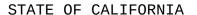
BEFORE THE PUBLIC UTILITIES COMMISSION







ADMINISTRATIVE LAW JUDGES RAFAEL L. LIRAG and ELAINE LAU, co-presiding

)	EVIDENTIARY HEARING
Application of Pacific Gas and Electric Company for Authority, Among Other Things, to Increase Rates and Charges for Electric and Gas Service Effective on January 1, 2020. (U39M))))))	Application 18-12-009

REPORTER'S TRANSCRIPT San Francisco, California September 30, 2019 Pages 1372 - 1471 Volume - 14

Reported by: Doris Huaman, CSR No. 10538 Carol A. Mendez, CSR No. 4330 Andrea Ross, CSR No. 7896

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1	SAN FRANCISCO, CALIFORNIA
2	SEPTEMBER 30, 2019 - 9:33 A.M.
3	* * * *
4	ADMINISTRATIVE LAW JUDGE LIRAG: Let's
5	go on the record.
6	Good morning, Everyone. This is the
7	first day of the second week. So that is day
8	6 of 20. Today we have the aviation panel of
9	Mr. Glover and Mr. Patterson followed by, I
10	guess, a three-member deferred-work panel.
11	We'll see if we're able to end today probably
12	like late lunch or late morning, if that
13	schedule holds.
14	Also, I think Mr. Schlesinger sent
15	word that the Joint CCAs are waiving their
16	cross for the aviation panel.
17	Is that correct, Mr. Schlesinger?
18	MR. SCHLESINGER: Yes, your Honor.
19	ALJ LIRAG: All right. Thank you.
20	Let's take time to I guess there's a
21	number of exhibits that will be submitted
22	today.
23	And so let's go off the record.
24	(Off the record.)
25	ALJ LIRAG: Let's go back on the
26	record.
27	While we were off the record,
28	exhibits were distributed, and we're sorting

1	it out. Before we get into the witnesses, I
2	wanted to touch base with PG&E regarding a
3	common briefing outline, which I'll ask them
4	to prepare.
5	So PG&E, is two weeks enough to
6	prepare this?
7	MS. RAMAIYA: Yes, your Honor.
8	ALJ LIRAG: So just send it to the
9	service list and then parties can make
10	suggestions or raise concerns. Please work
11	with PG&E regarding the briefing outline. So
12	we'll get it about either late the third week
13	or early the fourth week.
14	All right. So good morning, Mr.
15	Glover and Mr. Patterson. So one at a time.
16	Mr. Glover, please raise your right
17	hand.
18	MICHAEL GLOVER, called as a witness by Pacific Gas and Electric Company,
19	having been sworn, testified as follows:
20	TOTIOWS.
21	THE WITNESS: Yes.
22	ALJ LIRAG: Please state your name,
23	spell your last name and provide a business
24	address.
25	THE WITNESS: Michael Glover. Last
26	name is G-L-O-V-E-R, and the address is 77
27	Beale Street, San Francisco.
28	ALJ LIRAG: So when the cross when

1	
1	the direct examination begins, kindly speak
2	into the mic a little bit more.
3	Next is Mr. Patterson. Please raise
4	your right hand.
5	DICK PATTERSON, called as a witness
6	<pre>by Pacific Gas and Electric Company, having been sworn, testified as follows:</pre>
7	TOTTOWS.
8	THE WITNESS: I do.
9	ALJ LIRAG: Please state your name,
10	spell your last name and provide a business
11	address.
12	THE WITNESS: My name is Dick
13	Patterson, P-A-T-T-E-R-S-O-N. My business
14	address is 77 Beale Street, San Francisco.
15	ALJ LIRAG: Thank you. Let's identify
16	some exhibits. So first will be Exhibit 66,
17	and this is the prepared testimony of various
18	PG&E witnesses on the topic of shared
19	services and information technology or IT.
20	It has been premarked. It was premarked
21	PG&E-07, but it's designated as Exhibit 66.
22	(Exhibit No. 66 was marked for identification.)
23	identification.)
24	ALJ LIRAG: So Exhibit 67 is the
25	workpapers from various witnesses on shared
26	services and IT. So that's 67.
27	(Exhibit No. 67 was marked for identification.)
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1	ALJ LIRAG: 68 is the rebuttal
2	testimony on shared services and IT.
3	(Exhibit No. 68 was marked for
4	identification.)
5	ALJ LIRAG: Next is Exhibit 69. This
6	is the prepared testimony of various PG&E
7	witnesses on the general report. That is
8	PG&E premarked PG&E-12.
9	(Exhibit No. 69 was marked for
10	identification.)
11	ALJ LIRAG: Next is Exhibit 70. This
12	is the rebuttal testimony on the general
13	report, PG&E-26.
14	(Exhibit No. 70 was marked for identification.)
15	identification.)
16	ALJ LIRAG: Next is Exhibit 71. This
17	is the rebuttal testimony of various
18	witnesses on energy supply premarked PG&E-19.
19	So that's Exhibit 71.
20	(Exhibit No. 71 was marked for identification.)
21	identification.)
22	ALJ LIRAG: Exhibit 72 is the rebuttal
23	testimony on the results of operations from
24	various this is prepared or being
25	sponsored by various witnesses also premarked
26	PG&E-24.
27	(Exhibit No. 72 was marked for identification.)
28	ruenter reaction. j

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1	ALJ LIRAG: Exhibit 73 is the
2	workpapers supporting the general report
3	premarked PG&E-12.
4	(Exhibit No. 73 was marked for identification.)
5	identification.)
6	ALJ LIRAG: And then Exhibit 74 is the
7	workpapers on shared services and IT
8	premarked PG&E-07.
9	(Exhibit No. 74 was marked for identification.)
10	identification.)
11	ALJ LIRAG: Next will be Exhibit 75.
12	This is an article from the Program Executive
13	Office on Aviation. That's Exhibit 75.
14	(Exhibit No. 75 was marked for identification.)
15	identification.
16	ALJ LIRAG: Exhibit 76 is PG&E's
17	response to TURN Data Request 95, Questions 1
18	through 4 and includes an attachment.
19	(Exhibit No. 76 was marked for identification.)
20	identification.)
21	ALJ LIRAG: Exhibit 77 is, I guess, an
22	excerpt from an article from Cal Fire
23	regarding past wildfire information. So
24	that's 77.
25	(Exhibit No. 77 was marked for identification.)
26	144
27	ALJ LIRAG: Exhibit 78 is PG&E's
28	response to TURN Data Request 99.
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1	(Exhibit No. 78 was marked for identification.)
2	radicer roacion,
3	ALJ LIRAG: And finally, Exhibit 79 is
4	an exhibit, and we have cross from TURN,
5	which is PG&E's data response PG&E's
6	response to TURN Data Request 102, Questions
7	1 and 3, and includes an attachment.
8	(Exhibit No. 79 was marked for
9	identification.)
10	ALJ LIRAG: All right. Now, Mr.
11	Ouborg.
12	MR. OUBORG: Thank you, your Honor.
13	DIRECT EXAMINATION
14	BY MR. OUBORG:
15	Q Good morning, Mr. Glover.
16	A Good morning.
17	Q Mr. Glover, I'm going to confirm
18	with you the testimony that you're sponsoring
19	in this proceeding. In what has been marked
20	for identification as Exhibit 66, are you
21	sponsoring all of Chapter 2, transportation
22	and aviation services and the workpapers for
23	Chapter 2 presented in Exhibit 67?
24	A Yes, I am.
25	Q And in what has been marked as
26	Exhibit 68, are you sponsoring a portion of
27	Chapter 2, rebuttal testimony on
28	transportation and aviation services, and the

1 documents in Appendix A that relate to your 2 sponsored rebuttal testimony? 3 Α Yes, I am. In what has been marked as Exhibits 4 0 5 26 and 27, PG&E's pre-served errata, are you sponsoring the pages in those errata that 6 7 relate to your testimony? 8 Α Yes, I am. 9 And finally in Exhibit 51, are you Q 10 sponsoring your statement of qualification? 11 Α Yes, I am. 12 Were these materials prepared by 0 13 you or under your supervision, and to the 14 extent they were not, have you reviewed them 15 and are you prepared to adopt them as your 16 sworn testimony? 17 Yes, I am. Α 18 0 And at this time, do you have any 19 changes, corrections or additions to make to 20 these documents? 21 Α No. 22 Are the facts in these exhibits and 0 23 documents true and correct to the best of 24 your knowledge? 25 Α Yes, they are. 26 To the extent they represent 0 27 opinions, do they reflect your best 28 professional judgment?

1 Α Yes, they do. 2 MR. OUBORG: Thank you. Your Honor, 3 Mr. Glover is available for cross-examination, but I'll first do the 4 5 direct examination of Mr. Patterson. ALJ LIRAG: Go ahead. 6 BY MR. OUBORG: 7 8 Good morning, Mr. Patterson. Q 9 Α Good morning. 10 I'd like to confirm the testimony 0 you are sponsoring in this proceeding. 11 In 12 what has been marked for identification as Exhibit 69, are you sponsoring a portion of 13 14 Chapter 14, safety-related earnings 15 adjustment mechanism? 16 Α Yes, I am. 17 What has been marked as Exhibits 0 18 68, 72 and 70, these are all rebuttal 19 testimony exhibits. Are you sponsoring a 20 portion of Exhibit 71 -- sorry -- a portion 21 of Exhibit 69. This is your opening 22 testimony, Chapter 14, safety-related 23 earnings adjustment mechanism? 24 Α Yes, I am. 25 A portion of Exhibit 71, Chapter 8, 0 26 rebuttal testimony on the energy supply 27 ratemaking? 28 Α Yes.

1	Q A portion of Exhibit 68, Chapter 2,
2	rebuttal testimony on transportation and
3	aviation services?
4	A Yes.
5	Q A portion of Exhibit 72 and
6	Attachment A, rebuttal testimony on gas and
7	electric distribution and generation
8	ratebase?
9	A Yes.
10	Q All of Exhibit 70, Chapter 14,
11	rebuttal testimony on safety-related earnings
12	adjustment mechanism?
13	A Yes.
14	Q And finally, the documents in
15	Exhibit 68, Appendix A that relate to your
16	sponsored rebuttal testimony and the
17	documents in Exhibit 72, Appendix A that
18	relate to your sponsored rebuttal testimony?
19	A Yes.
20	Q Finally, in Exhibit 52, are you
21	sponsoring your statement of qualifications?
22	A Yes, I am.
23	Q Were these materials prepared by
24	you and under your supervision?
25	A Yes.
26	Q And do you have any further changes
27	or corrections to make at this time?
28	A No, I haven't.

