Direct program
2	through general rates?
3	Good thing you stayed.
4	MS. FREE: We have not the power costs
5	for the PPAs are included in base rates. The schedule
6	139 revenues are not included. And we've also removed
7	the fixed cost. So those are not included.
8	CHAIRMAN DANNER: So does that mean that
9	this program is not self-sufficient?
10	MS. FREE: I don't believe that's what it
11	means. The rates were designed over the course of the
12	program to pay for the cost of the program.
13	CHAIRMAN DANNER: Over the course?
14	MS. FREE: Mm-hmm.
15	CHAIRMAN DANNER: So the fact that the PPAs
16	are included in base rates isn't I'm I'm having
17	trouble figuring out how that is not reaching outside of
18	the program, the program is not self-sufficient.
19	So help me with that?
20	MS. FREE: Maybe I can actually refer to Jon
21	Piliaris. It's my turn to
22	CHAIRMAN DANNER: Anybody who can answer
23	that.
24	MR. PILIARIS: Good evening.
25	COMMISSIONER RENDAHL: Good evening.

	Jon Piliaris by Chairman Danner
1	CHAIRMAN DANNER: Good evening.
2	MR. PILIARIS: So the question was again?
3	Can you clarify?
4	CHAIRMAN DANNER: Okay. So the question
5	was: In Ms. Free's testimony, she proposes a tracking
6	reporting procedures for the Green Direct program.
7	And my question to Mr. Einstein was: Does
8	the record demonstrate that the Company's proposed
9	revenue requirement does not include collecting the
10	costs of the Green Direct program through general rates?
11	She punted the question he punted the
12	question to Ms. Free. Ms. Free answered that: Well, in
13	fact, there are components, the PPAs, in base rates.
14	And so I asked the question: Is this
15	program self-sufficient? And the answer was: Over
16	time.
17	And so I'm just wondering if you can help me
18	understand all that.
19	MR. PILIARIS: Okay. So as Ms. Free noted,
20	the cost of the PPAs are included in in the portfolio
21	costs.
22	You might recall in 139 there's a credit, an
23	energy credit. And that's meant to represent the value
24	of the foregone power that would no longer be used to
25	serve those 139 customers. Green Directredirect customers. Instead

	Jon Piliaris by Chairman Danner
1	they would be used they would be served by the Green
2	Direct PPAs.
3	So I believe Ms. Free is correct that we
4	didn't include 139 revenue in the calculation because we
5	were not also including the credit as well.
6	And if you if you look at the cost of the
7	PPA relative to the cost of the credit, there is a very,
8	very minor difference between the two. So they are
9	essentially a push.
LO	If truth and beauty were to prevail, we
L1	probably would throw the the 139 schedule rate
L2	revenue into the analysis, and then we would credit
L3	the the credit in 139, and that very small delta
L4	would produce the precise result that the 139 customers
L5	are paying for the entirety of the of the PPA cost,
L6	or at least as close as they are required to under
L7	the 139 tariff.
L8	CHAIRMAN DANNER: So why didn't you? I
L9	mean, truth
20	MR. PILIARIS: Yeah. I think, honestly
21	to be very honest about it, it was, I think, an
22	oversight initially. But as we thought about it, it was
23	a distinction without any difference at the end of the
24	day.

I don't think that it would -- you wouldn't

	Jon Piliaris by Commissioner Balasbas
1	even show up as of a grounding, as an impact to other
2	customers in their rate. It would literally be that
3	small.
4	But for sake of transparency, we would be
5	happy to include that as part of the compliance filing
6	to make it transparent and clear that all those revenues
7	are included and so it's clear how those revenues
8	match up with the PPA cost.
9	CHAIRMAN DANNER: All right. Thank you for
10	the offer. I'm not sure if it's necessary or we'll
11	see.
12	MR. PILIARIS: We're open to it.
13	CHAIRMAN DANNER: Thank you.
14	COMMISSIONER BALASBAS: So, Mr. Piliaris,
15	just to follow up on that, though, if the costs of the
16	PPAs are included in base rates, I mean, is that
17	effectively, if you will, I guess, like, a one-time
18	subsidy until the costs of 139 and the rates charged to
19	139 customers cover those costs within there?
20	I mean I'm just trying to understand what
21	you mean when the cost of PPAs are included in base
22	rates but the revenues and the credits from schedule 139
23	are not.
24	Because, to me, that seems like you have
25	a you're not, as you said just a minute ago, maybe

2.2

Jon Piliaris by Commissioner Balasbas
not showing the full, if you will, akin to a balance
sheet of the schedule 139 costs and revenues there.

