### **Capitol Pacific Reporting**

**Court Reporters Since 1978** 

2401 Bristol Court SW, Suite C-103, Olympia, WA 98502 • Ph: 800.407.0148

Elevator Safety Advisory Committee Meeting

# TRANSCRIPT OF PROCEEDINGS

## May 16, 2023



Production: production@capitolpacificreporting.com

Scheduling: scheduling@capitolpacificreporting.com

Website: www.capitolpacificreporting.com

- Full-sized and condensed PDF transcripts
- Hyperlinked word index
- Hyperlinked exhibits
- Bookmarked examinations and exhibits
- Other common file types including: txt, lef, sbf, mdb, xmef, and PTX e-Transcript
- Exhibits and other files found under the paperclip icon within Adobe Acrobat (Reader)
- Copy-and-paste while maintaining formatting
- Files accessible via online repository

#### DEPARTMENT OF LABOR AND INDUSTRIES STATE OF WASHINGTON

#### ELEVATOR SAFETY ADVISORY COMMITTEE MEETING

#### TRANSCRIPT OF PROCEEDINGS

VIA MICROSOFT TEAMS VIDEOCONFERENCE

May 16, 2023

Pages 1 through 95

CERTIFIED TRANSCRIPT

Taken Before:

Andrea L. Clevenger, CCR, RPR Washington Certified Stenographic Court Reporter #3041 for Capitol Pacific Reporting, Inc. (800) 407-0148

> www.capitolpacificreporting.com admin@capitolpacificreporting.com



Capitol Pacific Reporting, Inc.

1		ATTENDANCE
2	Elevator Sa	fety Advisory Committee
3		
4	Ricky Henderson	ESAC Vice Chair, TKE
5	Gerald Brown	ESAC Secretary, Chief Elevator
6		Inspector for WA State
7	Jim Norris	IUEC Local 19
8	Lyall Wohlschlager	Mobility Concepts of Idaho
9	Brian Thompson	AEGIS Engineering
10	Garry Wood	Exxel Pacific General Contractors
11	Jan Gould	City of Seattle
12	Duane Leopard	City of Spokane
13	John Carini	Sound Transit
14	Carl Cary	Lerch Bates
15		
16		
17	ADDI	TIONAL SPEAKERS
18		
19	Melissa Eriksen	L&I
20	Alicia Curry	L&I
21	Alex Ge	
22	Jim Callen	
23		
24		
25		
		Page 2

1	AGENDA	
2	PA	GE NO.
3	ESAC Introduction	5
4	Welcome, Introduce Committee	6
5	Comments Regarding & Vote on February	7
6	2023's Meeting Minutes	
7	Nomination and Vote for new ESAC Chair and	9
8	Vice Chair	
9	Chief's Report	11
10	Scorecard & Accident Report Review	12
11	Code Year Submittals prior to Adoptions	19
12	and Enforcement of A17.1-2019,	
13	A18.1-2020, and A17.3	
14	Legislative Updates	40
15	Rulemaking Update	40
16	Cost Benefit Analysis (CBA) Overview	43
17	City of Seattle Chapter 30 Rulemaking	57
18	Needed Points of Discussion	59
19	CMS Project Update	59
20		
21		
22		
23		
24		
25		
		Page 3

1	AGENDA		
2	PAG	E NO	•
3	ESAC Subcommittee Status Updates	62	1
4	Licensing Category, Education, &	63	1
5	Curriculum		
6	Conveyances in Rental Units	63	3
7	Cab Interior Alterations	64	4
8	A17.1 Product Vetting	6	6
9	Port/Grain Conveyances	68	8
10	New/Continued Business and Audience Questions	70	0
11	Upcoming QEI Certification in May	70	0
12	In Ground Casing Drilling on Existing Jobs	73	1
13	- Conveyance Work?		
14	Conversation from Stakeholders	8'	7
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
		Page	4
	Capitol Pacific Reporting, Inc. scheduling@capitolpacificre 8	eporting. 800.407.0	.com )148

1	BE IT REMEMBERED that on Tuesday,
2	May 16, 2023, at 9:01 a.m., before ANDREA L. CLEVENGER,
3	CCR, RPR, the following proceedings were had, to wit:
4	
5	<<<<< >>>>>>
6	
7	CHAIRPERSON HENDERSON: All right,
8	everybody. I think we'll kick off our May 16th meeting
9	of our Elevator Safety Advisory Committee. This is going
10	to be recorded today, so if we could, we can get our
11	recorder to introduce herself.
12	THE COURT REPORTER: Hi, I'm Andi.
13	I'm the court reporter.
14	CHAIRPERSON HENDERSON: Hey, Andi.
15	So this is a reminder. Whenever everybody speaks,
16	please introduce themselves before they start speaking.
17	And I think don't use my example there because I
18	don't believe that I introduced myself as soon as I
19	started speaking, so but so this is Ricky
20	Henderson.
21	And when we do speak, like I said, please introduce
22	yourselves, and when you speak, speak clearly and slowly
23	so that we have a she can keep up with everyone.
24	////
25	////
	Page 5

Г

1	ESAC INTRODUCTION
2	Welcome, Introduce Committee
3	
4	CHAIRPERSON HENDERSON: With that
5	said, moving on to the next statement over here,
6	introductions for the ESAC members.
7	I'm Ricky Henderson, work for TK Elevator. I
8	currently hold the vice chair position on the ESAC ad hoc
9	position, on a couple of on A17.1 hydro committee, as
10	well as alternate on existing and maintenance repair and
11	replacement committees.
12	And with that said, also licensed elevator mechanic
13	in the state of Washington.
14	Garry?
15	MR. WOOD: Good morning, everyone.
16	Garry Wood, with Cascade Elevators.
17	CHAIRPERSON HENDERSON: Gerald?
18	MR. BROWN: Oh, Gerald Brown, chief
19	elevator inspector, State of Washington.
20	CHAIRPERSON HENDERSON: And just all
21	other rest of our committee members, if you would.
22	MR. NORRIS: Jim Norris, representing
23	licensed elevator mechanics.
24	MR. LEOPARD: Duane Leopard, City of
25	Spokane alternate.
	Page 6



Capitol Pacific Reporting, Inc.