1	Q Are the facts contained in these
2	exhibits true and correct to the best of your
3	knowledge?
4	A Yes, they are.
5	Q And do the opinions expressed
6	therein represent your best professional
7	judgment?
8	A They do.
9	MR. OUBORG: Thank you. Your Honor,
10	Mr. Glover and Mr. Patterson are now
11	available for cross.
12	ALJ LIRAG: Thank you. So we have two
13	hours of Ms. Torres. I might call a break
14	sometime in between. I'll figure out when
15	it's a good time to do that. All right. So
16	don't be offended if you're cut off.
17	MS. TORRES: Okay. I won't be. Thank
18	you, your Honor.
19	ALJ LIRAG: Please proceed.
20	MS. TORRES: It will not be two hours,
21	thankfully, for everyone.
22	CROSS-EXAMINATION
23	BY MS. TORRES:
24	Q Good morning, Mr. Glover and Mr.
25	Patterson. I'm Elise Torres here on behalf
26	of TURN. Do you have copies of my
27	cross-exhibits? They are 75, 76, 77 and 78.
28	WITNESS GLOVER: Yes.
	1

1	Q Thank you. So first I'd like to
2	discuss some terminology we used today. So
3	at the end of 2018, PG&E purchased four
4	heavy-lift Blackhawk helicopters, and these
5	helicopters are former military helicopters
6	repurposed for construction and firefighting
7	activities; is that correct?
8	A That's correct.
9	Q And when did these heavy-lift
10	helicopters come into service?
11	A The four heavy-lift became in
12	service in 2019 under PG&E's ownership.
13	Q And prior to December 2018, PG&E
14	did not own its own heavy-lift helicopters,
15	rather it had an exclusive-use contract,
16	which is sometimes referred to by the acronym
17	EUC with PJ Helicopters to use two heavy-lift
18	helicopters; is that correct?
19	A That is correct, yes.
20	Q Are these two helicopters also
21	Blackhawk helicopters repurposed for
22	construction and firefighting?
23	A Yes. These were both exclusive-use
24	contract for two Blackhawk helicopters.
25	Q Thank you. So those helicopters
26	are similar to the four PG&E purchased?
27	A That's correct, yes.
28	Q Thank you. And can you please

explain what an exclusive-use contract is? 1 2 Yeah. Exclusive-use contract Α 3 allows PG&E to be -- the use of, in this case, two helicopters for the duration of a 4 5 contract, which is about six months. 6 And there was also a call-when-needed stipulation included in this 7 exclusive-use contract. Can you please 8 9 explain what that is? So a call-when-needed 10 Α Yes. 11 contract is an agreement between either a 12 vendor, PJs in this case, and Cal Fire, which 13 essentially allows the helicopters to be 14 called upon if and when needed by the Cal 15 Fire services to be used for their purposes. 16 Q Thank you. The four helicopters PG&E purchased, there is now a 17 18 call-when-needed arrangement with Cal Fire 19 for those; is that correct? 20 So PG&E does have all four Α Yes. 21 with the call-when-needed contract between 22 PG&E and Cal Fire, correct. 23 Thank you. Can you please refer to Q 24 page 211 of your rebuttal testimony, which 25 has been marked as Exhibit 68. Thank you. 26 So at lines 2 through 5, you 27 discuss how a smaller fleet of helicopters 28 will impact PG&E's ability to maintain and

1	construct gas and electric services.
2	Has PG&E used the helicopters it
3	purchased to construct gas infrastructure to
4	date?
5	A No, I'm not aware that it has.
6	Q Has PG&E used the helicopters it
7	purchased to maintain any gas infrastructure
8	to date?
9	A No, I'm not aware that it has.
10	Q In 2018, did PG&E use the
11	helicopters under its contract with PJ
12	Helicopters to construct or maintain gas
13	infrastructure?
14	A No, it did not.
15	Q Now, can you please refer to lines
16	29 through 32 on the same page.
17	MR. OUBORG: Excuse me. What page is
18	that, Counsel?
19	MS. TORRES: 211.
20	Q And here you state that owning the
21	four helicopters provides PG&E heavy-lift
22	resource availability and control for its
23	restoration and construction support during
24	fire season.
25	Do you see what I'm referring to?
26	A I do, yes.
27	Q In 2018, when PG&E had an
28	exclusive-use contract for two helicopters,

1	did PG&E delay any construction or
2	restoration in order to accommodate a Cal
3	Fire request to utilize one of the
4	helicopters?
5	A No. In 2018, under the
6	exclusive-use contract, I worked around Cal
7	Fire's use of those helicopters.
8	Q So were any construction or
9	restoration activities delayed in 2018 due to
10	Cal Fire's use of the helicopters?
11	A Not during that time fame, not that
12	I'm aware.
13	Q Thank you. Please turn to page 214
14	of your rebuttal testimony. And it's lines 3
15	through 9. So here you discuss how PG&E will
16	make three of the four helicopters it
17	purchased available to Cal Fire during fire
18	season. And then at lines 5 through 7, you
19	state three helicopters will be stationed
20	strategically during firefighting season, in
21	Red Bluff, Vacaville and Paso Robles, thus
22	providing potential support statewide.
23	Do you see what I'm referring to?]
24	A I do, yes.
25	Q Is PG&E planning to make its
26	helicopters available for CAL FIRE to use
27	anywhere in the state; is that correct?
28	A Yes. So under the call-when-needed

contract with CAL FIRE, it would be through 1 2 the state. 3 So that includes fires that may Q occur outside of PG&E service territory? 4 5 Α I believe so, yes. 6 And now please turn to page 2-22 of 0 7 your rebuttal testimony. And here at lines 8 through 15 you discuss TURN's testimony 8 9 regarding the Army's plan to surplus 400 to 10 800 Black Hawk helicopters through 2026 and 11 you state: 12 It is estimated that approximately 13 200 of these have been sold so far. 14 Do you see what I'm referring to? 15 Α I do, yes. 16 Q And there isn't a citation for the 17 statement that 200 have been sold so far. 18 was wondering what were you relying on when making that statement? 19 20 I believe it was public articles 21 that were information that was available by a 22 public article. However, I did notice there 23 was the specifics from the article you had 24 presented to us including a number that was 25 pretty consistent with that as well. 26 And then here at lines 12 Okay. 27 through 15, you state: 28 Even if the US Army were to make

1	significantly more Black Hawks
2	available, it is speculative to
3	assume that these would find their
4	way into California for firefighting
5	duty, given the nationwide and
6	worldwide market for these machines.
7	And then you cite an article which
8	is the Exhibit I presented, Exhibit 75, and
9	this is the article from PEO Aviation, or
10	Program Executive Office Aviation, and it's
11	titled Benefits Rise from Black Hawk Sales
12	and Transfers. And can you please refer to
13	it's the last line on the first page and
14	the top line on the second page. It starts
15	with "eligible aircraft." It says:
16	Eligible aircraft through the BEST
17	Program, which is the Black Hawk
18	Exchange and Sales Program, are
19	offered first to US federal agencies
20	as a reimbursable transfer and state
21	agencies for surplus property as a
22	negotiated sale.
23	Do you see what I'm referring to?
24	A Yes.
25	Q Thank you. Is the US Forest
26	Service a federal agency?
27	A I believe so.
28	Q Does the US Forest Service conduct
	ı

1	firefighting to protect forest service lands
	firefighting to protect forest service lands
2	in California?
3	A I understand it does, yes.
4	Q Is CAL FIRE a state agency?
5	A It is, yes.
6	ALJ LIRAG: You're probably speaking a
7	little too fast, Mr. Glover.
8	WITNESS GLOVER: Yes, it is.
9	BY MS. TORRES:
10	Q So, according to the article, as
11	federal and state agencies, the US Forest
12	Service and CAL FIRE would have essentially
13	first priority to the helicopters that are
14	surplused; is that correct?
15	WITNESS GLOVER: According to this
16	article, yes.
17	Q Do you have reason to believe
18	that's not true?
19	A I don't, no.
20	Q And this was an article you
21	referenced in your testimony, correct?
22	A It was. Correct.
23	Q Thank you. Can you please turn to
24	page 2-36 of your rebuttal testimony? And it
25	will be lines 9 through 13. And here you
26	discuss the operational benefits of
27	guaranteed access to helicopters and
28	firefighting benefits of owning helicopters;

is that correct? 1 2 I'm sorry. Could you repeat which Α 3 page you were referring to? 4 2-36 and lines 9 through 13. 0 5 Α Yes. And are these firefighting benefits 6 0 you discuss here ratepayer benefits or 7 benefits to all of California's residents? 8 9 Α I think the benefits of these aviation assets would be, if operated within 10 11 our territory to our folks within our service 12 territory; if called through outside of the 13 territory, obviously they would be providing 14 support or benefit to the state of 15 California. 16 Q Thank you. Did PG&E consult with 17 CAL FIRE prior to its purchase of the four 18 helicopters to see if CAL Fire needed access to additional helicopters under a 19 20 call-when-needed contract? 21 Α My understanding is that PG&E did 22 not consult with CAL FIRE; however, during 23 the prior fire seasons, and operating in 24 partnership with PJ's and seeing the demand 25 for call-when-needed aircraft and 26 understanding the demand on those, we had an 27 understanding there was a heavy use of those 28 aircraft to fight fires.

1	Q Does CAL FIRE have access to other
2	heavy-lift helicopters under a
3	call-when-needed contract, than the four PG&E
4	purchased?
5	A They may. I'm not aware of what
6	their contracts they have.
7	Q Does PJ Helicopters have more than
8	two helicopters? Do you know?
9	A Yes. They have a variety of
10	different helicopters of different sizes and
11	capabilities.
12	Q Is it guaranteed that CAL FIRE will
13	need to utilize PG&E's helicopters to fight
14	fires?
15	A I think it's tough to say whether
16	its guaranteed. However, our experience in
17	the 2018 fire season when we did have the
18	2018 exclusive-use contract, CAL FIRE did
19	utilize we did allow CAL FIRE to utilize
20	PG&E's exclusive-use aircrafts for
21	approximately 66 days or that time frame or
22	about 256 hours.
23	Q Thank you. If CAL FIRE uses the
24	four helicopters PG&E purchased to fight
25	fires, do you think that would help PG&E's
26	
26	public image?
26 27	public image? A PG&E acquired the helicopters first

this case three of them, for firefighting --1 2 potentially for firefighting purposes and to 3 create additional availability to the state, as well as to use internally. I'm not aware 4 5 of a public benefit that may be perceived in 6 that as far as publicity-wise. 7 Q Do these four helicopters say "PG&E" on them? 8 They -- the logos, I believe, were 9 Α 10 removed. So they do not. 11 So they're just plain paint jobs? Q 12 Α They're painted white and I believe 13 they have a PG&E blue as well as other 14 high-visibility on there for CAL FIRE 15 purposes. But they do not say "PG&E" or have 16 Q the PG&E logo on them? 17 18 I don't believe they do anymore, 19 no. 20 Q Thank you. You said you don't 21 believe they do anymore. Did they initially? 22 I believe they may have. However, Α 23 under the call-when-needed agreement with CAL 24 FIRE, we were required to remove the logos 25 off of the assets. 26 Thank you. Can you please turn to 0 27 Exhibit 76, which is PG&E's responses to TURN 28 Data Request 95? And do you recognize these

1	as PG&E responses and attachments to TURN
2	Data Request 95?
3	A Yes, I do.
4	Q Were these responses prepared by
5	you or under your supervision?
6	A Yes, they were.
7	Q If I asked you the same questions
8	today, would you give me the same responses?
9	A I would.
10	Q Thank you. So please turn to
11	page 1 and this is Question 1. And PG&E
12	I'm sorry. Strike that.
13	Here TURN asked about the cost of
14	insurance for the helicopters and I'm just
15	discussing the four that PG&E had purchased.
16	And the response states that:
17	The annual cost to cover the
18	helicopters is approximately
19	\$720,000 and PG&E does not have
20	insurance coverage for the crew
21	because they are external
22	contractors; is that correct?
23	A That is correct.
24	Q In 2018, pursuant to the contract
25	with PJ Helicopters, did PG&E have insurance
26	coverage for those helicopters?
27	A No. During the contract period,
28	they were not owned by PG&E at the time.

So for the two helicopters pursuant 1 Q 2 to the exclusive-use contract, PG&E did not 3 have its own individual insurance policy for those helicopters, correct? 4 5 Α That is correct. 6 0 And I assume it did not have insurance policy for the crew? 7 They were not PG&E employees. They 8 Α 9 were employees of the contract company, PJ's. 10 Q Thank you. Please turn to page 5 of the exhibit and it's Roman Numeral II. 11 12 It's a table. The top table on the page. 13 So this shows which fires the helicopters under PG&E's exclusive-use 14 15 contract in 2018 were used for; is that 16 correct? That's correct. This table 17 Α illustrates when PG&E had released PJ's to 18 19 use these assets on CAL FIRE's fires under 20 the call-when-needed contract between PJ's 21 and CAL FIRE. 22 Thank you. And the Mendocino 0 Complex Fire is not included in this table; 23 24 is that correct? 25 My understanding is the Mendocino Complex Fires was a series of fires and that 26 27 one or two of these fires during the June or 28 July time frames, it may have been one of the

1 fires that came together to become known as 2 the Mendocino Complex Fires. 3 Do you know which of these fires? Q Α I believe it was the Pawnee Fire 4 5 wildfires. 6 Q Thank you. Thanks. 7 And now please turn to page 7 of the exhibit and review the response to 8 9 question 3(a). So here you state that: 10 PG&E had exclusive rights to the two 11 helicopters but it chose not to 12 exercise those rights. 13 Is that correct? 14 Α Yes. So under the exclusive-use 15 contract, it was under our exclusive use to use; however, there was a need for CAL FIRE 16 17 to use them, so we allowed CAL FIRE under our 18 exclusive-use contract to utilize those 19 helicopters. 20 And back to the Mendocino Complex 0 21 Fire, do you know when that fire began? 22 I don't have that information in 23 front of me, no. 24 I actually have it here in Q Exhibit 77. 25 This is from CAL FIRE's website regarding past wildfire information and if 26 27 you turn to page 1, this is information for 28 the Ranch Fire, which was part of the