So I'm just -- so help me out here to, you know, maybe put my mind at ease that by including the cost of the PPAs in base rates that all customers are not subsidizing the 139 customers.

MR. PILIARIS: So maybe the easiest way to think about this -- and this is not the way -- the way it's been modeled.

But if you carved out the energy from the PPA apart from the portfolio, and it's -- it's at the PPA rates that we're paying, and you gross it up for revenue-sensitive taxes, so it's a rate adjusted number, and you compare that against the 139 revenues, then it's clear from that standpoint that the 139 revenues essentially cover the PPA costs.

When you do that, the load associated with serving the 139 are no longer in the portfolio. And when you reduce the load served in the portfolio, you are reducing the cost in the portfolio. And so those costs go away as well.

Now, do the costs that go away equal the cost of those PPAs? No, they are different. They are very different. It's more or less market purchases that are no longer used to serve the remaining load.

	Jon Piliaris by Commissioner Balasbas
1	So it's sort of tricky but it's the PPA that
2	Green Direct customers are in fact covering 100 percent
3	of their Green Direct costs. It's very similar to the
4	way conservation works, in that you reduce load from
5	conservation.
6	What happens to our our portfolio,
7	portfolio resources? They reduce. They are reduced and
8	you're trading the cost of conservation for the avoided
9	cost of the power in in existing rates. And there's
LO	a difference. There's a big difference.
L1	And this goes back to our lost margin
L2	discussions of several rate cases ago.
L3	It's the same concept except we're talking
L4	about power supply displacement rather than conservation
L5	displacement for the same purpose.
L6	JUDGE PEARSON: Thank you very much.
L7	Okay. We'd like Ms. Scanlan to come up now
L8	and take her out of order because it is a follow-up
L9	question on Green Direct.
20	(Sworn)
21	JUDGE PEARSON: Okay. Thank you.
22	CHAIRMAN DANNER: All right. Good evening,
23	Ms. Scanlan.
24	So you heard Mr. Piliaris, Ms. Free, and
25	Mr. Finstein, Liust wanted to follow up. You heard

	Katie Scanlan by Chairman Danner
1	their explanation of this, and I just want to know is
2	Staff satisfied with PSE's proposals and does your
3	recommendation remain that the Company should just work
4	with stakeholders after the conclusion of this case?
5	MS. SCANLAN: Yes, my recommendation remains
6	the same.
7	I also want to point you to my colleague,
8	Jing Liu, who also testified on power costs related to
9	Green Direct.
10	CHAIRMAN DANNER: Okay. So I will go back
11	and look at that again.
12	But, basically, you're satisfied with what
13	you just heard now that you feel that over time that
14	this program is self-sufficient and we're not basically
15	subsidizing the program from general rates?
16	MS. SCANLAN: Again, my colleague, Jing Liu,
17	did testify to the power cost portion of that. That is
18	included in these rates.
19	COMMISSIONER RENDAHL: So can I just jump in
20	and say your testimony related to the tracking of the
21	of costs and the revenues and the need for transparency
22	and you still, as you said, recommend you still
23	recommend that there needs to be more process
24	MS. SCANLAN: Correct.
25	COMMISSIONER RENDAHL: or discussion?

	Ronald Roberts by Ms. Cameron-Rulkowski
1	MS. SCANLAN: Yes.
2	JUDGE PEARSON: Thank you.
3	Okay. The last Company witness is Ronald
4	Roberts.
5	(Sworn)
6	JUDGE PEARSON: Okay. Please be seated.
7	MR. ROBERTS: First of all, I know nothing
8	about taxes.
9	JUDGE PEARSON: Can you turn your microphone
LO	on?
L1	MR. ROBERTS: I can probably do that.
L2	JUDGE PEARSON: Okay. And Staff,
L3	Ms. Cameron-Rulkowski, whenever you are ready.
L4	MS. CAMERON-RULKOWSKI: Thank you, Your
L5	Honor.
L6	CROSS-EXAMINATION
L7	BY MS. CAMERON-RULKOWSKI:
L8	Q. Good evening, Mr. Roberts. We're not going to
L9	talk about taxes. Instead I would like to talk about
20	operating and maintenance expense at Colstrip.
21	A. Okay. Great.
22	Q. Colstrip Units 1 and 2 just closed at the end of
23	the year; right?
24	A. Correct. Actually, they shut down January 3rd
25	and 4th, just slightly after the end of '19.