1	MR. CARINI: John Carini, Sound
2	Transit, representing building owners and property
3	manager.
4	MR. CARY: Carl Cary, Lerch Bates,
5	alternate representing building owners and managers.
6	MR. THOMPSON: Brian Thompson, AEGIS
7	Engineering, representing architects and engineers.
8	MR. WOHLSCHLAGER: Lyall Wohlschlager,
9	alternate, representing owners exempt from licensure
10	residential residential and accessibility lifts.
11	CHAIRPERSON HENDERSON: Okay. So with
12	that said, our chair isn't available today, Scott Cleary.
13	He does send his apologies for not being able to attend.
14	With that said, I'll be chairing the committee
15	today or the meeting today, running it.
16	
17	Comments Regarding & Vote on February 2023's Meeting
18	Minutes
19	
20	CHAIRPERSON HENDERSON: Next step, I
21	believe, on the agenda for this is for the meeting
22	minutes from the previous meeting to be adopted.
23	If we can get a I believe we need a first and a
24	second on that, Melissa? I have Jim?
25	MR. NORRIS: Jim Norris will make a
	Page 7

motion to accept the meeting minutes. 1 CHAIRPERSON HENDERSON: Is there a 2 3 second? Jan Gould. 4 MS. GOULD: Second. CHAIRPERSON HENDERSON: 5 All right. 6 With that said, minutes are adopted. 7 And, Melissa, if I'm looking at the agenda correctly --8 9 MR. NORRIS: Point of order, 10 Mr. Chair? 11 CHAIRPERSON HENDERSON: Yes, sir. 12 MR. NORRIS: (Inaudible) a motion. 13 CHAIRPERSON HENDERSON: To -- oh, with 14 that said, are we still under the rules for this one, 15 Melissa? MS. ERIKSEN: 16 It's not formal rules or reference rules, so Jim has a question. 17 18 What's your question, Jim? 19 MR. NORRIS: There was a motion made 20 and seconded, but there was no vote on it. 21 CHAIRPERSON HENDERSON: So I guess if 22 we're going to -- we probably should if we're going to be 23 following a first and a second, we probably should be 24 following the rules for the rest part of it, I believe. So with that said, vote to accept the minutes? 25 Page 8



1	Everybody raise their hand for if they aye?
2	And I believe and this would only be for the ESAC
3	committee members.
4	UNIDENTIFIED SPEAKER: Correct.
5	CHAIRPERSON HENDERSON: And I believe
6	we have the quorum, if I have the terminology correct.
7	Apologize. I'm new on running the committees.
8	And, Jim, if you have any points of order where I
9	need to, please don't don't hesitate.
10	Melissa, if I'm looking at our agenda, moving on,
11	is the next is for nominations for vote for a new ESAC
12	chair and vice chair.
13	MS. ERIKSEN: That's correct.
14	
15	Nomination and Vote for new ESAC Chair and Vice Chair
16	
17	CHAIRPERSON HENDERSON: We have had
18	nominations. I've been nominated for chair. And Garry
19	Wood has been nominated for vice chair. And I believe we
20	need an official vote from the ESAC committee here in
21	this meeting for for these.
22	So I guess for the first nomination for me for vice
23	chair, if you agree with this, please raise your hand.
24	MS. ERIKSEN: Just for clarification,
25	this is to nominate Ricky as chair.
	Page 9

1	UNIDENTIFIED SPEAKER: You said to
2	nominate or to elect?
3	MS. ERIKSEN: Elect.
4	UNIDENTIFIED SPEAKER: Those are two
5	different things. Okay. Elect. Thank you.
6	CHAIRPERSON HENDERSON: And this is
7	Ricky Henderson. Melissa, whenever you're good for the
8	count there, let me know.
9	MS. ERIKSEN: We have ten yeses for
10	that.
11	CHAIRPERSON HENDERSON: Okay. With
12	that recorded, everybody please lower their hand.
13	And this is now the raise your hand if you would
14	like to elect Garry Wood for the vice chair position.
15	MS. ERIKSEN: We have 11 yeses for
16	that.
17	CHAIRPERSON HENDERSON: Very good. I
18	believe that is what we need for both the chair and the
19	vice chair positions; is that correct, Melissa?
20	And
21	MS. ERIKSEN: It is, yes.
22	CHAIRPERSON HENDERSON: Okay. So with
23	that said, that concludes the nomination and vote for the
24	ESAC chair and vice chair.
25	Brian, did you have a question or is that your hand
	Page 10

1 still up? All right. Very good. So moving on through the 2 next items on the agenda, it brings us to the chief's 3 4 report. Gerald, would you like to take it from there for the 5 6 chief's report? 7 Chief's Report 8 9 10 MR. BROWN: I can do that. Let me put 11 that graphic up here if we have it. Okay. Let's see. 12 I'm going to share. Well, apparently I shared and 13 covered it right up. 14 Okav. This chart shows our statewide inspections, 15 our inspection rate, our -- the ones that are completed, 16 the ones that are completed on time. It shows that on our 50 percent mark, it looks like we're meeting that. 17 18 And let's see if I got -- so this -- just as a comment on these inspections, just -- so this chart has a 19 lot of different factors to it. Some of it looks a lot 20 21 better than others. 22 But just to give you a -- an overall percentage of 23 performance, we've been working really hard on getting

24 our backlogs done and getting our annual inspection rate25 up where it needs to be.



1 And the last time we had an ESAC meeting for our backlog and our current inspections, we were sitting at 2 60 percent. Back when I first arrived, we were down in 3 4 the 40s. We got it up to 60 percent. And as of today, we're at 74 percent complete. We're still working on 5 6 that. 7 We are still in the process of hiring additional inspectors to fill up our roster, and so these numbers 8 9 are going to steadily improve, and we are really looking 10 forward to our new CMS system to enable us to get out and 11 be more efficient and get more inspections done and less 12 paperwork time that we're currently saddled with, with 13 the existing inspections. 14 15 Scorecard & Accident Report Review 16 17 MR. BROWN: The next part we get into 18 are accident counts for fiscal year quarter. So fiscal 19 year 2023, third quarter, it shows for elevators and 20 escalators -- you can see the results there where it 21 talks about accidents pending for the two different 22 quarters, the total of accidents that were on there, the 23 ones that were no fault accidents, and ones that were at 24 fault accidents. You can see the ratio there of a total of -- for 25

4

5

6

24

25

elevators, a total of four accidents pending. The count
 was two for no fault. Accidents pending on escalators
 were ten. No fault count was six.

Coming up a little higher, this is basically the same graphic showing that same information as far as the number of units or the number of accidents reported.

7 The majority of our accidents that we have are 8 definitely escalators and a lot of people not paying 9 attention or holding handrails or following the 10 procedures.

We haven't experienced any of the catastrophic escalator failures that you see from overseas that make all the -- all the media outlets, but Washington State chose to have a really good handle on how we handle these, and we get these done.

16 The turnaround time on accidents can be quite long 17 because we're waiting to get statements, and site 18 inspections are done right away. And then trying to 19 gather witness statements and having the inspector be 20 able to close it out, it -- it takes a while. So we 21 should be able to see the majority of these cleared up.