1	Mendocino Complex. What does it list as the
2	date the fire started?
3	A Looks like July 27th.
4	Q Thank you. And what is the date
5	that this fire ended or it was extinguished?
6	A On here it says January 4th of
7	2018.
8	Q Thank you.
9	MR. OUBORG: Can I clarify the question
10	is about the Ranch Fire? Which page of the
11	exhibit are you referring to? Sorry,
12	Counsel.
13	MS. TORRES: Page 1. Yes. It's the
14	Ranch Fire, which was part of the Mendocino
15	Complex.
16	MR. OUBORG: I'm just trying to see if
17	it states it's part of the Mendocino Complex.
18	I see it's in the Mendocino National Forest.
19	Okay. I see it on the top. Okay. Thank
20	you.
21	BY MS. TORRES:
22	Q Thanks. Sorry to have you keep
23	jumping back and forth between exhibits, but
24	can you please turn back to Exhibit 76,
25	PG&E's Response to Data Request 95 and refer
26	to page 4?
27	Underneath the table it says:
28	"No requests were made by CAL FIRE

1 after August 20, 2018. It is 2 PG&E's understanding that there 3 was a contractual misunderstandind between CAL FIRE and PJ 4 5 Helicopters. As a result, CAL 6 FIRE no longer requested the use 7 of these two helicopters from August 20, 2018, through the end 8 9 of the year. 10 Is that correct? 11 Yes, that's correct. Until or 12 between the June time frame through 13 August 20th, CAL FIRE had utilized 14 approximately 256 hours or 66 days; however, 15 as a result of the misunderstanding with the 16 contract, CAL FIRE did not utilize resources 17 It was a misunderstanding due to after that. 18 a subcontracting role within the contract between CAL FIRE and PJ's. 19 20 So that was not a result of the 0 21 PG&E cutting off CAL FIRE or anything like 22 that? 23 Α No. Thank you. So if the Mendocino 24 Q 25 Complex Fire started before the contractual 26 misunderstanding with PJ Helicopters -sorry, strike that. 27 28 So if we go back to Exhibit 77, can

you please refer to the last page of the 1 2 exhibit, page four. This is the list of the 3 top 20 largest California wildfires according to CAL FIRE. Which fire is ranked as number 5 one on this list? On this list it's the Mendocino 6 7 Complex. Thank you. Is the Camp Fire on 8 Q 9 this list? 10 Α The Camp Fire is on this list. 11 And what is listed as the date for Q 12 the Camp Fire? 13 Α November 2018. 14 Q So did the Camp Fire occur after 15 the contractual misunderstanding between PJ 16 Helicopters and CAL FIRE? 17 Yes, that is correct. Α 18 0 So is it your understanding that 19 the two helicopters pursuant to PG&E's 20 exclusive-use contract were not used to fight 21 the Camp Fire? 22 Yes, that is correct. So as of 23 August, during the contract misunderstanding, 24 the helicopters were not used for a 25 call-when-needed use; however, they were used 26 by PG&E for its use. Thank you. Please turn back to 27 0 28 Exhibit 76. This is the page seven, the

1	response to Question 3. Sorry, it's 3-D,
2	Roman Numeral II. Here it states, "Under the
3	2018 EUC, PG&E has not needed to call PJ
4	Helicopters on short notice or within minimum
5	notice time."
6	Is that correct?
7	A That is correct, yes.
8	Q And the response to Roman Numeral I
9	above shows that minimum notice time is
10	30 minutes; is that correct?
11	A Yes, the minimum notice time was
12	agreed to as a 30-minute response.
13	Q Thank you. And please turn to
14	page nine of this exhibit. This shows or
15	these tables show when PG&E requested a
16	helicopter and then the flight date for the
17	helicopter, the flight time, the work
18	procedure, and the location; is that correct?
19	A That's correct.
20	Q So if you refer down to the month
21	of November, the last entry shows a request
22	date of November 20th and a flight date of
23	November 20th; is that correct?
24	A Yes, that's correct.
25	Q And this is for construction
26	activities in Paradise; is that correct?
27	A That's correct. That's what's
28	listed.

Was this construction work related 1 0 2 to the Camp Fire? 3 Α Presumably related to restoration work associated with the Camp Fire. 4 5 And now please turn to page 10, 6 which is the second page of the same attachment. I believe this is for the second 7 aircraft, same table. In the box for the 8 9 month of August, there are a few entries that 10 show flight dates where the flight was 11 requested and then the day after is the 12 flight date. So, for example, the second row 13 of the August box shows a request date of 14 August 1st and a flight date of August 2nd. Do you see what I'm referring to? 15 16 Α Yes, I do. 17 And the location for this entry is 0 Clearlake; is that correct? 18 19 Α Yes, there are two there for 20 Clearlake. 21 Do you know if this construction 0 22 work was related to a wildfire? 23 The table that we're looking at Α 24 here is jobs that were performed for PG&E 25 This is not the table that it would 26 identify it supporting a fire for CAL FIRE. 27 Yes, thank you. I meant was PG&E's 28 work related to restoration as a result of a

1	wildfire?
2	A Yes, it was construction work. It
3	was done in the Clearlake area.
4	Q And you believe that was
5	restoration work as the result of a wildfire?
6	A I'm not certain if that was
7	restoration work for the wildfire.
8	Q Thank you. On the fourth row of
9	the August box, it shows a request date of
10	August 5th and a flight date of August 6th.
11	The location is Redding.
12	Do you see what I'm referring to?
13	A Yes.
14	Q Do you know if this construction
15	work was related to the Carr Fire?
16	A I do not know if it was related to
17	the Carr Fire. No, I don't.
18	Q Can you please turn back to
19	page five of the Exhibit. The second table
20	on this page, this provides PG&E's
21	understanding of the active period start and
22	end dates and acreage burned for CAL FIRE
23	named fires noted in the table above.
24	Do you see what I'm referring to?
25	A Yes, I do.
26	Q And what are the active periods for
27	the Carr Fire listed here?
28	A States July 23rd through August the

28

1 30th. 2 So that entry we were just talking Q 3 about where the work was done on August 6th, that falls within the active period of the 4 5 Carr Fire; is that correct? It would according to these dates, 6 Α 7 yes. And on page five, the first table 8 Q 9 shows fires that CAL FIRE used PG&E's 10 helicopters for. Is the Carr Fire listed on 11 that table? 12 Α It is, yes. 13 And what dates are listed as to 0 14 when CAL FIRE used one of PG&E's helicopters? 15 Α The dates listed are July 24th 16 through August 20th. 17 0 Thank you. So it appears from 18 these records that for at least the Carr 19 Fire, there was a time when CAL FIRE used one 20 of PG&E's helicopters and PG&E also used one 21 of the helicopters during that period for 22 construction work; is that correct? 23 Α Generally speaking from a Yes. 24 sequencing perspective, one may have been 25 used to actually fight the fire or perform 26 firefighting activities. And then from a restoration perspective, it would make sense 27

that another helicopter may have been used to

1 restore or perform work in that area. 2 Thank you. Can you please refer Q 3 now to Exhibit 78, which are PG&E's responses to TURN Data Request 99. Do you recognize 4 5 these as PG&E's responses and attachments to TURN Data Request 99? 6 7 Α I do, yes. 8 Were these responses prepared by Q 9 you or under your supervision? 10 Α They were, yes. 11 Q If I asked you the same questions 12 today, would you give me the same responses? 13 Α I would, yes. 14 Q Thank you. So on page one it asks 15 some questions about PG&E's exclusive-use 16 contract with PJ Helicopters in 2018. Under 17 the exclusive-use contract, PG&E had 18 guaranteed access to the two helicopters 19 under the contract; is that correct? 20 That's correct. Α 21 And then in response to Q 22 Question 1-C, it indicates that CAL FIRE did 23 not ask PG&E or PJ Helicopters to include the 24 call-when-needed stipulation; is that 25 correct? So when we established the 26 Α Yes. 27 exclusive-use contract, we had not been asked 28 by CAL FIRE to do that; however,

understanding the potential need that may exist, particularly coming off of a pretty heavy fire season from the year before, we wanted to make sure that if there was a need from CAL FIRE to use these assets, they would be available to them.

Q Thank you. And we don't need to refer back, but I just want to make sure I am remembering correctly. In response to Data Request 95, Question 2, you indicated that CAL FIRE didn't utilize either of these two helicopters after August 20, 2018; is that correct?

A That's correct.

Q Thank you. Now please turn to pages three and four of Exhibit 78, which is the same Data Request 99. Page three is the questions and then page four are the responses. So here TURN asked about the maintenance inspection requirements for the heavy-lift helicopters, which were discussed on page 2-25 of your rebuttal testimony in footnote 50.

Here in response to Question 2-C,
Roman Numeral I on page four, you confirm
that the two maintenance inspections
discussed in footnote 50 do not occur
concurrently; is that correct?

1	A Yes, that is correct. The PMI-1
	, , , , , , , , , , , , , , , , , , , ,
2	and the PMI-2 are two separate services that
3	occur after the hours, 360 hours each, have
4	been occurred.
5	Q Okay. So a helicopter flies
6	360 hours, we do the first inspection. Then
7	it goes back out for 360 hours, and then the
8	second inspection is necessary?
9	A That is correct. So after
10	720 hours, the second inspection be
11	performed.
12	Q Thank you. And were the two
13	helicopters PG&E had under contract in 2018,
14	subject to these same maintenance and
15	inspection requirements?
16	A That is correct, yes.
17	Q And can you please refer back to
18	your rebuttal testimony, page 2-19,
19	specifically lines 10 through 29.
20	So here you discuss four instances
21	of unavailability of helicopters for
22	heavy-lift construction in 2011, 2015, 2016
23	and 2017.
24	Do you see what I'm referring to?
25	A Yes.
26	Q And for the 2015, 2016 and 2017
27	instances, you state that PG&E was able to
28	get access to a heavy-lift helicopter after

consultations with Cal Fire without any 1 2 significant delay; is that correct? 3 Α Yes. So these three instances represent two things: One, that there was a 4 5 demand simultaneously for the aviation assets 6 and two, based on the relationship that we have with Cal Fire, PJs and PG&E. 7 In these 8 cases, we were able to negotiate time to use 9 them. 10 However, I would also state that 11 these cases don't represent the possibility 12 of this occurring -- a guarantee in the 13 future as well. 14 Q Thank you. And for the 2011 15 instance, it says that PG&E consulted with 16 SDG&E to obtain use of a helicopter; is that 17 correct? 18 That is correct. Α 19 And this was to perform critical Q work on a hydro facility; is that right? 20 21 Α Correct. 22 Do you know if there was a delay in 0 23 service restoration due to PG&E's difficulty 24 in obtaining a helicopter in 2011? 25 Α I don't have that information. No. Did PG&E have an exclusive-use 26 0 27 contract for heavy-lift helicopter resources 28 during 2011, 2015, 2016 or 2017?

I don't believe it did. 1 Α No. 2 So 2018 was the first year PG&E had Q 3 an exclusive-use contract? Α That's my understanding, yes. 4 5 0 Thank you. Do you know what kind 6 of contract PG&E had to access helicopter 7 resources prior to 2018? 8 Α Generally these would be on a 9 call-when-needed type arrangement. Thank you. Can you please refer to 10 Q 11 page 2-29 of your rebuttal testimony. 12 Mr. Patterson, I think this is finally the 13 section of the testimony you sponsored. 14 lines 2 through 10. Here you discuss your criticism of TURN's analysis regarding the 15 16 cost of ownership versus the cost of renting 17 helicopters. At lines 7 through 8, you state 18 that the rental scenarios rely on the pricing 19 of an EUC, or exclusive-use contract, that 20 does not provide guaranteed access as 21 explained above in response -- sorry -- as 22 explained above in answer to Questions 58 and 23 62. 24 But earlier, when we were 25 discussing PG&E's responses to Data Request 26 99, it looks like PG&E did have the option to 27 deny Cal Fire's call-when-needed request; is 28 that correct?