	Ronald Roberts by Ms. Cameron-Rulkowski				
1	Q.	Thank you for that clarification.			
2		In this case, PSE shifted over a million dollars			
3	in O	&M costs from Colstrip Units 1 and 2 to Units 3 and			
4	4; rig	jht?			
5	A.	Correct.			
6	Q.	And PSE is asking for recovery of these costs;			
7	right	?			
8	A.	Correct.			
9	Q.	Colstrip 1 and 2 are in a decommissioning phase;			
10	correct?				
11	A.	That is true.			
12	Q.	And so it's true, isn't it, that there is a			
13	portion of the common expenses that will continue to be				
14	associated with Colstrip 1 and 2. For example, expenses				
15	for roads and grounds keeping.				
16	A.	Some small minor expenses, yes.			
17	Q.	Now, I want to discuss Units 3 and 4.			
18		Regarding Unit 4, in your Exhibit RJR-3C, you			
19	mention the super heat section of Colstrip Unit 4 and				
20	you you mention that it's showing signs of wear and				
21	degradation estimated at \$20 million for replacement;				
22	correct?				
23	A.	Correct.			
24	Q.	And PSE plans to sell Colstrip 4; right?			
25	A.	That is the intention.			

	Ronald Roberts by Ms. Cameron-Rulkowski			
1	Q. Is it fair to say that these factors will			
2	influence the actual major maintenance cost for Colstrip			
3	Units 3 and 4?			
4	A. They could, but that project has not been			
5	approved in the budget. So it's something that will			
6	come later in time and hopefully at post-closing to our			
7	disposition of Unit 4 so we would have no share in the			
8	cost of that.			
9	Q. All right. And so you were just referring to			
10	the sale; correct			
11	A. Correct.			
12	Q in the answer you just gave?			
13	A. Correct.			
14	CHAIRMAN DANNER: Mr. Roberts, could you			
15	speak into the microphone?			
16	MR. ROBERTS: Certainly. Thank you.			
17	BY MS. CAMERON-RULKOWSKI:			
18	Q. With regard to to the the super heat			
19	section replacement and any other issues with Colstrip			
20	Unit 4, those factors could influence the actual major			
21	maintenance costs for Colstrip Colstrip Units 3 and			
22	4; right?			
23	A. They could. It could proportionately change our			
24	share of the costs of that project going forward; so			
25	that would have an impact, longer term, on the costs.			

Ronald Roberts by Ms	. Cameron-Rulkowski
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- Q. And is it fair to say that -- that those very things could impact the difference between budgeted and actual costs?
- A. They could. However, when we do budgets at Colstrip, it's usually just a one-year approval.

And on Units 3 and 4, historically, we've been close to budget to what we actually spend.

Now, the closure and potential disposition of our interest in Unit 4, depending on what timing that happens and the approvals happen with that could impact that year.

- Q. All right. You may have just covered this, but at any rate, PSE is proposing to recover in rates the budgeted amounts from Talen for O&M expenses for Colstrip Units 3 and 4 and not the actual amount of O&M expense; is that correct?
- 17 A. That's correct.

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- Q. I would like you to take a look at JL-15C. Take a second to find that.
- A. Did you say "JL"?
- Q. JL-15C. And -- thank you. This is a confidential exhibit. But I'm going to avoid -- try to avoid asking you about confidential information.
 - This exhibit is based on a data request response from the Company; correct?

Ronald	Roberts	by Ms.	Cameron	-Rulkowski
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A. Correct.

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Q. And as I mentioned, the numbers in the exhibit are confidential.

But in your testimony, you have averaged the variances between budget and actual amounts. And -- and that's at the top of page 17 in your rebuttal testimony, if you need to look.

So you didn't talk about confidential numbers in your testimony, but you provided an average; correct?

- A. Correct.
- Q. All right. I want to ask you about a specific variance and I want to ask you about the percentage of the variance so that we don't disclose the amounts.

So I want you to please look at the -- at the variance for Colstrip Units 3 and 4 for the year 2017.

- 16 Are you there?
- 17 A. Yes.
 - Q. Now, this amount is significantly more than the -- than the average that you calculated and you used in your testimony; right?
 - A. Correct.
- Q. All right. Now, can we talk about -- without -without violating confidentially, can we talk about what
 this average -- I'm sorry, about what this percentage
 variance is?