22 So are there any questions on -- on this part --23 portion?

MR. WOHLSCHLAGER: Gerald, this is Lyall Wohlschlager. I do have a question on the first Page 13



1	chart, if you go back to that on your annuals.
2	I'm having a little bit of trouble understanding
3	your let's pick April as an example on your chart.
4	You had 1,677 annuals scheduled, and you completed 1,235,
5	it looks like, for a 70 percent completion rate.
6	I don't understand the dashed 35 percent line. Does
7	that mean you didn't have 100 percent of the annual
8	scheduled and, therefore, the 1,235 really only
9	represents 35 percent of the total that should have been
10	done?
11	MR. BROWN: That that line, the
12	statewide percentage of annuals on time, had we gone out
13	and inspected every elevator 100 percent last year and
14	the year before, then the date that those were inspected
15	would represent the online time.
16	But because we haven't had 100 percent inspection
17	ratio and that line represents only getting out and at
18	least getting half of them done because we are in
19	excess of the online on timeline because we are
20	exceeding it. That's why that line that dotted line
21	is skewing what's actually taking place.
22	Once we hit bless us that we be able to do
23	that hit 100 percent every year, then that 50 percent
24	line will be sitting as a minimum standard.
25	And so that's that's what that scheduled on
	Page 14

1	time because we're getting to them, we're getting to
2	more elevators that hadn't been seen, those on timelines
3	are reflected in the overall inspection numbers and not
4	by that dotted line, the 35 percent that you pointed out.
5	MR. WOHLSCHLAGER: All right. Thank
6	you.
7	CHAIRPERSON HENDERSON: Ricky
8	Henderson.
9	I see Brian. You had a question?
10	MR. THOMPSON: Yeah. Brian Thompson.
11	I also had a question on that chart.
12	For example, looking at July, it looks like the 894
13	annuals completed was far more than 50 percent of the
14	1,233 that were scheduled, so I'm just trying to
15	understand, I guess, what that 50 percent means.
16	MR. BROWN: That 50 percent
17	standard back when we were only previous to me
18	getting here, that was our goal, at least get half of
19	them done, at least get out and get this done.
20	We were understaffed, and and our annual
21	percentage rate was, like I said, down in the 40s. And
22	so they said, well, let's at least move it up to
23	50 percent.
24	Well, right now we're hitting about 74 percent done.
25	It's not reflected in that line. And so that's why we're
	Page 15

1 trying to show on the state annuals completed, the 2 numbers are there to show that, when this is all said and 3 done, we should be up in the 70s this year and higher the 4 next year, the next year.

And the reason these numbers are increasing is 5 6 because we have changed our inspection processes. We're dealing with standardized inspections. We have 7 8 inspectors that are out -- more inspectors out than we 9 had before. Not all of the positions are staffed. We're 10 bringing more people on. We have people starting within 11 the next two weeks.

12 So we are increasing our staff, which will increase 13 the numbers. But the empty vacant routes we've been 14 trying to have people -- once they finish their route to 15 jump in and help get those inspected too.

16 So that's why these charts and numbers, when it 17 comes right down to it, the proof in the pudding of how 18 many did you get out and get done, that's what we're 19 looking at.

Are you meeting your goals? Every inspector inspecting. Every -- every unit is on a list to be inspected. It -- we are working the process, and we're making great inroads.

24 We have our operations manager, Candace Lau, is 25 working, developing these inspection processes, and we're



seeing a real -- we're seeing a real improvement for her
 hard work and the work of our supervisors and -- and most
 of all to our inspectors, getting out, getting the work
 done.

5 And so these -- the chart and the parameters on the 6 chart, I think, lead -- lend kind of a skewed view of it, 7 but this is the standard reporting chart that they have 8 worked to use, so we need to try to develop a more easily 9 understood process, but you can see on the -- on the work 10 actually completed, that there is an improvement from 11 previous years.

12

Any other questions?

13 CHAIRPERSON HENDERSON: Yeah. This is 14 Rick Henderson. I was having a little bit of confusion 15 there too, looking at the dotted line, but then I'm sort 16 of comparing, you know, the dotted line there correlates 17 to your statewide percentage of annuals on time in pink 18 down below.

And it shows annuals completed on time where the other number in the light -- in the tan is actual numbers of annuals completed, not necessarily on time, but completed.

And we are seeing, like you said, from where we are now compared to where we were in the past, this is -- I think we are definitely seeing some improvements.



MR. BROWN: Right. What that means when you see the tan lines is state annuals completed. Compared to the 50 percent minimum that it was supposed to be, this is showing you that we are getting out and getting more units done than we have in the past.

And on the actual anniversary dates, it's like we go into a building, and they've got nine elevators, and one of them had a mod. And so that inspection due date is according to that alteration or modernization on that job where it's inspected, and those dates conflict.

And what we're doing now is, we're trying to get every building done while the inspector is in that building, and so we're trying to reset the clock on all this stuff so that building is due on the same month every year instead of having to revisit.

And so this -- this is part of the inefficiency that -- that we had before, of only going to the anniversary date. We -- we have been working with our inspectors and they've been doing a great job of doing it by address, by location, instead of just conveyance number.

22 So we get those red tags seen. We get those annuals 23 done. We try to get this thing so we're getting more and 24 more done.

25

The numbers will take care of themselves. If we can

1	get out and get every elevator done, this squiggly
2	line dotted line thing is going to mean less and less
3	if we can get out and get them done.
4	And we do have inspectors that indeed are current on
5	their routes, and so they're getting out, and they're
6	getting the work done. And their hard work is what this
7	is due to.
8	It's my hat's off to them. We have a very
9	talented dedicated team out doing these inspections.
10	CHAIRPERSON HENDERSON: All right.
11	With that said, if no more questions on the scorecard
12	accident report, Gerald, I think the next item on the
13	list for you, you have an agenda, is code year
14	submittals.
15	
16	Code Year Submittals prior to Adoptions and Enforcement
17	of A17.1-2019, A18.1-2020, and A17.3
18	
19	MR. BROWN: Yes. On that note, we
20	have opportunities or responsibilities down to help our
21	industry deal with these I need to get these jobs
22	inspected or not inspected, but installed and what
23	code year we would like to right now, our adopted code
24	says we're on the 2016 year.
25	And anytime you make a transition from one code year

1 to the next, there has to be a period of time where 2 you're able to get out and get these jobs installed and 3 permits pulled and things like that.

What we're doing is, because this coded option process is taking so long because it's such a large rulemaking, there's like 110 items or something on that -- on this rulemaking, some of them fairly minor, but some of them pretty significant in that respect.