1	WITNESS PATTERSON: I think that's
2	correct, yes.
3	Q Should we refer back to the
4	exhibit?
5	A I'm sorry. Which exhibit was that?
6	Q It's Exhibit 78, PG&E's responses
7	to Data Request 99. And I believe it's
8	Question 1(b).
9	MS. TORRES: Can we go off the record
10	for a second, your Honor.
11	ALJ LIRAG: All right. Off the record.
12	(Off the record.)
13	ALJ LIRAG: Back on the record.
14	MS. TORRES: Thank you, your Honor.
15	Q So here, if you refer to the
16	response to Question 1(b), it says, "Yes,
17	PG&E did have the option to deny Cal Fire's
18	request to use a helicopter if PG&E needed
19	it;" is that correct?
20	A Yes, that's correct.
21	Q So do you still believe an
22	exclusive-use contract does not guarantee
23	PG&E access to heavy-lift helicopters?
24	A Yes. That's right. My
25	understanding is that on the EUC contracts
26	that you're taking about the EUC contracts
27	we had in 2018?
28	Q Yes.
	1

That although we had the right to 1 Α 2 not allow Cal Fire -- I think that our belief 3 is that we would not do that. We would not deny Cal Fire the access to the helicopters. 4 5 But under the exclusive-use 6 contract, PG&E could have exercised its 7 exclusive rights if it needed to? 8 Α Well, my understanding is that's correct, but I actually would defer to Mr. 9 10 Glover because I think he's more expert on 11 the contracts that I am. 12 Thank you. If we could turn back 13 to the response to Data Request 99, Question 14 1, the first Question A says, "Was it PG&E's 15 choice to include the call-when-needed 16 stipulation?" Do you know the answer to that 17 off the top of your head? WITNESS GLOVER: Yes. We included an 18 estimation of potential hours that may be 19 20 used under the exclusive-use contract for 21 call-when-needed. 22 Q Then can you read the response to 23 Question C -- 1(c) into the record, please. 24 Α The answer to 1(c)? 25 0 Yes. "No, Cal Fire did not ask PG&E or 26 Α 27 PJ Helicopters to include the CWN stipulation 28 in the EUC."

1	Q So under the 2018 EUC, PG&E did
2	technically have guaranteed access to both
3	helicopters; is that correct?
4	A Contractually, yes.
5	MS. TORRES: Thank you. Can I have a
6	moment off the record, please.
7	ALJ LIRAG: All right. Off the record.
8	(Off the record.)
9	ALJ LIRAG: Back on the record.
10	MS. TORRES: Thank you. That's all my
11	questions. Thank you, both.
12	ALJ LIRAG: Did you feel left out, Mr.
13	Patterson?
14	WITNESS PATTERSON: Very much so.
15	EXAMINATION
16	BY ALJ LIRAG:
	BY ALJ LIRAG: Q So I have a couple of questions
16	
16 17	Q So I have a couple of questions
16 17 18	Q So I have a couple of questions just to, I guess, make things clearer on my
16 17 18 19	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of
16 17 18 19 20	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned
16 17 18 19 20 21	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the
16 17 18 19 20 21 22	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the exclusive-use helicopters as the two
16 17 18 19 20 21 22 23	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the exclusive-use helicopters as the two helicopters. You can follow along.
16 17 18 19 20 21 22 23 24	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the exclusive-use helicopters as the two helicopters. You can follow along. So are the two helicopters the same
16 17 18 19 20 21 22 23 24 25	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the exclusive-use helicopters as the two helicopters. You can follow along. So are the two helicopters the same type as the four helicopters in terms of
16 17 18 19 20 21 22 23 24 25 26	Q So I have a couple of questions just to, I guess, make things clearer on my end. And these are directed to either of you. I'll just refer to the owned helicopters as the four helicopters and the exclusive-use helicopters as the two helicopters. You can follow along. So are the two helicopters the same type as the four helicopters in terms of primary use?

difference? 1 2 Yeah. Α 3 So these are used primarily for Q firefighting, but they are also used for 4 5 construction services or construction work? 6 They are capable of doing both. 7 They are not -- the ones that we had in our 8 contract were not necessarily designated as 9 firefighting assets. They are I guess what 10 they would be considered in the industry as a 11 heavy-lift asset. So it could be lifting a 12 bucket with water or a power pole or 13 transmission tower. 14 Q Just for purposes of 15 non-firefighting use, meaning just 16 construction, are these used for 17 construction --18 Α Yes. 19 -- to lift -- primary it's used to Q 20 lift, I quess, materials? 21 To give just kind of a Α Yes. 22 ballpark of the amount of usage, 400 hours approximately in 2017 were used for 23 24 heavy-lift non-firefighting use, 700 in 2018 25 and approximately 700 hours in 2019 as well 26 for construction use. 27 So were the two helicopters used in 28 this manner?

Yes, they were. 1 Α 2 Is there a limit to the period you Q 3 were able to use the two helicopters for this type of construction work? 4 5 Α During the exclusive-use contract? 6 Q Correct. The exclusive-use contract had an 7 Α estimated amount of hours that were 8 9 associated with it. I believe the only thing that limited the work was the fire that was 10 11 going on sort of changed the direction of 12 where the company was going at the time. 13 Meaning if you were using it for 0 14 construction but there's like an emergency, 15 it needed to be used for firefighting 16 purposes, that would take precedence 17 presumably? 18 Α Presumably, yes. 19 Under the exclusive-use contract, Q 20 who had primary use of the two helicopters? 21 How does that work? 22 So the exclusive-use contract would Α 23 have been executed between PJ Helicopters and 24 PG&E. So PG&E would have had the discretion 25 of where to use the helicopters. 26 So what is the primary benefit of 0 27 owning the four helicopters versus the 28 exclusive-use contract under the use that you

had for the two helicopters? Why the shift 1 2 to owning helicopters versus continuing the 3 exclusive-use contract? So the exclusive-use contract ties 4 5 up existing assets with the existing 6 helicopters within the state. 7 Q What does that mean exactly? So there's a select -- there's a 8 Α 9 limited inventory of these heavy-lift 10 helicopters that are available for rent. So 11 by executing an exclusive-use contract, we 12 are essentially locking up two of the 13 state -- not State of California, but the 14 vendors inventory by purchasing and bringing 15 in four new assets into the state or 16 increasing the number of assets that are 17 available to everybody in the state. 18 So we're increasing the amount of available hours and not depriving existing --19 20 or other agencies from using vendors' 21 helicopters. 22 But when your -- you say you're depriving -- there's a limited use -- a 23 24 limited number of these -- I guess, these 25 helicopters. But isn't it the owner who makes that determination. If these are not 26 available, then they wouldn't lease it to 27 28 whoever is leasing it?

Does that make sense? 1 2 Α Could you repeat that. 3 So you're saying there's a limited Q availability or there might be limited 4 5 availability of these helicopters. But once 6 the exclusive-use contract is established, that eliminates that concern? 7 So it would eliminate the 8 Yes. concern from PG&E's perspective. 9 However, it 10 would be reducing two helicopters from other 11 folks to be using -- for other entities or 12 companies to be using. 13 But then if these helicopters were 0 14 needed by other folks, then Cal Fire or 15 whoever owned the helicopter would simply not 16 make it available for PG&E? 17 Α That's correct. 18 ALJ LIRAG: All right. 19 ALJ Lau. ALJ LAU: So Mr. Glover, just to 20 21 follow-up on your question -- your answer 22 regarding tying up resources or if PG&E were 23 to purchase the four helicopters, it would 24 free up resources for these vendors to loan 25 the helicopters to other resources. So would it be -- would it not be that for these 26 27 vendors, if they had exclusive-use contracts 28 with PG&E and other vendors, then they can do

an inventory of whether they should purchase the helicopters so that the state would not have tied up resources.

In other words, your hypothesis of locking those resources, would these vendors resolve the issue by owning the helicopters rather than PG&E owning the helicopters?

Am I clear?

THE WITNESS: Yes. It's -- I guess you're asking if the vendor purchased more helicopters, increased their inventory.

ALJ LAU: Well, your hypothesis is that if PG&E owned the helicopters, it would free up these four helicopters for the vendors to loan. But if PG&E had exclusive-use contracts with these vendors on these four helicopters, then the vendors can decide to purchase four extra helicopters that they can loan out to other resources if necessary so that the state would not have four less helicopters.

THE WITNESS: Sure. So I'm not a vendor, but I think it's a little speculative to assume that they would have the potential capital or funding to acquire four additional helicopters given the operating margins for these vendors are very small.

ALJ LIRAG: One final question. So

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prior to 2018, you also had access to these
 1
 2
     type of helicopters but on a non-exclusive
 3
     basis; is that correct?
           THE WITNESS: That's correct.
 4
 5
           ALJ LIRAG: All right.
 6
           ALJ LAU:
                    Sorry. I have a follow-up
 7
     question. So now, given the new regime or a
     new -- what do you call it -- with -- given
 8
 9
     the heightened fire risk -- wildfire risk
10
     that the state is having -- is it due to the
11
     heightened wildfire risk that PG&E is
12
     proposing to own the helicopters rather than
13
     using an exclusive-owned contract?
14
               That was a question.
15
           THE WITNESS: Yeah.
                                So we are
16
     proposing -- we have purchased the four
17
     helicopters, yes.
18
           ALJ LAU: Okay. Okay.
                                   That's good.
19
           ALJ LIRAG:
                       Yes, Ms. Torres.
20
                        I was just wondering if I
           MS. TORRES:
21
     could ask a follow-up question based on your
22
     question?
23
           ALJ LIRAG:
                      Yes.
24
           MS. TORRES:
                        Thank you.
25
           0
               So in response to ALJ Lirag's
26
     question, you mentioned that there was
27
     limited inventory of heavy-lift helicopters;
28
     is that correct?
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That's correct. Based on our 1 Α Yes. 2 experience. 3 What evidence has PG&E presented Q that there is a limited inventory of these 4 5 helicopters? There's been several cases. Ι 6 7 think that we've called out where the 8 helicopters have been used by -- in the four cases we presented used by Cal Fire and 9 needed simultaneously by PG&E and also by 10 nature of an exclusive-use contract --11 12 establishing an exclusive-use contract may 13 presume there's a shortage of assets that thus signing an exclusive-use agreement have 14 15 availability to them. 16 Q So you're saying the fact that PG&E 17 executed an exclusive-use contract in 2018 is 18 evidence of limited availability; is that 19 correct? 20 It would secure PG&E's availability Α 21 to these assets during a high-use period. 22 Has PG&E presented any evidence 0 23 that shows Cal Fire asked PG&E to purchase 24 these four contracts or Cal Fire says it 25 doesn't have access to enough helicopters? We have not submitted 26 Α No. 27 anything. 28 Thank you. ALJ LAU:

1	ALJ LIRAG: Any questions from the
2	Joint CCAs, by any chance?
3	MS. KANTOR: No. Thank you.
4	ALJ LIRAG: Let's call a 15-minute
5	break. Let's be back at 11:05 on that clock,
6	and then Mr. Ouborg can ask redirect
7	questions. All right?
8	MR. OUBORG: Thank you.
9	ALJ LIRAG: Off the record.
10	(Off the record.)
11	ALJ LIRAG: Let's go back on the
12	record.
13	We're back from our morning break.
14	And let's ask Mr. Ouborg if he has any
15	redirect questions.
16	MR. OUBORG: Yes, your Honor. I do.
17	ALJ LIRAG: Please proceed.
18	REDIRECT EXAMINATION
19	BY MR. OUBORG:
20	Q So Mr. Glover, earlier on, counsel
21	for TURN referred you to page 2-36 of your
22	rebuttal testimony, lines 9 to 13. Could you
23	turn to that.
24	A Okay.
25	Q And on lines 9 to 13, it states
26	that the real operational benefits of
27	guaranteed access to helicopters and the
28	firefighting benefits justify the additional

28

1 revenue requirement associated with owning 2 helicopters. Do you see that? Do you see 3 that language? 4 Α Yes, I do. 5 0 And counsel for TURN asked you to 6 describe whether those benefits accrue to PG&E ratepayers, and I believe you responded 7 that provided the services -- the 8 9 firefighting services were not outside of 10 PG&E service territory, you believed there 11 were benefits for PG&E's ratepayers. Could 12 you elaborate on those two benefits for the 13 benefit of the record? 14 Α Yes. The two primary benefits, one 15 being guaranteed access. So having 16 guaranteed access to these assets will allow 17 us to do timely and expedient restoration if 18 and when an event should occur, which would 19 get our customer's services restored faster 20 after an event. They also provide us with 21 timely and guaranteed access to use during 22 regular construction for our own facilities 23 as well. 24 Secondly, from a prevention 25 perspective, having firefighting access and 26 capabilities for these assets, these

a fire to occur, fire prevention would work

helicopters, would prevent -- in the event of

to prevent damage to facilities which would impact customers as well. So having the ability to prevent fires by use of these helicopters and prevent damage to PG&E facilities and prevent customer outages would be two benefits, guaranteed access and firefighting.