	Ronald Roberts by Ms. Cameron-Rulkowski			
1	A. Yes.			
2	Q. All right. So it looks like the variance			
3	between the budgeted amount and the actual amount is			
4	about is about well, it looks like the the			
5	variance represents an actual amount that is about			
6	20 percent more than the budgeted amount; is that fair?			
7	A. That is close; yes.			
8	Q. Thank you. I don't have any further questions.			
9	JUDGE PEARSON: Thank you.			
10	Any redirect?			
11	MR. KUZMA: No, Your Honor.			
12	JUDGE PEARSON: Okay. Do we have any			
13	questions from the bench for this witness? Nope. Okay.			
14	You're excused. Thank you.			
15	MR. ROBERTS: Thank you.			
16	JUDGE PEARSON: Next we will call staff			
17	witness, Chris McGuire.			
18	(Sworn)			
19	JUDGE PEARSON: Please be seated.			
20	Just have some bench questions for you,			
21	Mr. McGuire.			
22	COMMISSIONER BALASBAS: Good evening.			
23	MR. McGUIRE: Good evening.			
24	COMMISSIONER BALASBAS: So in your response			
25	testimony you suggest that practical implication for D&R			

	Chris McGuire by Commissioner Balasbas
1	costs associated with Colstrip Units 3 and 4 is a
2	tracking and true-up mechanism; is that correct?
3	MR. McGUIRE: That's correct.
4	COMMISSIONER BALASBAS: So why not do
5	that why not establish that tracking mechanism now in
6	this proceeding versus waiting until a future
7	proceeding?
8	MR. McGUIRE: The reason why we didn't make
9	that recommendation in this proceeding is because we
10	believed that it was dependent on the Commission
11	interpreting it was dependent upon a specific
12	interpretation of CETA.
13	And until the Commission makes that
14	interpretation, we believed that it was inappropriate to
15	force something upon the Commission that maybe the
16	Commission didn't want.
17	CHAIRMAN DANNER: So specifically what in
18	CETA what is the discretion that we have or the
19	uncertainty that we have?
20	MR. McGUIRE: There are a couple of things
21	that are uncertain.
22	One of them is CETA requires that coal-fired
23	facilities be removed from rates by 2025. But it
24	explicitly says that D&R, decommissioning and
25	remediation costs don't need to be accelerated to 2025.

2.2

D&R is typically recovered through depreciation over the life of an asset. But CETA allows for recovery of D&R beyond 2025.

There's also a question about whether or not the term "prudently incurred" means something specific.

One could interpret the term "prudently incurred" to -- to be a past-tense word. So D&RF -- that the Commission has to allow all prudently incurred D&R to be recovered.

Well, decommissioning and remediation costs typically don't happen until after a facility has closed.

So if decommissioning and remediation costs aren't going to occur until after 2025, and the costs must be prudently incurred in order to be recovered through rates, there's an argument that maybe we can't recover decommissioning and remediation costs before they're prudently incurred, i.e., before 2025.

But, again, that explanation depends on a specific interpretation of a term within CETA that may be incorrect. "Prudently incurred" may not actually refer to costs beyond 2025.

That's it.

CHAIRMAN DANNER: So we don't -- we don't know what the closure date -- even though we know what

Chris McGuire by Commissioner Balasbas
the deadline for closure is, we don't know the closure
date.

So, I mean, are we going to be ready to, you know, when the time comes when the decommissioning of the remediation costs start that we'll be ready to track them?

MR. McGUIRE: That's a good question.

If, for example, the facility were closed tomorrow, it may be problematic not to have some tracking and true-up mechanism in place which argues for potentially setting up a tracking and true-up mechanism now to protect against the possibility that the plant just closes much earlier than we thought.

It's -- I wouldn't say that we would be in a particularly precarious position at that point. Because if we do nothing now through rates, the company is recovering decommissioning and remediation costs. And it is -- it is accumulating a reserve for decommissioning and remediation costs, and that will exist when facility is closed.

And at that point we're just left with the question of what to do with the amount -- the estimated amount that has not yet been recovered, and at that point you could set up a mechanism to deal with that situation.

2.2

CHAIRMAN DANNER: Another option is the
while Puget is not using the power from Colstrip, that
Colstrip continues to operate. And so under that
scenario, D&R costs might be pushed out. So, basically,
your recommendation is just wait?

MR. McGUIRE: Yes. My recommendation is to wait because there are a number of uncertainties. The one you just referred to being one of them. The one you referred to previously. The early closure is another one. The actual amount of -- of decommissioning and remediation cost is another one.

PSE's estimates of decommissioning or remediation are -- there's a wide range of potential costs associated with D&R.

I think -- well, this is why I had
recommended that PSE submit a plan in its next general
rate case so that we could think a little bit more
carefully about how to handle this issue and allow the
company a little bit more time to narrow -- narrow down
the range of potential costs, as well as the
availability of certain liabilities, like, production
tax credits to offset some of those costs. There's just
a lot of questions. And a little bit of time, I think,
would be helpful. So that -- that the Company and other
interested parties could try to think of a solution.