9 What we're doing is, we are allowing people to go 10 ahead at this time that want to submit and pull permits 11 for 2019 -- A17.1 2019 jobs for basically commercial 12 elevators. We're allowing them to pull 2019 permits now, 13 and we will come out and inspect to the 2019 standard.

And on your submittals on your plans, if you submit to us a 2019 compliant elevator and from the manufacturer it says it's 2019 compliant and you want to install it now, you can. And we will come out and inspect to the 2019 standard, and that's all-inclusive of everything that's required in 2019.

20 So if you got a three-car group, you can put in the 21 one 50-gallon-a-minute pump instead of a 22 50-gallon-a-minute under each one like the 2016, but the 23 whole job will be inspected as a 2019 standard.

And that's everything from phones to the elevators to all of the parameters that we had for testing that we



discussed previously about testing with detector edges,
 things like this, that we're going to follow the
 standards that are listed in the 2019 code.

And so -- but you can still submit 2016 jobs up until the adoption date, which we anticipate to be September.

7 And so up until that date, you can still install 2016 jobs. We will still inspect to the 2016 standard, 8 9 but we had such a request from our stakeholders to 10 install 2019 stuff now because trying to get everything 11 geared up, there's sales, getting everything projected out, budget numbers from your customers that you're 12 13 selling this equipment to that want the 2019 stuff. Yes, 14 we will install -- we will inspect 2019 equipment to 15 the -- to the standard that's found in 2019.

16 And this is also reflective in our 18.1 equipment. We're taking the jump from the 2017 code to the 2020 17 And we sent out information to the -- to 18 code. 19 stakeholders that do the 2018-type conveyances, which is your platform lifts and stair chairs and things like 20 21 that, that they also can install 2020 equipment at this 22 time and we will inspect it to the 2020 standard and --23 because of the delay.

24 But also, to let you know, that upon adoption of the 25 new code standard of the 2020 and 18.1, from that day



1 forward, that's the only ones that you can install are 2 the ones that are clearly labeled 2019 -- or 2020 3 conveyances for A18.1 equipment.

And, likewise, on that adoption date, that's the cutoff point. So we'll no longer accept 2016 A17.1 commercial elevators after that adoption date.

But up until that point right now, you can bid both, and that is a great advantage to you, as -- as our stakeholders, to be able to have that latitude to do both. It's going to make this transition period much sooner than having a hard-line deadline of, nope, you can't -- you can't do that job.

Now, just to reiterate, the date that you pull the permit, the code that is applicable at the time of the date you pull the permit is the minimum standard that you have to follow.

17 So right now, the minimum standard is 2016. So you 18 pull a permit today, the minimum standard is 2016, but 19 our office will accept the 2019 now so you can not have 20 to wait to bid your 2019 equipment.

So the advantage falls to -- to the stakeholders and the building owners, that they can buy the equipment they want right now without having to wait until official coded option date.

25

The other standard that's mentioned in there was

A17.5, which is construction material hoists. Their
 stakeholders reached out to us. The old 2013 standard is
 really, really out of date. We want to -- we want to see
 the most current version of that.

5 And so we worked in that 2020 adoption of the A10.5 6 for construction material hoists. They're in the process 7 of rewriting the code book for construction personnel 8 hoist, which is A10.4 standard, but it's not out yet, and 9 it will probably be adopted as soon as it comes out in 10 our next code cycle.

11 So the next time we reopen the WAC to adopt the 12 code, we will -- we will recognize that new standard at 13 that time, but we will have to go through the regular 14 coded option process like now.

15 There was a comment in there about the A17.3.
16 Currently right now we're not doing blanket enforcement
17 at job site surveys, which is one of the approaches that
18 we had talked about before.

I still don't have that ability to track the two-year and five-year process on that. Our system still kicks out 90-day reviews of corrections, and we are still trying to figure out -- we'll probably end up having to do that blanketed enforcement on those when we get our new CMS system up and running.

25

But currently, if we go out on a job and there is a



1 component or something on there that is broken that needs 2 to be fixed, that our inspector points out, "Hey, you 3 know, I need you to replace this broken pull strap on 4 this 1956 elevator," whatever, we use it as a code of 5 reference that we cite.

6 And then also, during major alterations already in 7 our adopted code, it says that jurisdictions that have 8 adopted A17.3 at time of a -- what we consider to be a 9 major alteration, which includes -- is -- includes a 10 controller, then at that point, all the requirements for 11 A17.3 are at minimum standard that had to be followed at 12 the time of a major alteration.

But right now we are using A17.3 as a code of reference. Remember, our program started out in I believe it was '63 or '64, and obviously we didn't have adopted codes before then, but we have a lot of that equipment out there. So that's what the purposing of A17.3 is to cover those minimum standards.

So as we see grievously dangerous equipment, we are, of course, going to cite that because that's a liability that we're there to cover and cite and point out to the building owner that he has a problem.

But when it comes to being able to have a code of reference to write up individual correction items that -that need to use that reference, we will use that



-	
1	reference, but we're not going to go in and do complete
2	job surveys. That got tabled because not being able to
3	bracket properly in our inspection process to our current
4	CMS system.
5	Who was first?
6	CHAIRPERSON HENDERSON: I think
7	this is Rick Henderson.
8	I think Sergey was had a question.
9	MR. DOLGIKH: Yes. Sergey Dolgikh,
10	elevator inspector, Region 4, L&I.
11	Gerald, I just want to make sure, kind of go back a
12	little bit about you were saying about approved permits
13	and code of installation and things.
14	So I just want to make it clear in my head because
15	there was so many variations of that going back and forth
16	back in the day, but so the code of installation will
17	be identified by the date that permit was approved is
18	that what I'm hearing? or by the time that the
19	application was submitted into our system? Which one is
20	it? I just want to make it clear.
21	MR. BROWN: When they pull the permit.
22	MR. DOLGIKH: Hold it. Pull the
23	permit and submitting an application I want to stick
24	to the terms.
25	So when somebody submits the application, at that
	Page 25

1	date of registering that application in our system,
2	that's when they're trying to pull the permit; right?
3	MR. BROWN: Right.
4	MR. DOLGIKH: Is that what I'm
5	hearing?
6	MR. BROWN: That is correct.
7	MR. DOLGIKH: Okay. So the date of
8	submittal of the application and it being put in our
9	system, like, online planner view and things like that;
10	right?
11	So it's there. It's in our CMS. That's the date
12	we're going to go by because this question came up in
13	some of the groups that I'm participating in with new CMS
14	work that's being done.
15	And this several times this question came up, and
16	so I just want to make sure that I'm hearing it right.
17	MR. BROWN: Right.
18	MR. DOLGIKH: Okay. Thank you so
19	much.
20	MR. BROWN: Thank you.
21	CHAIRPERSON HENDERSON: Ricky
22	Henderson.
23	I guess comment that I wanted to make sure of
24	because, on the blanket enforcement of this, when that's
25	happening, that's going to be tied to when they're seeing Page 26