Q Thank you. Can we now turn to the issue that was raised regarding the painting of the helicopters. I believe TURN's counsel asked you whether the helicopters were -- how they were painted and whether they had a PG&E logo on them. Would you care to clarify the response?

A Yes. I misstated. They have a small logo that's on the engine cowl that's not visible when the aircraft are in the air.

Q And finally, could you turn to exhibit -- what's been numbered Exhibit 76, which is PG&E's response to TURN Data Request 95, and turn to page 10 of that exhibit. And this is a table which shows the days on which PG&E used one of the aircraft that was subject to the exclusive-use contract in 2018. And it shows the date PG&E requested usage of the aircraft. This is all, by the way, for PG&E's internal construction use. And it shows the date that the aircraft was

requested internally, and then it shows the 1 2 flight date and then where the helicopter was 3 used. If you could look at -- in the 4 5 left-hand column, the first date in August is 6 8/5/18. Do you see that? 7 Α Yes. And then the second date in 8 0 9 August -- this is the request date -- is 10 8/6/18. Do you see that? 11 Α Yes. 12 And all those -- all those 0 13 construction usages of the aircraft were at a 14 location listed as Redding. Do you see that? 15 Α Yes. 16 Q And TURN's counsel asked you 17 whether you knew whether that construction 18 work by PG&E was related to restoring service 19 during a Carr Fire, I believe is what she 20 asked you. Do you remember that? 21 Α Yes. 22 Can you clarify your response to 0 23 her question about those usages? 24 Α Yes. Those usages were in regards 25 to restoring services that were related to 26 the Carr Fire. 27 MR. OUBORG: Thank you. Your Honor, 28 that concludes my redirect.

All right. Let me go 1 ALJ LIRAG: first, Ms. Torres, because I'll forget. 2 3 Under the exclusive-use contract, there is almost like guaranteed use. 4 Is that 5 true? That's correct. 6 THE WITNESS: 7 ALJ LIRAG: What is the difference, if 8 any, between guaranteed access of owning 9 the -- a helicopter versus guaranteed use 10 under the exclusive-use contract, if any? 11 THE WITNESS: So owning the helicopters 12 provides four additional helicopter assets 13 that would be available for PG&E exclusively. 14 Having an exclusive-use contract with a 15 vendor is essentially tying up two of their X 16 number of inventory. So, essentially, they 17 would provide similar access to PG&E to use 18 the assets. However, PG&E having access 19 to -- or having four helicopters under an 20 ownership model would allow other vendors to 21 have more inventory to be used for other 22 purposes such as firefighting. 23 Ms. Torres. ALJ LIRAG: 24 MS. TORRES: Thank you, your Honor. 25 I just have one question. In 26 response to redirect, you said that the guaranteed access benefits allow for faster 27 28 service restoration after an event, and I was

1 wondering faster in regards to what? 2 In the event -- faster in regards Α 3 to in the event a helicopter through a vendor would not be available to perform a service 4 5 restoration, owning a helicopter would 6 guarantee that we would have access to those helicopters to perform restoration. 7 But under the 2018 exclusive-use 8 0 9 contract, PG&E did have guaranteed access to 10 those two helicopters; is that correct? 11 We did, however, including the Α 12 call-when-needed stipulation in there. 13 There's a potential that those helicopters 14 could have been tied up, or in the future, if 15 such an agreement were to be set up, that 16 those helicopters could be tied up when we 17 need them to restore services. 18 But it was PG&E's choice to include 0 19 the call-when-needed stipulation, correct? 20 It was PG&E's choice to include 21 that for the benefit of the -- Cal Fire 22 having access to put out the fire. 23 And CAL FIRE did not ask for that Q 24 call-when-needed stipulation to be included, 25 correct? They did not. 26 Α No. 27 Q Thank you. 28 ALJ LIRAG: Any questions from the

1	Joint CCAs of the redirect?
2	MS. KANTOR: No. Thank you, your
3	Honor.
4	ALJ LIRAG: All right.
5	Ms. Torres, is there a move to admit
6	Exhibits 75 through 79 for the record?
7	MS. TORRES: Yes, your Honor.
8	ALJ LIRAG: Any objections?
9	(No response.)
10	ALJ LIRAG: Hearing none, Exhibits 75,
11	76, 77, 78 and 79 are received into the
12	record.
13	(Exhibit No. 75 was received into evidence.)
14	(Exhibit No. 76 was received into
15	evidence.)
16	(Exhibit No. 77 was received into evidence.)
17	(Exhibit No. 78 was received into
18	evidence.)
19	(Exhibit No. 79 was received into evidence.)
20	
21	ALJ LIRAG: Thank you, both.
22	Mr. Patterson and Mr. Glover, you're
23	both excused.
24	Off the record.
25	(Off the record.)
26	ALJ LIRAG: Let's go back on the
27	record.
28	While we were off the record, we