	Chris McGuire by Mr. Kuzma
1	CHAIRMAN DANNER: Thank you very much.
2	JUDGE PEARSON: Is that it?
3	Thank you, Mr. McGuire.
4	Mr. McGuire, on that?
5	MR. McGUIRE: While I have the floor,
6	there's a bunch of chocolate over there by the door and
7	I hope to say that before I got questioned so I could
8	distract you from the content of my responses. But
9	anyone who wants chocolate.
LO	MR. KUZMA: I have a few follow-up
L1	questions. It won't take long.
L2	CROSS-EXAMINATION
L3	BY MR. KUZMA:
L 4	Q. So is your is your concern with respect to a
L5	tracking mechanism or is your concern with respect to
L6	allowing recovery in rates of D&R costs?
L7	A. I think my concern is more the former. It's
L7 L8	A. I think my concern is more the former. It's related to what seems like might be a need for a
	·
L8	related to what seems like might be a need for a
L8 L9	related to what seems like might be a need for a tracking and true-up mechanism to in order for PSE to
L8 L9 20	related to what seems like might be a need for a tracking and true-up mechanism to in order for PSE to comply with CETA.
L8 L9 20	related to what seems like might be a need for a tracking and true-up mechanism to in order for PSE to comply with CETA. I'm not particularly worried about recovery. I
L8 L9 20 21	related to what seems like might be a need for a tracking and true-up mechanism to in order for PSE to comply with CETA. I'm not particularly worried about recovery. I just want to make sure that, essentially, PSE complies

Chris McGuire by Mr. Kuzma

tracking	or	inc	lusion	in	rates?
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2.2

A. Inclusion in -- well, both, actually. The latter, I think, is less of a concern.

I think that's not -- that's not the way I would interpret the statute to preclude the company from recovering decommissioning and remediation costs before they are actually incurred. That's not -- that's not reasonable because ordinarily we would expect customers that use a facility to contribute to the decommissioning and remediation costs, so why wait until those expenses -- those costs are incurred to recover them from rate payers.

So it's -- that interpretation doesn't -doesn't make a lot of sense to me. So it's, again, not
the inclusion in rates that worries me as much as the
appearance that PSE can only collect exactly the dollar
amount of decommissioning and remediation expenses that
it incurs.

And if that's actually true, and if the

Commission interprets the statute in that way, that
we -- that PSE can't collect any more or any less than
the prudently incurred costs, then I think we would need
a tracking and true-up mechanism to ensure that that
actually happens. But, again, that's dependent upon an
interpretation of the statute.

	Office by Wit. Ruzina
1	Q. Right. And the statute says and the part
2	that you're mentioning the Commission shall allow
3	nondiscretionary "shall" allow in electric rates all
4	decommissioning and remediation costs prudently incurred
5	by an investor-owed utility for a coal-fired resource?
6	A. Correct.
7	Q. So if it's incurred and it's prudently incurred,
8	the decommission or remediation cost, then the
9	Commission shall allow it in rates?
10	A. Yes. It shall allow it in rates, but is it
11	prudently incurred before it is incurred?
12	Are we talking about the actual costs, the cash
13	flow associated with decommissioning and remediation or
14	are we talking about expenses that the company currently
15	books?
16	Q. But then I thought Chairman Danner mentioned a
17	tracking and true-up mechanism where the prudence could
18	be determined sort of after the fact and could be
19	tracked and then the prudence determination could be
20	made and then trued-up accordingly to whether those
21	expenses were or were not prudently incurred?
22	A. Are you asking this question with the assumption
23	that all decommissioning and remediation costs all
24	projected decommissioning and remediation costs are
25	collected over the life of the asset or beyond the

	Jason Ball by Commissioner Rendahl
1	closure of the asset?
2	Q. It would be collected during the life and after
3	the life.
4	A. Yes. Then I don't see why that would be an
5	issue.
6	Q. Okay. Thank you.
7	JUDGE PEARSON: Thank you, Mr. McGuire.
8	Ms. Cameron-Rulkowski, it doesn't look like
9	you had you any redirect?
10	MR. CALLAGHAN: No, Your Honor.
11	JUDGE PEARSON: Next witness is Christina
12	StewardStewart. Jason Ball, sorry.
13	MS. <u>STEWARDSTEWART</u> : You don't need me. Sorry.
14	JUDGE PEARSON: Please raise your right
15	hand.
16	(Sworn)
17	COMMISSIONER RENDAHL: Good evening,
18	Mr. Ball.
19	MR. BALL: Good even.
20	COMMISSIONER RENDAHL: So I assume you have
21	read Mr. Piliaris' rebuttal testimony.
22	MR. BALL: I have.
23	COMMISSIONER RENDAHL: So in his testimony
24	he testifies that the company accepts the energy
25	projects proposal to spread the residential rates