1 the new CMS system is going to be able to handle the three-year/five-year? Did I understand that correctly? 2 3 MR. BROWN: That is correct. 4 CHAIRPERSON HENDERSON: This is Ricky 5 again. 6 Is -- this is going to be a pretty big impact to the 7 building owners, stakeholders. The -- is there any plan for this notice being sent out so -- to the stakeholders 8 9 other than the ESAC so that they are aware? 10 Because, like I said, this is a -- it is going to be 11 a pretty big shock to some people, I believe, if they're not aware of the enforcement. 12 13 MR. BROWN: Correct. Yeah. We have 14 to -- we have to send out that communication to them. When -- when -- just -- just people that have in 15 their mind cost-benefit analysis, was there a 16 cost-benefit analysis approached on A17.3 because it's 17 such a large ticket item? 18 19 Currently in the WAC, when we make proposed WAC rule changes, it's like getting rid of the dangerous wooden 20 21 ladders that are going up to access the roof and 22 buildings. 23 We have a new WAC rule that requires them to change out those old wooden ladders to steel ladders. 24 And so there had to be a cost-benefit analysis done on what's 25 Page 27



1 the cost of changing out that ladder.

That's a cost-benefit analysis. It's an item -it's an individual WAC that has to have -- it's a change, so it cost the business more money. So that has to be there.

When we adopted -- when we went from 2016 to 2019, just the general rule change for the code year, there's no cost-benefit analysis done on -- on codes. It's what those individual items are.

10 And so when the State adopted A17.3 back in 2018, there was no cost-benefit analysis done on it because 11 previous to that, they already had -- we already had 12 13 A17.3 as part of the WAC rules because at the time we 14 couldn't adopt the standard because at the time there was 15 a moratorium on new codes being adopted. And so to 16 comply with that, that's why they had that approach on 17 putting A17.3 language in the WAC rules.

But, in 2018, they basically just took that 18.3 that had been part of the WAC rules out because probably plagiarism or whatever from the copyright of A17.3, and we just adopted the A17.3 standard.

And it is a very expensive proposition to bring yourequipment back up to that standard.

CHAIRPERSON HENDERSON: And this is

Rick.

24

25

Capitol Pacific Reporting, Inc.

1 I think, Carl, you had your hand up. 2 MR. CARY: I did, yeah. Carl Cary. Couple of questions just going back to the adoption 3 So for clarity, Gerald, you said that based on 4 cvcle. when the permit is pulled, that the code that's enforced 5 6 at that point will be the code that you enforce. However, there are portions of it that you could 7 inspect to -- higher to the 2019; correct? 8 9 MR. BROWN: Right. If you submit a 10 permit for a 2019 compliant conveyance and that's what 11 you're installing is a 2019 compliant conveyance, we will accept that application at this time and inspect it as a 12 13 2019 conveyance as if the adopted rule had taken place. 14 Okay. And we will inspect to the entire standard. 15 So when you bid that job, everything that's in the 16 code book from 2016 to 2019 changes. We're inspecting to 17 the 2019 standard at day of inspection. 18 That's why it needs to be crystal clear, when you 19 file that permit right now for 2019 job, that you understand that our people will be out, and we will be 20 21 inspecting to the 2019 standard everything that's in it. MR. CARY: 22 This is Carl again. 23 Thanks for that. So just for -- so just for 24 clarity, though, if you pull and install based on 2016, what I'm hearing from you is, some portions of that you 25 Page 29

1 could have inspected based on the 2019 standards? No? MR. BROWN: No. It's either a 2016 2 job you're putting in or a 2019 job we're putting in. 3 We're not mixing. 4 MR. CARY: Okay. So I guess I -- I 5 just want to be clear because I heard your point about, 6 7 for example, the pump requirements for a fire service 8 access elevator. 9 So if you say, hey, I only want to install the pump 10 based upon the 2019, then that retroactively requires you 11 to inspect everything else based on the 2019? Is that 12 what you're saying? 13 MR. BROWN: Well, the fire pump 14 question -- what we were talking about was the 15 requirement for a sump pump in 2016 as per elevator. In 2019, the fire sump pump is required per hoistway. 16 17 That hoistway includes three elevators. Okay. It's 18 still the one pump, and we will inspect to that standard. 19 Now, the fly in the ointment in all of this, just so you understand, in the 2019 code, it requires the new 20 21 video ADA phone. 22 Okay. But currently and for the last few years, the 23 building code has that portion in it where they want to see that audio-visual phone, and we have jobs out there 24 right now, bunch of them, that have audio-video phone 25

1 based on the building code, and I believe the City of 2 Bellevue has been enforcing it for guite a while. And so just so you understand, the video phone --3 and it's an expensive proposition to monitor and install 4 and all that other stuff. I get it, but that standard 5 6 already exists. That's why we didn't strike it from the 7 2019 code when we adopted 2019 because the standard is 8 already in the building code. We're still subject to it. 9 So that's why it's stayed intact because we're 10 already under that standard right now for that video 11 If the local building code enforcement authority phone. enforces it, then it has to be there. And we will 12 13 inspect it by the manufacturer's guidelines of that 14 phone. 15 So just so you understand that's the way that we 16 look at it. 17 MR. CARY: Just to follow up. Thank 18 you for that clarity. Carl Cary again. 19 So excuse me for belaboring the point, but I quess I just want to be crystal clear. So I'm very aware of what 20 21 you were saying with the pump on 2019, and I -- so if I'm 22 pulling a 2016 job and I say I want to install -- I'm 23 going to install the pumps per the 2019 requirements, the 24 per hoistway, not per elevator, are you saying, well, then, everything else is now a 2019? That's no longer 25 Page 31



2016 elevator. You're going to inspect based on all the
 requirements for 2019 because that one thing I'm doing
 based on 2019?

MR. BROWN: What I'm saying is, if you put in a 2016 job, it's going to have a sump pump under every elevator. And you're claiming the equipment is 2016 compliant and your permit is for 2016 equipment, it will follow what's written in the 2016 code, having a pump under every elevator.

10 If you want to install 2019 equipment and follow the 11 2019 standard, now you only have to install the one pump because the whole job will be inspected to the 2019 12 13 standard because that's what you declared at the time of 14 pulling the permit, that you are installing a 2019 job. 15 Please come inspect it to the 2019 standard, and that's 16 from stem to stern. Everything at that job will be to the 2019 standard. We're not mixing them. 17

18 CHAIRPERSON HENDERSON: All right.

19 Carl, was there any follow-up on that one?

Sorry. This is Rick.