1	were sorting out the witnesses and we
2	received some exhibits for the deferred work
3	panel composed of Ms. Gibson, Ms. Ong, and
4	welcome back, Mr. Abranches.
5	All right. First, let's have all
6	three of you raise your right hand.
7	ANDREW ABRANCHES, called as a
8	witness by Pacific Gas and Electric Company, having been sworn, testified
9	as follows:
10	ANGIE GIBSON, called as a witness by Pacific Gas and Electric Company,
11	having been sworn, testified as follows:
12	PEI SUE ONG, called as a witness by
13	Pacific Gas and Electric Company, having been sworn, testified as
14	follows:
15	ALJ LIRAG: And then one at a time, I
16	guess. Let's start with Mr. Abranches.
17	WITNESS ABRANCHES: Yes, I do.
18	ALJ LIRAG: Ms. Gibson.
19	WITNESS GIBSON: Yes, I do.
20	ALJ LIRAG: Ms. Ong.
21	WITNESS ONG: Yes, I do.
22	ALJ LIRAG: One at a time, please state
23	your name, except for Mr. Abranches, spell
24	out your last name. And, again, except for
25	Mr. Abranches, provide a business address.
26	WITNESS ABRANCHES: My name is Andrew
27	Abranches.
28	WITNESS GIBSON: Angie Gibson,

```
1
     G-i-b-s-o-n.
                   2641 North State Street, Ukiah.
 2
     That's U-k-i-a-h.
 3
           WITNESS ONG: Pei Sue Ong, O-n-g, 77
 4
     Beale, San Francisco.
 5
           ALJ LIRAG: All right. Thank you.
               Let's identify the exhibits relating
 6
 7
     to these three witnesses.
 8
               First is Exhibit 90, nine-zero.
 9
     This is the prepared testimony of various
     PG&E witnesses on the Results of Operations.
10
11
     Sorry. 80, Exhibit eight-zero.
12
               (Exhibit No. 80 was marked for
               identification.)
13
           ALJ LIRAG: Exhibit 81 is the RO
14
15
     Workpapers, Chapter 1.
               (Exhibit No. 81 was marked for
16
               identification.)
17
           ALJ LIRAG: Exhibit 82 is the
18
19
     Workpapers for the RO Chapters 2 through 6.
20
               (Exhibit No. 82 was marked for
               identification.)
21
           ALJ LIRAG: Exhibit 83 is the
22
23
     Workpapers on the RO Supporting Chapters 7
24
     through 9.
25
               (Exhibit No. 83 was marked for
               identification.)
26
27
           ALJ LIRAG: Exhibit 84 Workpapers for
28
     the RO Supporting Chapter 10.
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1	(Exhibit No. 84 was marked for identification.)
2	Tuentti Toatton. j
3	ALJ LIRAG: Exhibit 85 is the
4	Workpapers for the RO Supporting Chapter 11,
5	Volume 1.
6	(Exhibit No. 85 was marked for identification.)
7	identification.)
8	ALJ LIRAG: Exhibit 86 is the
9	Workpapers Supporting Chapter 11
10	Workpapers for RO Supporting Chapter 11,
11	Volume 2.
12	(Exhibit No. 86 was marked for identification.)
13	identification.)
14	ALJ LIRAG: Next is Exhibit 87. It's
15	the RO Workpapers on Chapter 12, Volume 1.
16	(Exhibit No. 87 was marked for identification.)
17	ruentri reation.)
18	ALJ LIRAG: Exhibit 88 is the RO
19	Workpapers Supporting Chapter 12, Volume 2.
20	(Exhibit No. 88 was marked for identification.)
21	ruentri reation.)
22	ALJ LIRAG: Exhibit 89 is the RO
23	Workpapers Supporting Chapters 13 through 16.
24	(Exhibit No. 89 was marked for identification.)
25	ruentri reation.)
26	ALJ LIRAG: And then we have a
27	cross-exhibit from TURN. This will be
28	Exhibit 90. This is PG&E's Response to TURN

1	Data Request 92-1.
2	(Exhibit No. 90 was marked for
3	identification.)
4	Mr. Ouborg.
5	MR. OUBORG: Thank you.
6	DIRECT EXAMINATION
7	BY MR. OUBORG:
8	Q Good morning, Ms. Gibson.
9	WITNESS GIBSON: Good morning.
10	Q I would like to confirm the
11	testimony that you are sponsoring in this
12	proceeding.
13	In what has been marked for
14	identification as Exhibit 16, Volume 1, are
15	you sponsoring all of Chapter 4 Electric
16	Emergency Recovery, and the workpapers for
17	Chapter 4 presented in what is being marked
18	as Exhibit 18?
19	A Yes, I am.
20	Q And what is being marked as
21	Exhibits 6 and 20 and 21, are you sponsoring
22	a portion of Exhibit 6, Chapter 2 Rebuttal
23	Testimony on Integrated Planning and
24	Affordability; all of Exhibit 22, Chapter 4
25	Rebuttal Testimony on Electric Emergency
26	Recovery, and the documents in Exhibit 6 and
27	Exhibit 21 that relate to your sponsored
28	rebuttal testimony?

1	A Yes, I am.
2	Q And finally in Exhibit 52, are you
3	sponsoring your statement of qualifications?
4	A Yes, I am.
5	Q And were these materials prepared
6	by you or under your supervision?
7	A Yes, they were.
8	Q And do you have any changes or
9	corrections to make to your testimony at this
10	time?
11	A No. I don't.
12	Q Are the facts contained in the
13	exhibits true and correct, to the best of
14	your knowledge?
15	A Yes, they are.
16	Q And do the opinions expressed
17	therein represent your best professional
18	judgment?
19	A Yes, they do.
20	Q And Ms. Ong, good morning.
21	WITNESS ONG: Good morning.
22	Q I'd like to confirm the testimony
23	that you're sponsoring in this proceeding.
24	In what have been marked for identification
25	as Exhibits 80 and 53, are you sponsoring all
26	of Exhibit 80, Chapter 9, Electric Gas and
27	Common Plant?
28	A Yes, I am.

1	Q And all of Exhibit 80, Chapter 14,
2	Electric Gas and Electric Distribution and
3	Generation Rate Base?
4	A Yes, I am.
5	Q Okay. Thank you. All of
6	Exhibit 53, Chapter 3, Rate Base Growth and
7	Attrition Years and Related Costs and the
8	workpapers presented in Exhibits 83 and 89
9	and Exhibit 54?
10	A Yes, I am.
11	Q In what has been marked as
12	Exhibits 6 and 72, are you sponsoring a
13	portion of Exhibit 6, Chapter 2, Rebuttal
14	Testimony on Integrated Planning and
15	Affordability?
16	A Yes, I am.
17	Q All of Exhibit 72, Chapter 9,
18	Rebuttal Testimony on Electric Gas and Common
19	Plant?
20	A Yes.
21	Q And a portion of Exhibit 72,
22	Chapter 14 and Attachment A, Rebuttal
23	Testimony on Gas and Electric Distribution
24	and Generation Rate Base?
25	A Yes.
26	Q And the documents in Exhibit 72
27	Appendix A that relate to your sponsored
28	rebuttal testimony?

1	A Yes, I am.
2	Q And what have been marked as
3	Exhibits 26 and 27 PG&E's pre-submitted
4	errata, are you sponsoring those pages in
5	those errata that relate to your testimony?
6	A Yes, I am.
7	Q And finally in Exhibit 52, are you
8	sponsoring your Statement of Qualifications?
9	A Yes, I am.
10	Q Ms. Ong, were these materials
11	prepared by you or under your supervision?
12	A Yes, they were.
13	Q And do you have any changes or
14	corrections to make to them at this time?
15	A No, I don't.
16	Q And are the facts contained in
17	these exhibits true and correct, to the best
18	of your knowledge?
19	A Yes.
20	Q And to the extent they constitute
21	opinions, do they represent your best
22	professional judgment?
23	A Yes.
24	MR. OUBORG: Thank you, your Honor.
25	Mr. Abranches and Ms. Gibson and
26	Ms. Ong are now available for cross.
27	ALJ LIRAG: All right.
28	Mr. Long.
	1

1 MR. LONG: Thank you, your Honor. 2 As a preliminary, let me just note that while the board shows 20 minutes 3 cross-examination for TURN, I think a more 4 5 realistic estimate is 30 minutes more or 6 less. 7 ALJ LIRAG: That's fine. CROSS-EXAMINATION 8 9 BY MR. LONG: Good morning. 10 Q 11 WITNESS ABRANCHES: Good morning. 12 I'm Tom Long with TURN. 13 I'm going to ask most of my 14 questions about the electric distribution 15 deferred work issues -- well, all of them 16 will be about electric distribution deferred 17 work issues. And most of my questions will 18 be related to Exhibit 6, which is the 19 rebuttal testimony that was formerly known as 20 So if you could put that in front PG&E-16. 21 of you. 22 My first question relates to 23 page 2-25 of that exhibit. And this question 24 relates to question and answers 54 and 55. 25 And with respect to those questions and 26 answers, am I correct in understanding that 27 there is no dispute that PG&E deferred a 28 total of \$97 million of previously-authorized

and funded capital spending on various 1 2 electric distribution programs identified in 3 TURN's testimony? That is correct. 4 5 0 And now TURN's testimony refers to 6 this as funding that was diverted for other 7 purposes. Do you have any problem with that characterization? 8 9 Α I do not. No. 10 Now this may be a question for Q Ms. Ong, but if I'm wrong, let me know. 11 12 Ratepayers have been paying revenue 13 requirement on the \$97 million in capital 14 funding in the period 2017 through 2019; is 15 that right? 16 WITNESS ONG: Revenue requirements have 17 been calculated for the 2017 to '19 period 18 based on the 2017 forecasted capital 19 expenditures. 20 And those forecasted capital Q 21 expenditures included in \$97 million, that's 22 at issue in this rebuttal testimony; is that 23 right? 24 Α That's right. Let's pause for a second. 25 ALJ LIRAG: Off the record. 26 (Off the record.) 27 28 ALJ LIRAG: Let's go back to record.

	1
1	Please continue, Mr. Long.
2	BY MR. LONG:
3	Q The next question relates to
4	page 2-27, answer 59. And that again I think
5	is Ms. Ong's portion of the testimony. There
6	at lines 18 and 19, you state:
7	The \$97 million is not included in
8	the PG&E's 2020 GRC recorded rate
9	base.
10	Do you see that?
11	WITNESS ONG: Yes, I do.
12	Q But it was included in the 2017 GRC
13	rate base. I think we just established that;
14	is that right?
15	A That is correct.
16	Q And that's why, indeed why
17	ratepayers have been paying revenue
18	requirement on that \$97 million; is that
19	right?
20	A Yes, however, in forecast
21	ratemaking actual expenditures will always
22	defer from forecast.
23	Q And that will get addressed in the
24	following GRC, correct?
25	A That is correct.
26	Q Okay. Now at the top of page 2-8,
27	you say at line beginning at line 4:
28	Because the \$97 million has not beer
	i

incurred and will not be incurred 1 2 from 2017 to 2019, it is not included in the recorded and 3 forecast rate base for the 2017 to 4 5 2019 period. 6 Do you see that? 7 Α Yes, I do. But if I'm understanding PG&E's 8 0 9 testimony earlier in this part of the rebuttal testimony, PG&E is saying that it 10 11 reprioritized its spending and used that 12 \$97 million for other purposes. Is that your understanding? 13 14 Α That is my understanding, but 15 Mr. Abranches is the expert witness on that. 16 Q Is that your understanding, 17 Mr. Abranches? 18 WITNESS ABRANCHES: That is my 19 understanding, yes. 20 So because the \$97 million was 0 21 spent elsewhere, it is being included in this 22 2020 GRC and the recorded and forecast rate 23 base for 2017 to 2019; isn't that right? 24 WITNESS ONG: PG&E has spent capital 25 expenditures on other programs. Based on the 26 2020 GRC, PG&E included as its base forecast 27 recorded 2017 capital expenditure amounts. 28 And we updated the forecast for years 2018 to

1 2022. 2 I'd like a yes or no answer to my 3 Because the \$97 million was auestion. reprioritized and spent elsewhere, that 4 5 amount is being included in the 2020 GRC 6 recorded and forecast rate base for 2017 to 2019; isn't that right? 7 The 97 million has been included in 8 Α the 2020 GRC, but included in other programs. 9 10 Q Okay. Thank you. 11 Now let's go back to page 2-25. This may be for you, Mr. Abranches. 12 13 Answers 55 and 56; am I correct in 14 inferring from these answers that PG&E diverted the \$97 million to other purposes 15 16 that PG&E identified as higher priority? 17 WITNESS ABRANCHES: Yes. That is 18 correct. They were diverted. It was 19 reprioritized, though. Referring to 2-32 -- this is again 20 Q 21 you, Mr. Abranches, I believe. 22 Α Yes. 23 Line 6 through 9, you used the term Q "excess funds." You say: 24 25 There is not a one-to-one trade-off in excess funds to needed funds. 26 27 Excess funds are pooled, funded 28 needs are evaluated and additional

funding is given to the programs 1 2 that need it the most. 3 So with respect to that term "excess funds," is the \$97 million that we 4 5 are discussing an example of excess funds? 6 It's part of the excess funds 7 across all the programs. My answer is yes. As part of all the programs that underspent, 8 9 a portion of those were \$97 million. 10 Now back to page 2-25. Q Okay. Ι 11 think this is still you, Mr. Abranches, 12 answer 56, lines 22 to 23. You state: 13 PG&E does not track individual 14 dollars that are assigned to and/or 15 taken from specific programs. 16 Do you see that? 17 Α I do. 18 0 Based on that, is it correct that PG&E is not able to identify specifically 19 20 which programs received the \$97 million in 21 diverted funding? 22 What PG&E has shown is at a program Α 23 level here is an aggregate what we did spend 24 and where it also shows on an aggregate level 25 over a three-year period or forecasted, 26 here's the programs we did underspend. 27 Q Yes. That does not answer my 28 question, however.

Is it correct that PG&E is not able 1 to identify specifically which programs 2 received the \$97 million in diverted funding? 3 That is correct. Α 4 5 0 Okay. And then I'd like you then 6 to look at what's been marked as Exhibit 90, Question 1(b). It's referring to that Answer 7 8 69 we looked at a moment ago. I'm sorry. 9 Are you there? Do you have the document, Mr. Abranches? 10 11 Α Yes. 12 So a moment ago we looked at answer 0 13 69 on page 2-32 where we talked about the term "excess funds." And 1(b) asks: 14 15 Is answer 69 saying that excess 16 funds are pooled prior to 17 determining specifically which 18 programs will receive them? 19 And the answer is: 20 Yes, when excess funds become 21 available, they are pooled until 22 PG&E determines where they are 23 needed most. 24 So my question is: Because excess 25 funds are pooled before determining which programs will receive them, that's what 26 27 prevents PG&E from being able to identify 28 specifically which programs receive the

\$97 million in diverted funding; is that 1 2 right? 3 Α That is correct. 4 0 Now, I think this is for you, 5 Mr. Abranches, are you aware that at least some of the diverted \$97 million was diverted 6 7 to emergency work? Α That's incorrect. It's not the 97 8 9 million that was diverted to emergency work. 10 It was the resources that were in place to do 11 the work that contributed to the 97 million 12 was devoted to do emergency restoration work. 13 So the resources were diverted and as a 14 result, those funds were underspent. Well, you're confusing me a 15 Okay. 16 little bit. So \$97 million was diverted. 17 That was money that was earmarked for one 18 purpose, but then it was pooled and then that 19 money was used for among other purposes to do 20 emergency work; is that right? 21 That's incorrect. It wasn't Α No. 97 million that's diverted. There's work 22 23 that needs to be done on the system. 24 emergency event took place. The resources 25 that were allocated to do that work were then 26 moved to the emergency work that needed to be 27 done that took higher priority.

those resources moved to that work, on the

original programs where those resources would have been deployed, those programs ended up underspending. When they'll end up underspending, we pooled those resources for redeployment to what is the most emergent need at this point in time or that point in time. Let's break this down. So

Q Let's break this down. So \$97 million moves into the pool of excess funds; is that right?

A After the fact. So it does move into the pool of funds, but it moves. It's a timing issue. You plan to say, "I need to do this work. I need to do -- replace these assets." An emergency event occurs. A storm occurs. You redeploy your troublemen. You redeploy your resources. As a result, those resources don't charge the original jobs that they were planning on doing if it was a blue-sky day.

Q When all is said and done, after all the money has been moved around, \$97 million that was originally targeted for the various programs that -- where PG&E underspent, that \$97 million has now been used for other purposes including emergency work; is that correct?

A You're right. Correct. I did

provide an explanation as to where those funds were used in aggregate, I believe.

Q We have already been over the in aggregate and I understand your point, but I followed up with specifically you don't know how those funds were used and which other programs they were used for.

A I don't know where the exact 97 million -- I don't know where each dollar of the 97 million. But in aggregate of safety-related work, that would be equivalent to that work that would have been done, 97 million; we allocated an additional \$111 million to WRO and an additional 153 million to pole replacement program, which would be equivalent to that work that fell under the category of safety.

Q Okay. But when you say these things, then we have to go back and reestablish what I think we just agreed on, which is that \$97 million was originally earmarked for certain electric distribution programs and you are not able to identify which other programs, including emergency work, received the benefit of that \$97 million; is that right?

A That is correct. I'm not able to identify. And if I have the luxury of an

My wife gets a 1 analogy, the analogy is this: 2 pavcheck. It's about \$2,000. It goes in our 3 checking account. I get a paycheck. It's another \$2,000. It goes in our checking 4 5 account. And then I get a gift from my mom, 6 another \$2,000. So that's \$6,000 that's 7 sitting in my checking account with the original 1,000 that may have been there, so 8 9 that's \$7,000. 10 When my mortgage bill comes in 11 later in the month, I pay the \$3,500 from my 12 checking account. You ask me to say did the 13 3,500 come from my wife's paycheck, my 14 paycheck, the gift, or the original. I'm 15 unable to show you that. 16 Q Okay. Well, you know, I think 17 we're going to get to the reason why TURN has 18 the concern so now I'm going to start asking you questions about that. 19 20 Α Okay. 21 The money that was used, the Q 22 23

beneficiary programs of the \$97 million we've established included emergency work; right?

> Α Yes.

24

25

26

27

28

0 Now, that emergency work is eligible for recovery under CEMA, C-E-M-A is the acronym, which stands for Catastrophic Emergency Memorandum Account, or PG&E's MEBA,

Α

1 M-E-B-A, which stands for Major Emergency 2 Balancing Account; is that right? 3 Α That is correct, but I would like to clarify. While I underspent \$97 million, 4 5 I overspent on my pole replacement program 6 153, well in excess of that 97. So my logic 7 says I couldn't have spent very much on the 8 emergency from that 97 million. 9 So the concern TURN has raised, I Q think you're aware, is that \$97 million was 10 11 funded and paid for by ratepayers through the 12 revenue requirement, which we've established, 13 Ms. Ong. 14 Α Right. 15 Then you have -- then that money is Q 16 being used for other emergency work that PG&E 17 has the opportunity to recover again through 18 either a CEMA application or through a MEBA, 19 a true-up advice letter; isn't that right? 20 Α That is right with regards to the 21 MEBA and the CEMA, yes. 22 Let's say that some of the Q 23 previously-funded \$97 million was used for 24 emergency work that PG&E is able to 25 successfully recover in a CEMA application. 26 Do you agree that that would be double 27 recovery?

I'd like to take issue with your

statement that the 97 million was used for emergency work. What I'm stating is the 97 million was used for pole replacement work which was 153 million, well in excess. We did spend on emergency work as well.

Q Okay. Well, I'm asking you to assume that some of that previously-funded \$97 million went to other programs, other emergency programs, and that PG&E ultimately is able to successfully recover for that emergency work through a CEMA application. Can you --

A I'm unwilling to make that assumption that it was used for emergency work. What I'm saying is it could have, but I'm unwilling to make that assumption because I've stated that 153 million was spent on pole replacement work well in excess of the 97 million.

Q I'm going to ask you to make that assumption because this is a hypothetical and I believe our testimony shows that that is in fact what happens, but I understand you have the right to disagree.

So with that assumption in mind -MR. OUBORG: Your Honor, can I object?
If the witness has said he does not agree
with it, how can he now be asked to answer a

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question assuming something he doesn't agree
 1
 2
                    That's not a hypothetical.
     with is true?
 3
     That's asking him to disagree with his own
     testimony.
 4
 5
           MR. LONG: Your Honor, that's the very
 6
     definition of a hypothetical. A hypothetical
 7
     asks for an assumption to be made and for the
 8
     witness to answer based on the hypothetical.
 9
     It's up to TURN to demonstrate --
           ALJ LIRAG:
                       I'll allow it because I
10
11
     want to follow what Mr. Long is trying to get
12
     to.
13
           MR. OUBORG:
                        Okay.
14
           MR. LONG:
                      So again --
15
                       Just make clear, Mr. Long,
           ALJ LIRAG:
16
     whether you're asking a hypothetical or a
17
     non-hypothetical. I think right now we're at
18
     the hypothetical.
19
     BY MR.
             LONG:
                     This is a hypothetical and
20
           0
               Yes.
21
     it's asking, Mr. Abranches, for you to assume
22
     that some of the previously-funded
23
     $97 million was used for emergency work that
24
     PG&E successfully recovered in a CEMA
25
     application. Would you agree that that would
26
     be double recovery?
27
           WITNESS ABRANCHES:
                                If PG&E
28
     successfully recovered it in the CEMA
```