	Jason Ball by Commissioner Rendahl
1	rate increases equally across the two existing energy
2	blocks and is open to exploring an expansion of the
3	first block energy rate from 600 kilowatt hours to
4	800 kilowatt hours.
5	Do you also support exploring that
6	modification?
7	MR. BALL: I do.
8	COMMISSIONER RENDAHL: Okay. And so
9	should is it your recommendation that the Commission
LO	implement that proposal in this case or to consult with
L1	a low income advisory group or CRAG to review and make a
L2	proposal in a future rate case?
L3	MR. BALL: I believe consulting with the
L4	CRAG would be a wise choice.
L5	COMMISSIONER RENDAHL: Okay. Do you have
L6	concerns about this change?
L7	MR. BALL: Not necessarily. The original
L8	600-kilowatt-hour block was used to share equitably the
L9	low cost of power across the region.
20	If we're going to set a new block for to
21	address issues if we're going to set a new block
22	based upon a fundamentally different premise, then I
23	would just suggest that we spend a little bit more time
24	researching and understanding the fundamentals that led
2.5	to that block number

	Jason Ball by Commissioner Rendahl
1	COMMISSIONER RENDAHL: And whether they
2	still hold?
3	MR. BALL: Correct. And whether 600
4	kilowatt hours is the correct amount for the first block
5	as a lifeline rate.
6	COMMISSIONER RENDAHL: Okay. Thank you.
7	That's all I have.
8	JUDGE PEARSON: That's it.
9	Thank you, Mr. Ball. You're excused.
10	And the next witness is Glen Watkins for
11	Public Counsel.
12	MS. GAFKEN: Judge Pearson, it is
13	approaching 10 o'clock on the east coast, so I had told
14	him that he could drop off.
15	JUDGE PEARSON: Okay. We're fine. Okay.
16	We're fine.
17	MS. GAFKEN: Do you want to talk to him
18	tomorrow?
19	JUDGE PEARSON: We're going to finish
20	tonight. If we need anything we can issue a bench
21	request after the fact.
22	So next is Shawn Collins from The Engery
23	Project.
24	MR. FFITCH: Your Honor, while Mr. Collins
25	is coming up, do you want me to introduce the witness?

	Shawn Collins by Mr. Ffitch	
1	JUDGE PEARSON: If you would like to that's.	
2	MR. FFITCH: After you swear him.	
3	(Sworn in)	
4	EXAMINATION	
5	BY MR. FFITCH:	
6	Q. Good evening, Mr. Collins.	
7	A. Good evening.	
8	Q. Could you please state your name and spell your	
9	last name for the record?	
LO	A. Shawn Collins, C-o-l-l-i-n-s.	
L1	Q. What is your current position?	
L2	A. Director of The Engery Project at the	
L3	Opportunity Council.	
L 4	Q. Have you filed testimony in this case that's	
L5	been marked SMC-1T and SMC-2?	
L6	A. I have.	
L7	MR. FFITCH: And, Your Honor, those have	
L8	been admitted into the record by stipulation.	
L9	BY MR. FFITCH:	
20	Q. Mr. Collins, do you have any changes or	
21	corrections to your testimony?	
22	A. No, I do not.	
23	MR. FFITCH: Your Honor, Mr. Collins is	
24	available for questions.	
25	JUDGE PEARSON: Thank you.	

	Shawn Collins by Chairman Danner
1	CHAIRMAN DANNER: Good evening, Mr. Collins.
2	The Energy Project proposed the Commission
3	order residential rate increases to be spread equally
4	across energy uses blocks but does not provide a
5	calculation to illustrate the recommendation.
6	What's your proposed method for equal
7	percentage allocations?
8	MR. COLLINS: We did not specify the
9	methodology there. My expectation was that potentially
10	that would be discussed similarly to the block rate
11	adjustment with with a CRAG. So, specifically, I do
12	not have a recommendation for that.
13	CHAIRMAN DANNER: Okay. Do you agree with
14	Puget's understanding of this agreement with your
15	proposal?
16	MR. COLLINS: We do. Our concern,
17	primarily, was focused on the the the tier 2 a
18	third-tier addition or higher usage adding the costs for
19	that. So we're in agreement with with Piliaris'
20	trial testimony.
21	CHAIRMAN DANNER: Let me ask another
22	question. This is among your recommendations. You
23	propose that Puget develop and submit a disconnection
24	reduction plan for approval.