21 MR. CARY: This is Carl. 22 No. That's clear.

I have one more additional question on the A17.3 but I don't want to take this off this topic, if there are other questions out there. I saw hands come up and go

Page 32



20

1 down.

CHAIRPERSON HENDERSON: No. That was 2 my only comment, was going to be on the -- what Gerald 3 clarified toward the end again is that, when the permit 4 is requested, it's going to be on the layout drawings and 5 6 everything as to whether it's going to be a 2016 job or a 7 2019 job. That was my only point, and Gerald already 8 clarified.

MR. CARY: Got it. Carl Carv again. 9 10 So question on the 17.3 -- and apologies if I missed 11 So the 17.3 is going to be updated and adopted as it. part of the acceptance in September, correct, Gerald, 12 13 the -- and so that acceptance is then going to obviously, 14 as you've said, make up -- a bunch of elevators have to 15 come up to a certain level of code, one of which is the 16 in-ground hydraulic elevators with single bottoms.

17 Is there -- I guess what -- is there any grace 18 period that's going to be provided to owners' buildings 19 that have those single bottom jacks, or are you going 20 to -- does the State have listings of what elevators 21 still currently have in-ground single bottom jacks?

I guess, how are you going to specifically attack that?

And then just one -- just a B to that question, 17.3 says that you essentially have to replace a single bottom

Page 33

24

25

Capitol Pacific Reporting, Inc.

1	jack or install a cylinder gripper
2	MR. BROWN: Or safety
3	MR. CARY: Yeah. Or something along
4	those lines, and to my knowledge and we can talk about
5	this maybe later. I know we're going to have a
6	discussion on casings.
7	I don't know if anybody I did a quick check and I
8	don't think any companies will do that, will install a
9	gripper or safety for whatever their interior process
10	or their for whatever reason companies, in their
11	processes, to my knowledge, won't install that.
12	So, I guess, is there any that kind of goes back
13	to the grace period and the discussion: How are we going
14	to kind of address that?
15	MR. BROWN: All right. Just so you're
16	aware, in the last coded option, which I think was in
17	October 1st of 2021 that was our last one or 2022?
18	October 1st, I believe that was the last adopted code.
19	At that time we struck the allocation in the WAC
20	rules that said, on a single bottom jack, all you had to
21	do was keep a check chart in the room and you're okay.
22	That's gone. We are following the standard right
23	now. We have an inspector come out to your job, and he
24	questions if that's a single bottom jack or not, he's
25	writing it up today.

scheduling@capitolpacificreporting.com 800.407.0148 And that has to be addressed, and they have to come up with records to show that, no, it's not a single bottom jack. And if they can't, then that jack has to be updated by the three methods that are -- that are laid out in the A17.1, 2016 or 2019, which is those three options of replacement, a plunger gripper, or safeties.

And there is -- there is -- there is no grace period
for life safety in that respect. Right now today our
inspectors can go out, and if they see that -- I -- I
understood that there was some very limited resource.

It hink Texacone packing book has a -- has an image in it of some known packing heads that were single bottom jacks, and we're trying to gather that information to have that as a guide for our inspectors. I'd be more than happy to share that with people as soon as we get the permission to use it.

But if we get out on a job and the inspector, by looking at the information provided on the job site, suspects it's a single bottom jack, he's writing it up now and action has to be taken. And it's an expensive proposition.

And so there -- we're not waiting for the 2019 code to come to effect of enforcement of single bottom jacks. That's already in effect now.

25

As soon as we struck that -- I believe it was



1	October 1st, 2021. As soon as that got we struck that
2	part about paper oil check chart not being sufficient for
3	public safety, they have to do that currently.
4	MR. CARY: This is Carl again.
5	Thanks for that clarity, Gerald. So when the
6	inspector is writing it up, what is the correction time
7	that they're giving, or are they red-tagging that
8	elevator immediately with a suspected single bottom jack?
9	MR. BROWN: They're writing it up
10	as they're writing it up as a 90-day correction
11	because nothing you can do on a jack is going to take
12	place immediately.
13	If there is if there is an absence of oil or
14	anything that's been noted on there that the the jack
15	is not maintaining it well and things like that, those
16	obvious telltale signs, that will result in a red tag
17	immediately.
18	If I have an operating elevator and we suspect that
19	it's a single bottom jack, they're writing it up that the
20	building owner has 90 days to have their elevator
21	equipment provider try to determine the status of that
22	jack.

23 When you walk in and look at a duplex job and this 24 one has got a new jack installed and this one over here 25 still has the old one and there's notations that that one



was changed out because it was a single bottom jack,
 that's going to be pretty easy to determine that's a
 write-up, and they have to change that jack out too.

And I will work with building owners because this is indeed an extremely budget item in getting that correction done, but if there is any imminent sign that there is loss of oil unaccounted for, it is a red tag, and it will lose their operating permit for that elevator.

10 If it's running and there's no evidence of imminent 11 danger, then we will work with them on getting that 12 correction done, 90 days to get a proposal together and 13 get a target date and getting that taken care of.

14 I'm -- I'm not trying to needlessly shut down every 15 building in the state that has these older equipment in 16 it, unless, of course, there's evidence of hazard.

MR. CARY: Just one more. Carl Cary.
 Ricky, just one more follow-up on that. Thanks
 again, Gerald. I appreciate it.

So -- and I know this isn't the State's problem, but as you refer to in A17.1, there is a number of corrections that you can do to a single bottom jack as we talked about earlier.

24If no other company will do any of those others --25they'll only do a cylinder replacement, obviously that's



1	really that's really backing an owner into a corner
2	with the most expensive option out of the other three
3	is there I guess knowing that obviously it's going to
4	be, you know, even more of an impact to a building owner,
5	especially if they have multiple elevators and stuff like
6	that, is there, I guess is there any additional, I
7	guess, assistance I'm not talking financial but
8	time for an owner that now, out of nowhere, is being hit,
9	with, "Hey, you have a single bottom cylinder. You have
10	to do something"?

11 The company goes, "Yep. We'll only replace the 12 cylinder. We won't do -- we won't do a plunger gripper 13 or anything like that," and now that building owner has 14 to come up with, you know, potentially \$100,000 or more 15 for one elevator, not multiple, to be able to fund that 16 type of thing.

17 I mean, are you willing to give, you know, years, plural, of time for that cylinder replacement monitoring 18 19 the oil, or, I guess, just knowing that, is there any additional grace that you would provide for them? 20 21 No. That ship sailed. MR. BROWN: 22 I'm going to work with them. I'm going to be -- work a 23 reasonable period of time, but I want to see some action on it, and I want to see the public safety addressed. 24 Having an elevator in a building is a huge financial 25



burden, like getting buried in a rented tuxedo. It costs
 you money as long as it's installed.