application under this hypothetical, yes, it 1 2 will be double recovery. 3 It would be double recovery Q Right. because it would have recovered once in the 4 5 revenue requirement in the 2017 GRC. 6 That's number one; correct? 7 Α Correct. 8 And then number two would be again 0 9 in the CEMA revenue requirement; correct? Hypothetically it's correct, but I 10 Α 11 think Ms. Gibson will be able to explain how 12 the CEMA recovery works to prevent the double 13 recovery from occurring. 14 Q Isn't it the case that PG&E is not 15 able to provide an accounting of how much of 16 the diverted \$97 million may have gone for 17 emergency work that is booked to CEMA or 18 MEBA? 19 Α Yes. I cannot provide an exact 20 dollar-to-dollar translation; however, I can show the facts which show that I overspent 21 22 well in excess of the 97 million. Ι 23 explained 153 million on a program equivalent 24 to what that 97 million would have been spent 25 on. 26 Given your previous answer, this 0 27 means that a future CEMA or MEBA request

could include costs that were previously

1	authorized by the Commission for cost
2	recovery; is that right?
3	A Are we hypothetical here?
4	Q No, we're not in hypothetical.
5	A Could you repeat the question.
6	Q Yes.
7	ALJ LIRAG: Let me alleviate some of
8	your concerns, Mr. Abranches, and also
9	Mr. Ouborg. I will ask Ms. Gibson how the
10	CEMA and the other balancing account works so
11	that way Ms. Gibson will be able to answer
12	why a I'm guessing the explanation is that
13	why a double recovery would not work.
14	WITNESS ABRANCHES: Okay.
15	ALJ LIRAG: So don't worry too much
16	about what Mr. Long is asking you and just
17	answer it directly. I will ask that question
18	to Ms. Gibson.
19	Please proceed, Mr. Long.
20	BY MR. LONG:
21	Q All right. So my question again
22	was based on your previous answer. What that
23	means is that a future CEMA or MEBA request
24	could include costs that were previously
25	authorized by the Commission for cost
26	recovery?
27	A Yes.
28	Q Now, I believe Ms. Gibson, this

1 question is for you. I'm referring to page 2 2-30, Answer 66. Let me know when you're 3 there. WITNESS GIBSON: I'm here. 4 5 The question asks beginning at 0 6 line 17, "Is PG&E confident that double 7 recovery of \$97 million of electric distribution capital costs is unlikely?" 8 9 then the answer is yes. And then we're going 10 to go over the various reasons you give, but 11 that is your answer. 12 The answer is yes, PG&E is 13 confident that double recovery is unlikely; 14 is that correct? 15 Α That is correct. 16 Q So let's look at the reasons you 17 give in that answer. The first reason you 18 give is beginning at line 20, "The processes 19 that PG&E employs around recording costs and 20 dedicated orders and the detailed review of 21 eligible costs by both the LLB and business 22 finance." 23 Do you see that? 24 Α I do. 25 Okav. How do these processes that 0 you refer to and this detailed review that 26 27 you refer to avoid double recovery if PG&E

does not know whether the source of the funds

1 is seeking, in a CEMA or an MEBA request, 2 came from the \$97 million? 3 Α With the Catastrophic Event Memorandum Account and the Major Emergency 4 5 Balancing Account, they both have independent 6 recovery mechanisms separate from that we 7 have in our base rate system. All 8 emergencies start as Major Emergency 9 Balancing Accounts. All major emergencies start as Major Emergency Balancing Accounts 10 11 as provided in my testimony. 12 Once a disaster declaration is 13 received, those emergencies are then recoded, 14 the order number that we -- individual 15 specific order number that we set up by 16 division and county is recoded to CEMA 17 separating it from the Major Emergency 18 Balancing Account and from base rates. Then 19 through the Catastrophic Event Memorandum 20 Account proceeding, it is the burden of PG&E 21 to prove incrementality. 22 Q So my question is about the Okay. 23 request, not what happens at the end of it, 24 so at the request. 25 I'm not sure I understand what you mean by "the request." 26 27 Q So the request that PG&E may make 28 in a CEMA or MEBA; that is, a CEMA

1 application or a MEBA request for a true-up 2 above the authorized level; okay? 3 Α Uh-huh. All right. In that request, how 4 0 does PG&E know that it's not seeking double 5 recovery if it doesn't know whether the 6 source of the funds that enable that work 7 came from the \$97 million? 8 9 Because all Catastrophic Event Α Memorandum Account costs in electric 10 11 distribution, as I indicated, begin in the 12 Major Emergency Balancing Account. 13 balancing account is separately funded. The 14 funding does not change month over month. Ιt 15 stays the same regardless of how much money 16 we spend in the program. That balancing 17 account is trued up at the end of the year. 18 So if we underspend another program 19 and we overspend in major emergency, that 20 does not matter. Those dollars do not move. 21 They remain consistent in the Major Emergency 22 Balancing Account. We don't get influx of 23 dollars from other programs. That's why we 24 have a two-way balancing account. 25 Let's -- you're talking about MEBA. Let's talk about the CEMA, okay, because --26 27 I understand. Α 28 -- dollars get tracked, they get Q

1 put in the memorandum account for CEMA. 2 Α Uh-huh. 3 Now, you do not know whether the Q \$97 million that's at issue came from -- I'm 4 5 sorry, is -- you don't know -- you don't know 6 whether the amounts that are in CEMA came from the \$97 million; is that right? 7 8 Α No. I do know that they did not 9 because, as I indicated, all catastrophic or 10 Memorandum Account costs begin as MEBA, begin 11 in the Major Emergency Balancing Account. 12 if we do not have the ability to move dollars 13 from our base rates into MEBA during the 14 calendar year, the funding stays what it is 15 as established at the beginning of the year 16 to the end of the year. 17 Then once we have an incident or an 18 event that qualifies for Catastrophic Event 19 Memorandum Account recovery, those MEBA 20 orders are recoded to CEMA. So they started 21 We can't bring money into MEBA. in MEBA. 22 They move to CEMA. 23 So if they started in MEBA and we 24 can't move money into MEBA and they moved to 25 CEMA just by recoding, then none of the 26 \$97 million moved into CEMA. In addition, 27 the Catastrophic Event Memorandum Account is 28 an administrative law proceeding much like

1	this proceeding. There's a tremendous burder
2	of proof on PG&E to prove reasonableness of
3	cost and incrementality. So that is the
4	basis for my statement, that it is unlikely
5	that we would have double recovery.
6	Q So going back, we have \$97 million.
7	PG&E doesn't know that money gets pooled?
8	A Uh-huh.
9	Q When the money is pooled, it can
10	being used for work that is eligible for
11	recovery under CEMA or MEBA.
12	Are we with are we together on
13	that?
14	A I'm not sure I understand your
15	question.
16	Q Okay. Let's go again. We have
17	\$97 million. It's part of the pool of excess
18	funds that Mr. Abranches referred to earlier.
19	A Uh-huh.
20	Q Some of that pool of funds is used
21	for emergency work that is eligible for
22	recovery under CEMA?
23	A No.
24	Q Are we together on that?
25	A No, not with that 97 million pool
26	of money. As I indicated, that 97 million
27	pool of money may be allocated to programs
28	outside of MEBA, but because the Major

1 Emergency Balancing Account is a two-way 2 balancing account, it has its own balancing mechanism outside of the movement of money to 3 fund non-balancing account programs. 4 5 But you don't know if the source of 6 the money in the 97 -- in the pool that 7 includes the \$97 million; isn't that right? That -- I'm trying to help --8 Α 9 Mr. Long, I'm trying to help you 10 understand --11 And I'm trying to ask questions --Q 12 Α And I appreciate that and I know 13 we'll get it together, you and me, and 14 we'll -- so what you're asking is about 15 \$97 million of our base rate programs. 16 Q I don't know what you mean by "base 17 rate programs." 18 So, for example, as Mr. Abranches 19 indicated, that would be poles, capacity, reliability, things like that. The Major 20 21 Emergency Balancing Account is separate from 22 While we may forecast it in the GRC, 23 when we fund it at the beginning of the year, 24 more money does not pour into that balancing 25 account at the end of the year or in the 26 middle of the year if we overspend. 27 money that's funded at the beginning of the

year stays that same amount through the whole

1 year regardless. 2 So when you're talking about this 3 \$97 million of movement, Mr. Abranches can respond but we may not be able to tell you 4 5 what specific program from poles, capacity, reliability, WRO, new business, what programs 6 got or received additional funds out of that 7 8 97 million. But I can tell you that the 9 Major Emergency Balancing Account did not get 10 any of those monies. By definition, the 11 dollars are separate and it has its own 12 reconciliation mechanism at the end of the 13 year. 14 ALJ LIRAG: So then 97 million, it's 15 not tracked where it goes to but you're 16 saying that -- you're definite that zero 17 dollars went into the MEBA. 18 Is that your testimony? That's my testimony. 19 WITNESS GIBSON: 20 BY MR. LONG: 21 I asked you -- I ask that you have Q 22 Data Request Response 34-1 in front of you. 23 Does somebody have that? 24 Your Honor, I did not mark this as 25 an exhibit. This data request response is in 26 the attachments to TURN's testimony. 27 ALJ LIRAG: All right, that's fine. 28 MR. OUBORG: Who is going to get this

1 question? 2 MR. LONG: I do not know. 3 MR. OUBORG: I'd like to make sure the person has the document in front of them. 4 5 I'm not trying --MR. LONG: The reason I don't know --6 I'm not trying to play a trick on anybody. 7 8 don't know who is the right person to answer 9 the question. 10 ALJ LIRAG: Let's go off the record. 11 (Off the record.) 12 ALJ LIRAG: Let's go back into the 13 While we were off the record, we record. 14 were clarifying which witness had a copy of 15 Mr. Long's question that is going to refer to 16 the document. I think Mr. Abranches has it. 17 WITNESS ABRANCHES: Yes, I do have it. 18 ALJ LIRAG: Mr. Long, please proceed. BY MR. LONG: 19 20 Looking at the first page of that Q 21 data request, the question asks in Exhibit 4, 22 page 9-15, PG&E explains that PG&E's spending 23 on overhead conductor replacement MAT 08J was 24 lower than imputed adopted in 2017 because 25 PG&E directed construction resources to 26 higher priority emergency work. 27 Referring to this citation, please, 28 and then I want to go down to subpart D:

1	For each program or activity
2	identified, indicate if that work
3	and its associated costs have been
4	or will be booked to CEMA or
5	another memorandum account. If
6	so, please identify the memorandum
7	account, the cost it has been or
8	will be booked to the memorandum
9	account and the units of worked
10	performed.
11	So now let's look at the response
12	to subpart D.
13	Of the programs noted in
14	subpart A, some major emergency
15	work is eligible for recovery
16	through CEMA.
17	Do you see that response?
18	WITNESS ABRANCHES: I do.
19	Q That response is saying that some
20	of the work that was not used for the program
21	at issue was being used for work that is
22	eligible for recovery through CEMA; isn't
23	that right?
24	ALJ LIRAG: Let's go off the record.
25	(Off the record.)
26	ALJ LIRAG: Let's go back on the
27	record.
28	Does someone have an answer?