Can you expand a little bit on both process

	Shawn Collins by Chairman Danner
1	and the timeline for this kind of plan?
2	MR. COLLINS: Sure. Based on the data
3	requests that we submitted, it appears that as much as
4	50 percent of disconnections are prevented from the last
5	knock and from collection for payments at the time of
6	disconnection.
7	And so our concern is with the policies
8	for for disconnections and wanting to minimize those
9	to the extent possible.
LO	And so for us, I think as I understood,
L1	within a year of the closure of this rate case would be
L2	acceptable to us in terms of formulating a plan, the
L3	sooner the better, in my opinion, though.
L4	CHAIRMAN DANNER: Okay. That's all I had.
L5	JUDGE PEARSON: Thank you. You're excused.
L6	And our last witness is Brian Collins.
L7	If you raise your right hand.
L8	(Sworn)
L9	JUDGE PEARSON: Okay. Please be seated.
20	Mr. Pepple, you don't have a microphone. I don't know
21	if you want to introduce your witness.
22	Go ahead.
23	EXAMINATION
24	BY MR. COLEMAN:
25	Q. Good evening, Mr. Collins.

	Brian Collins by Mr. Coleman and Ms. Gafken
1	A. Good evening.
2	Q. Are you the same Brian Collins who caused to be
3	filed Exhibit BCC-1T in this case?
4	A. I am.
5	Q. Do you have any changes or corrections to that
6	document?
7	A. I do not.
8	Q. If you were to be asked those questions today,
9	would you provide the same answers?
10	A. I would.
11	MR. COLEMAN: Your Honor, Mr. Collins is
12	available for cross-examination.
13	JUDGE PEARSON: Thank you.
14	Ms. Gafken.
15	MS. GAFKEN: Thank you.
16	CROSS-EXAMINATION
17	BY MS. GAFKEN:
18	Q. Good evening, Mr. Collins.
19	A. Good evening.
20	Q. Would you please turn to your cross-answering
21	testimony BCC-1T, page 5, and go to lines 8 through 10.
22	A. Okay. I'm there.
23	Q. There you state: "The direct assignment of
24	costs best reflects cost causation and that direct
25	assignment should be used when information is

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	Brian Collins by Ms. Gafken	
avail	lable"; correct?	
A.	That is correct.	
Q.	Further down the page further down the page,	
begi	nning at line 27 and continuing on to page 6,	
line 2	2, you quote the Maverick [verbatim] manual on	
direc	ct costs; correct?	
A.	That's correct.	
Q.	At page of 6, lines 10 through 15, you discuss	
PSE'	's use of its GIS system to determine costs	
asso	ciated with its special contractors; correct?	
A.	That's correct.	
Q.	Did you hear Mr. Taylor's testimony earlier in	
the h	nearing where Mr. Taylor testified that the Mains	
serv	e a multitude of customers and that special customer	
cont	racts were allocated a portion of the Mains?	
A.	I did hear that earlier today, yes.	
Q.	PSE's GIS study did not result in a direct	
assi	unment of dedicated facilities but rather it	

- resulted in an allocation of common use mains that served special contract customers among others; correct?
- MR. PEPPLE: I'm going to object to that I don't think that was Mr. Taylor's testimony. I think that mischaracterizes what he said.
- MS. GAFKEN: I'm not asking about
 - Mr. Taylor's testimony. I'm asking Mr. Collins to

		Brian Collins by Ms. Gafken
1	evalu	ate the premise of the testimony.
2		MR. COLLINS: I guess I would disagree with
3	you.	
4		JUDGE PEARSON: Hold on a second.
5		Mr. Pepple, did you want to respond to that?
6	The r	microphone.
7		MR. PEPPLE: It just died.
8		As long as Mr. Collins understand that he's
9	not a	dopting Mr. Taylor's testimony, that he's he's
10	not s	peaking to what Mr. Taylor testified to.
11		JUDGE PEARSON: Okay. Is that clear,
12	Mr. C	Collins?
13		MR. COLLINS: Yes.
14		JUDGE PEARSON: Go ahead, Ms. Gafken, when
15	you g	get your mic back.
16	BY M	IS. GAFKEN:
17	Q.	I'll reask the question.
18	A.	Okay.
19	Q.	PSE's GIS study did not result in a direct
20	assig	gnment of dedicated facilities, but rather it
21	resu	ted in an allocation of common use mains that
22	serve	ed special contract customers among others; correct?
23	A.	I would agree that those mains do serve other
24	custo	mers besides those special contract customers.
25	Q.	And a portion of those mains was allocated in

	Brian Collins by Ms. Garken
1	the special contract customers; correct?
2	A. That's my understanding.
3	Q. The next two questions I'm asking about your
4	understanding of PSE's GIS study.
5	PSE did not use a similar systemwide GIS
6	analysis applied to the entire utility, did it?
7	A. I'm not aware of them doing such an analysis.
8	Q. And PSE did not use a similar GIS analysis to
9	trace other customer classes from the meter to city
LO	gate, but only applied that analysis to special contract
L1	customers; correct?
L2	A. It's my understanding they applied it only to
L3	the special contract class and no other customer
L4	classes.
L5	Q. And you did not conduct a separate GIS analysis
L6	with respect to special contract customers other
L7	customers or the entire utility, did you?
L8	A. I did not.
L9	Q. Thank you. Those are my questions.
20	JUDGE PEARSON: Thank you. Is there any
21	redirect?
22	MR. COLEMAN: No, Your Honor.
23	JUDGE PEARSON: Okay. Then any questions
24	from the bench for Mr. Collins?
25	Okay. Then you are excused. Thank you.