So it's something that needs to be addressed and 3 letting it go for years is not addressing the safety 4 hazard to the riding public, so -- and I've seen in past 5 6 jurisdictions, when I was the chief in Nebraska, we had 7 people install life jackets. We had people that 8 literally, on some six stop hydros, they lost one jack. 9 It sat there red-tagged for a couple years. Then they 10 lost another jack.

11 And they had a company come in and basically remove 12 the jacks, cap the floor, and install machine roomless 13 traction elevator in that hole, and it was cheaper than 14 replacing the jacks.

And so there are -- there are modernization alternatives out there that haven't been available before that are now. I'm not saying -- I'm not a salesman. I'm just saying that company elected -- that building owner elected to put in MRL tractions instead of replacing their jacks.

21 So there is alternatives out there, but I'm not 22 trying to spend everybody's money here, but public safety 23 is number one. And letting a single bottom jack run 24 without any plan in place to getting it replaced, if 25 it's -- we got to have a game plan in place.



1	I'm not going to say you get, you know, 180 days or
2	two years or whatever. I'm not going to commit to time
3	frame because it's an individual situation.
4	CHAIRPERSON HENDERSON: Okay. This is
5	Rick Henderson.
6	If we're clear on that one, Carl, I think we're
7	about 30 minutes behind of our agenda timeline, but I
8	wanted to make sure that that was clarified with you,
9	Carl.
10	MR. CARY: This is Carl.
11	Yeah. Let's move on.
12	CHAIRPERSON HENDERSON: All right.
13	This is Rick Henderson.
14	That said, next on our agenda are our legislative
15	updates. And for our rulemaking update, I believe
16	Alicia Curry.
17	
18	Legislative Updates
19	Rulemaking Update
20	
21	MS. CURRY: Morning. Thank you,
22	Ricky. Alicia Curry. I'm the acting senior policy
23	manager in the field services and public safety division.
24	I'd like to give everybody an update this morning on
25	our coded option rulemaking that we've been talking
	Page 40

1 about.

2

3

4

5

6

This is the rulemaking where we're proposing to adopt new safety code which includes the 2019 ASME A17.1, the 2020 ASME A18.1, and the 2020 ASME A10.5 codes, as well as we are making many other updates and other changes that were needed for the rulemaking.

We filed the CR-102 proposed rules on May 2nd. And
the CR-102 filing -- this is the language that we are
proposing to change -- as well as the CR-102 filing
starts the official public comment period.

I I believe Melissa sent out notice on GovDelivery to everybody yesterday, so hopefully everyone here has received notice of the filing, as well as received the rulemaking documents and the public hearing information.

15 And if anybody did not receive it and they would 16 like to get that information, please just put your email 17 address in the chat, and I'll be happy to send that to 18 you directly.

We are scheduled for two public hearings. The first one is on June 7th. It will be a virtual public hearing only that begins at 9:00 a.m., and then we have a second day public hearing, which is in person only on June 13th. And that will be at the Tukwila L&I office, and that starts at 9:00 a.m. as well.

25

And we will be accepting written comments until



5:00 p.m. on June 13th for those that would like to send
 in written comments. We're hoping to adopt the rules on
 August 1st, and if adopted, the new rules would take
 effect on September 1st.

5 And I know that Scott had mentioned at the last 6 meeting that he wanted me to give an overview on the 7 preliminary cost-benefit analysis, and there is a 8 preliminary cost-benefit analysis for this rulemaking.

9 All of the documents are available online on the
10 program's rule development page, so if everybody would
11 like to take a look at the preliminary CBA, you know,
12 please go to the page. Everything is updated as far as,
13 like, the timeline and all the other information.

14 I'd also like to talk a little bit about -- and 15 before I turn it to Jim, does anybody have any questions 16 on the coded option rulemaking?

And I know I talked a little bit at the last ESAC meeting about the fee corrections. During the last rulemaking for the fee increase, that was the 8.5 percent that was intended to take effect January 1st of 2023 and January 1st of 2024.

And there was some typographical errors in the language that was adopted, and so some of the fees said July 2023 and July 2024 instead of January. So we are looking to start the rulemaking process May 23rd to make



1	the corrections to the July 2024 dates. So we would be
2	basically changing those dates to January 2024 and
3	leaving the July 2023 dates as they are, looking just to
4	file the CR-101 and start that process.
5	Does anybody have any changes on the fee increase
6	or the fee corrections? Excuse me.
7	All right. I guess I'll turn it over then to Alex
8	and Jim.
9	
10	Cost Benefit Analysis (CBA) Overview
11	
12	MR. GE: Good morning, everyone.
13	Thanks for this opportunity and allow us to present some
14	of our work.
15	Unfortunately, we have a meeting at 10:00, so I
16	don't know how long we can stay. I hope Jim can probably
17	stay a little bit longer. I have already told my program
18	manager that we will be late. So we can still be here
19	for a couple minutes.
20	My name is Alex Ge, and I'm the research manager
21	with research and data service program here at L&I, and
22	first I would like to introduce Jim Callen, who is one of
23	our team member and the author of this cost-benefit
24	analysis for this rulemaking.
25	Secondly, I would like to give you a little bit idea
	Page 43



1	about the difference in cost-benefit analysis for this
2	elevator and public safety rules compare with the rules
3	from patient safety and health division, which and for
4	this type of rulemaking analysis, normally it comes with
5	a tighter timeline and it require a quick turnaround.
6	So and with that said, the good thing is, there
7	are there are limited area for analysis because most
8	of the rule elements are made to align with the national
9	consensus standard, which is exempt from the economic
10	impact analysis.
11	So with that, I will just turn it over to Jim.
12	Thank you.
13	MR. CALLEN: Good morning, everyone.
14	This is Jim Callen. And I'm about to share my screen.
15	There we go. And I will do my best to get us back on
16	schedule.
17	For that, I need the first question is, is there
18	anyone interested in the decision process that we use to
19	decide whether a CBA or an SBEIS, small business economic
20	impact statement, is required? If no one is particularly
21	interested in that, we can just skip it.
22	Okay. All right.
23	MR. BROWN: There's a hand up.
24	MR. CALLEN: Oh, no. No. No.
25	MR. BROWN: There's a hand up.
	Page 44