1 WITNESS ABRANCHES: Yeah, let me make 2 an attempt at the answer here. 3 All right. ALJ LIRAG: WITNESS ABRANCHES: I think what we've 4 indicated in the answer is that the 5 6 recourses, right, were moved to higher 7 priority emergency work. Okay. And it says "Of the programs noted in subpart A, some 8 9 emergency work is eligible for work through CEMA." 10 11 So all it's stating here is that 12 some of the emergency work where those 13 resources were diverted are eligible for CEMA 14 recovery. 15 BY MR. LONG: 16 Q And then the point is that you 17 don't know the work that was diverted to -you don't -- for the work that's going --18 19 sorry -- for the funds that are going for 20 emergency work that are eligible for recovery 21 under CEMA pursuant to the response to 1-D, you don't know where those funds came from 22 23 and whether those funds came from, among 24 other places, the \$97 million? 25 I disagree. I do know where those 26 funds came from. As Ms. Gibson indicated, at 27 the start of the year, dollars are allocated

to the MEBA balancing account. We don't

shift dollars in there nor do we take dollars from there.

So the 97 million that was underspent on the other programs were not put in there in the first place. So I don't know how we would take it from there if we did not put it in there.

Q Well, I'm piecing together these data request responses and we've already established that we have a pool of excess funds that includes the \$97 million, and then we have this response that says -- which is for part of that \$97 million -- that says, in citing PG&E Exhibit 4, page 9-15, "PG&E's spending was lower than imputed because PG&E directed construction resources to higher priority emergency work."

A Correct.

Q And then we have subpart D saying that some of that emergency work is eligible for recovery under CEMA; right?

A That's correct. We are two separate -- what you're blending is two issues into one. Construction resources that were dedicated to doing this work was directed to emergency response work. There is no dispute about that. The funds that were allocated for the base programs were not

allocated to that because the MEBA balancing 1 2 account has its own budget and those 3 resources, as they were working, the emergency charged that budget. 4 5 Now, should a CEMA event be 6 declared, you take the MEBA dollars and 7 decide which portion of those are incremental 8 and can get CEMA recovery as Ms. Gibson has 9 indicated. 10 And you're saying incremental, but 11 you don't know whether they're incremental 12 because you don't know where they came from; 13 isn't that right? 14 Α I'll let Mrs. Gibson answer. 15 WITNESS GIBSON: So as I indicated, 16 Mr. Long, we do know that the dollars came from MEBA into CEMA. 17 18 0 Okay. 19 Α We do know that. 20 0 But MEBA is a balancing account 21 that can track funds that can exceed the 22 forecast amount; correct? 23 Α Yes. 24 Q And so if the MEBA balancing account exceeds the forecast amount, which is 25 26 in fact what's going to happen for this 27 2017-to-2019 period; isn't that right? 28 Α Yes.

Then those excess funds above the 1 Q 2 forecast are eligible for recovery in a 3 true-up filing the following year; isn't that right? 4 5 Α Yes. 6 0 And so those excess funds Okav. 7 could include the \$97 million; isn't that 8 right? 9 No, that is not correct. Α 10 And tell me why that's not correct. Q 11 So as I've indicated, we forecast Α 12 for the Major Emergency Balancing Account at 13 the beginning of the year. However much we 14 spend in that account, that funding does not 15 As you indicated, we balance that change. 16 out in a separate true-up process. We do not 17 intermingle funds from the base rate programs 18 into the Major Emergency Balancing Account 19 because it has its own balancing mechanism. 20 If we underspend in MEBA, then that 21 money goes back to the customers in a rate 22 reduction. If we overspend in MEBA, then it 23 goes to the true-up process and we would see 24 probably a minor rate increase. That is how 25 MEBA works. As I've indicated, CEMA is a 26 separate memorandum account, but all major 27 emergency spending starts as MEBA.

because it starts as MEBA and no money moves

1	in and out of MEBA, if we underspend other			
2	programs, then none of that \$97 million would			
3	be in MEBA or in CEMA.			
4	Q Okay. Well, I'm afraid we're going			
5	to have to agree to disagree on this issue			
6	and we'll cover that in brief. So that's all			
7	my questions. Thank you.			
8	EXAMINATION			
9	BY ALJ LIRAG:			
10	Q So you're saying that all the			
11	funding that's in CEMA comes from MEBA; is			
12	that correct?			
13	WITNESS GIBSON: In electric			
14	distribution, yes.			
15	Q So why does the response say			
16	certain amount of the funds that went through			
17	emergency work are recoverable through CEMA			
18	if the funds won't even go to CEMA?			
19	A Of the 97 million? Is that what			
20	you're referring to, your Honor?			
21	Q Yes. Specifically referring to			
22	whatever that data request was that Mr. Long			
23	referred to?			
24	MR. LONG: 34-1.			
25	BY ALJ LIRAG:			
26	Q The answer is that some of the			
27	funding for that \$97 million is recoverable			
28	through CEMA indicating that, at least from			

1 the way I heard it, is that some of the 2 funding comes from that and then it's 3 recoverable through CEMA. Are you saying that that's not 4 5 true? 6 WITNESS ABRANCHES: That's not true. 7 It's not the funding. It's the works. 8 says "Some of the major emergency work is 9 eligible for recovery through CEMA." We do 10 have --11 Was the work differentiated from Q 12 the funding that funds the work? 13 The funding for the work is 14 allocated beginning of the year. The volume 15 of work may change, may go up and down 16 depending on the scope of that event that 17 takes place. So the funding -- the work 18 19 basically will draw -- the resources that are 20 doing the work will charge orders 21 specifically that have been set up in the 22 major event balancing account. It won't 23 charge the orders that were set up in case. 24 That's how we distinguish the financials from 25 the work. 26 So the work will pass onto CEMA but 27 it won't be charged. Is that what you just 28 said or no?

1	A Correct. The work is what you look
2	at.
3	WITNESS GIBSON: Yeah. So I think what
4	we were interpreting the question was about
5	resources. The resources will move to the
6	highest priority work.
7	Q Right.
8	A The money does not follow those
9	resources.
10	Q All right. So that's you're
11	making a distinction
12	A Yes.
13	Q So the work moves into CEMA and
14	it's recoverable through that
15	A Yes.
16	Q but the funding will not follow
17	that work. The funding will still fund from
18	whatever funds move from MEBA to CEMA. So
19	that's a
20	A That's correct, your Honor.
21	MR. LONG: Could I ask a follow-up,
22	your Honor?
23	ALJ LIRAG: Yes.
24	MR. LONG: CEMA is a memorandum account
25	and the memorandum account, it doesn't
26	track it tracks dollars. Isn't that what
27	an account like that does, it tracks dollars?
28	WITNESS GIBSON: I'm not sure I

1	understand your question.
2	MR. LONG: Dollars
3	WITNESS GIBSON: It's not a forecasted
4	program if that's what you're asking.
5	MR. LONG: It's tracking dollars, isn't
6	it, a memorandum account?
7	WITNESS GIBSON: Yes.
8	MR. LONG: All right. So I don't
9	understand how a memorandum account tracks
10	work. Maybe it indicates what the dollars
11	were spent for, but the purpose of it is to
12	track the dollars for potential future
13	recovery; isn't that right?
14	WITNESS GIBSON: Well, in order to
15	incur dollars, work has to be done. That's
10	how we interpreted our response to that
16	now we interpreted our response to that
17	question was based on the movement of
	·
17	question was based on the movement of
17 18	question was based on the movement of resources from base work into CEMA.
17 18 19	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor.
17 18 19 20	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right.
17 18 19 20 21	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right. ALJ Lau.
17 18 19 20 21 22	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right. ALJ Lau. ALJ LAU: So just a follow-up question.
17 18 19 20 21 22 23	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right. ALJ Lau. ALJ LAU: So just a follow-up question. In regards to the MEBA, if there is an
17 18 19 20 21 22 23 24	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right. ALJ Lau. ALJ LAU: So just a follow-up question. In regards to the MEBA, if there is an underspending of a MEBA, does it go into that
17 18 19 20 21 22 23 24 25	question was based on the movement of resources from base work into CEMA. MR. LONG: Thank you, your Honor. ALJ LIRAG: All right. ALJ Lau. ALJ LAU: So just a follow-up question. In regards to the MEBA, if there is an underspending of a MEBA, does it go into that 97 million bucket?

```
THE WITNESS: That's correct.
 1
 2
           ALJ LAU: Thank you.
 3
           ALJ LIRAG: Mr. Ouborg probably has
 4
     redirect questions.
           MR. OUBORG: Could I confer?
 5
           ALJ LIRAG: Let's take -- we'll give
 6
 7
     you just a couple minutes. All right.
 8
               Let's go off the record.
 9
               (Off the record.)
           ALJ LIRAG: Let's go back on the
10
11
     record.
12
               Mr. Ouborg.
13
           MR. OUBORG: Your Honor, we have no
14
     redirect.
15
           ALJ LIRAG: All right. I guess, thank
     you -- well, let's take up Mr. Long's
16
17
     exhibit. Is there a move to admit Exhibit 90
18
     into the record?
19
           MR. LONG: Yes, your Honor.
20
           ALJ LIRAG: Any objections?
21
               (No response.)
22
           ALJ LIRAG: Hearing none, Exhibit 90 is
     received into the record.
23
24
               (Exhibit No. 90 was received into
               evidence.)
25
26
           ALJ LIRAG: Thank you, Mr. Abranches,
27
     Ms. Gibson and Ms. Ong.
28
               Is this the last we're seeing of Mr.
```

г				
1	Abranches?			
2	MR. ABRANCHES: I believe I come back			
3	on Friday.			
4	ALJ LIRAG: Tough schedule.			
5	Ms. Gandesbery.			
6	MS. GANDESBERY: Your Honor, I'd like			
7	to move Exhibit 6 into the record. I know it			
8	says that it was admitted.			
9	ALJ LIRAG: I don't think it is. All			
10	right.			
11	Any objections to Exhibit 6?			
12	(No response.)			
13	ALJ LIRAG: Exhibit 6 is received into			
14	the record.			
15	(Exhibit No. 6 was received into evidence.)			
16	evidence.)			
17	ALJ LIRAG: And please let us know for			
18	any of those exhibits when they are done.			
19	I'll leave it for PG&E to let us know if they			
20	are ready to be offered for admission into			
21	the record. So, again, the three witnesses			
22	are excused. Thank you.			
23	So let's go off the record for a			
24	little bit just to get them out.			
25	(Off the record.)			
26	ALJ LIRAG: Let's go back into the			
27	record.			
28	So that's all we have for today. I			

```
1
     don't believe any of the witnesses are ready
 2
     to be moved up to today.
 3
           MS. GANDESBERY: No, your Honor.
           ALJ LIRAG: So then we'll have --
 4
 5
     tomorrow we'll have Mr. Kurtz, Ms. Cowsert,
     Mr. -- is that Klemm?
 6
           MS. GANDESBERY:
                            Klemm.
 7
 8
           ALJ LIRAG: Mr. Brown, Ms. Bartman, Mr.
     Zenner and Mr. -- there's two presenters, oh,
10
     on different topics.
11
           MS. GANDESBERY: Yes.
12
           ALJ LIRAG: All right. Then I believe
13
     you've updated which ones -- which
14
     cross-examinations are being waived.
15
           MS. GANDESBERY:
                            Yes.
           ALJ LIRAG: So this board that we see
16
17
     now is fairly accurate?
           MS. GANDESBERY: Yes, your Honor.
18
19
           ALJ LIRAG: And as I promised, Ms.
20
     Ramaiya, tomorrow we'll have a final word on
21
     the witnesses who's cross -- I mean, where
22
     there's no cross. So -- all right.
                                          Thank
     you. We're in recess until tomorrow at 9:30.
23
24
               Off the record.
25
               (Whereupon, at the hour of 12:21
           p.m., this matter having been continued
26
           to 9:30 a.m., October 1, 2019 at
           San Francisco, California, the
27
           Commission then adjourned.)
28
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1	BEFORE THE PUBLIC UTILITIES COMMISSION
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3	STATE OF CALIFORNIA
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