1	MR. COLLINS: Thank you very much.
2	JUDGE PEARSON: That brings us to the end of
3	our witness list.
4	Is there anyone else you have questions for?
5	No. Okay.
6	So there's just a few housekeeping matters
7	that I want to address before we adjourn.
8	Would the parties like me to I have all
9	the bench requests recorded here, I could go over them
10	or I could send them in an e-mail to all the parties?
11	MS. CARSON: E-mail would be good.
12	JUDGE PEARSON: Okay. I will do that,
13	because it would probably take ten minutes to read these
14	into the record. All right.
15	Is there anything else?
16	Oh, Ms. Gafken, public comments.
17	MS. GAFKEN: Yes. I was just going to chime
18	up about that.
19	So usually I request about a week. In this
20	case I would like to request just a tad more
21	JUDGE PEARSON: That's fine.
22	MS. GAFKEN: than that.
23	So I would propose Tuesday, February 18th.
24	JUDGE PEARSON: Okay.
25	MS. GAFKEN: Thank you.

1	JUDGE PEARSON: That works. And we will
2	designate that as a bench exhibit. It looks like it
3	will be bench Exhibit 11. So we'll expect to receive
4	that on the 18th.
5	And, actually, I would like to just take a
6	couple of minutes to consult with the Commissioners
7	before we get to the post-hearing briefs.
8	So we'll be off the record for just a couple
9	of minutes.
10	(A recess was taken from 6:57 p.m. to 7:01 p.m.)
11	JUDGE PEARSON: Okay. Let's be back on the
12	record. We were just having a conversation about page
13	limits for briefs.
14	For initial briefs, which are due on
15	March 17th, we'll allow the full 60 pages. And then for
16	reply briefs, which are due on March 27th, we're going
17	to have a 20-page limit.
18	Are there any any questions from the
19	parties?
20	MS. CARSON: So that includes what's allowed
21	with the consolidation of the additional dockets?
22	JUDGE PEARSON: Correct.
23	MS. CARSON: Because I think 60 is usually
24	the standard.
25	JUDGE PEARSON: It is the standard.

1	Sometimes we go shorter than that, though.
2	MS. CARSON: I would just say with a fully
3	contested case, we have no settlement here.
4	JUDGE PEARSON: How many extra pages do you
5	think you need for the accounting petitions?
6	MS. CARSON: Maybe ten extra pages.
7	JUDGE PEARSON: You mean just in the initial
8	briefs?
9	MS. CARSON: I think 10 in the initial brief
10	and 5. So it would be 25 in the reply brief.
11	MS. CAMERON-RULKOWSKI: So Staff has an
12	alternative recommendation. We would need 5. We would
13	suggest 5 in the initial brief and 3 in the reply. But
14	it's up to you.
15	MS. CARSON: Staff is primarily responding
16	to the Company and we respond to eight different
17	parties.
18	JUDGE PEARSON: Okay. We'll go with 70 and
19	25.
20	MS. CARSON: Thank you.
21	JUDGE PEARSON: Okay. Is there anything
22	else that we need to address tonight?
23	Okay. Hearing nothing. Thank you all,
24	parties, the witnesses, and the representatives, we
25	really appreciate your willingness to push through and

1	get this finished in one day. And we are adjourned.
2	Thank you.
3	
4	(The hearing adjourned at 7:04 p.m.)
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1	CERTIFICATE
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4	STATE OF WASHINGTON)
5) ss. COUNTY OF KITSAP)
6	
7	I, CRYSTAL R. McAULIFFE, a Certified Court
8	Reporter in and for the State of Washington, do hereby
9	certify that the foregoing transcript of the WUTC
10	Evidentiary Hearing, having been reported on
11	FEBRUARY 6, 2020, is true and accurate to the best of my
12	knowledge, skill and ability.
13	IN WITNESS WHEREOF, I have hereunto set my hand
14	and seal this 19th day of February, 2020.
15	
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18	CRYSTAL R. McAULIFFE, RPR, CCR #2121
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