1	CHAIRPERSON HENDERSON: Yeah. Duane?
2	MR. LEOPARD: Yes, I did. I raised my
3	hand for that one.
4	MR. CALLEN: Okay. All right.
5	MR. LEOPARD: Duane, City of Spokane,
6	by the way.
7	MR. CALLEN: Okay. Well, in that
8	case, I'm sorry, but for benefit of time, we're not going
9	to be able to do that.
10	This is the quantified cost versus benefits for
11	these preliminary CBA that we're all talking about here.
12	The costs associated here, this first line here, the
13	replacement of the roof ladders with a high first year
14	cost and then effectively no subsequent year costs since
15	aluminum ladders last a while.
16	The excuse me. And these are industry-wide
17	costs, so the disconnecting means for hoistwayless
18	elevators, that's basically the addition of second
19	switches, and the code data plates being added to the
20	lifts.
21	Let's see. Now, the big savings the benefit is
22	the modernization exemption. Now, as I understand it,
23	this probably won't make much of a difference to the way
24	you are actually conducting business now because I
25	understand that the program the elevator program has
	Page 45

been in effect operating with this exemption already.
 But the idea is that, based on not having to do a
 complete modernization, when you do replacement of a
 variety of different parts, it allows the industry to
 save a significant amount of money in any given year.

And then the private residence platform lifts, this is talking about the -- excuse me -- the ability, right, to leave the -- leave them as plug-ins rather than direct wired, which I understand is already standard practice, but now it's in rule.

What we see this as is that if the -- easily -- you know, the benefits in the first year based primarily on the modernization exemption would be over \$4 million, and after that, it bends up slightly to 5 million.

15 It really does not make a lot of difference to the 16 way you are currently operating because Gerald has told 17 me that they've been trying to work with you on some --18 on this stuff already.

Okay. Now, this small business economic impact statement, we are not planning to do a small business economic impact statement for this one based on the minor cost threshold. This is actually in law, so it's not helpful to debate the aptness of this threshold.

But if the per business annual cost does not exceed1 percent of annual payroll of the business's category,



then it does not meet the threshold for doing a small
 business economic impact statement, and in this case, as
 you can see, it does not.

All right. The change which causes the largest impact -- cost impact is this one for replacing the wooden ladders on roof access doors, above roof access doors, and, you know, that's really, you know, a one-time cost of replacing a ladder.

9 The change with the largest benefit, of course, as I 10 already said, is the exemption for doing a complete 11 modernization when you make an alteration. I already 12 explained that, so -- any questions so far?

Okay. Of course, anyone who's looked at this knows that there's a bunch of rule changes in here, but all the ones that are considered significant changes to the rule -- and that does not necessarily mean that they have -- it means a significant change to the rule, not necessarily that they are a cost effect.

So we have this -- I have this list here, significant rule changes that were -- that did not actually cause any cost changes, and then significant rule changes that do create costs, the disconnecting means for hoistwayless elevators.

24And this is the additional -- additional disconnect25switch. Also not many of those installed in a given



1 year, so it keeps the cost down.

Signage, basically the installation of the code data
plates on the WAC material lifts. That's quite small.

And rules that create benefits, and this one, it's light bulbs, and it's replacing the ten foot-candle light bulbs with -- oops, sorry -- stronger light bulbs. And, you know, that -- in effect, it's just a more commonly available light bulb. It's cheaper than the ones that we currently require.

10 Okay. Machine room benefits, and this is 11 generally -- this is one that's -- provides benefit to 12 homeowners in the costs to -- for them for installing 13 their elevators.

And the governor ropes, it's basically just updating the rule to meet up with the current level of technologies and the low speed lifts are using -- are already using other types of -- other types of ropes, and so it just basically brings us up to technology level.

And this is the one I mentioned about the -- the plug-ins, cord and plug being allowed now, rather than having to cut the plug off, which I understand is already being done, but this is associated benefit that would be with that.

And that is everything of significance in the rulechange.



1 Questions? 2 CHAIRPERSON HENDERSON: Yes. This is Rick Henderson. 3 And I hesitate or -- I want to make you go back to 4 some of the earlier slides, but on the initial -- like 5 6 the small business impact statement, what was the 7 percentage and what was it based on again for a small business impact? 8 I thought it was 1 percent of the annual payroll or 9 10 what is it -- could you cover that just a little bit more 11 on when does it -- a small business impact statement make a change? What percentage or what number does it --12 13 Specifically MR. CALLEN: Okay. 14 1 percent of the annual payroll of the largest businesses 15 affected by the rule change, and if it is more -- if the 16 per business annual cost is more than 1 percent of that -- I will admit that that seems counterintuitive, 17 18 that you would base a decision on doing a small business 19 impact statement on the payroll of large employers, but 20 as I said, that's in rule. 21 We still manage to do a large number of small 22 business economic impact statements. If this is a matter 23 of material concern for you, we can -- very much like to, 24 you know, understand what your -- the issues are for you. 25 CHAIRPERSON HENDERSON: This is Rick



1 Henderson.

2	It was more of a clarification of understanding.
3	This is all in a new territory for me. So I may have
4	some further questions later on that I may put together,
5	but to clarify what we're talking about right here, so if
6	we do a small business impact study in the state of
7	Washington and I'm just using warehouse clubs and
8	supercenters there, they factor in just like a small
9	mom-and-pop business?
10	MR. CALLEN: Yes. Yes, they do. As I
11	said, it does seem counterintuitive, but yeah,
12	Mr. Henderson, we would if you do have further
13	questions, you know, feel free to send them on, and we'll
14	do our very best to explain everything and and where
15	it where it's all written down.
16	CHAIRPERSON HENDERSON: I appreciate
17	that. I may I may have some further things here once
18	I look at it a little bit.
19	I did have one more quick question on the slide
20	before, something for just for clarification for me,
21	if you wouldn't mind.
22	So looking at this value first year compared to
23	estimated value subsequent years, when we're looking at
24	the value, the value statement there, could you compare
25	the difference between the roof ladder to the
	Page 50

1	disconnecting means?
2	To me, the installation of a roof ladder is the same
3	as installation of a disconnecting means. Once you
4	install it, that's a one-time cost.
5	MR. CALLEN: Well, it is. But
6	there's there is a small but steady number of these
7	hoistwayless elevators that are installed each year, so
8	each year those new those hoistwayless elevators that
9	are installed would have that expense.
10	So, yeah, it's not the elevators that you dealt with
11	the first year. These are new elevators that are
12	installed which also have the expense.
13	UNIDENTIFIED SPEAKER: James?
14	MR. CALLEN: What's up, Gerald?
15	MR. BROWN: Just real quick to clarify
16	for Ricky's question, on that disconnecting means and he
17	mentioned hoistwayless elevators, this is not just
18	regular conveyance. This is specifically hoistwayless
19	elevators to have a switch at the at the bottom
20	landing that you turn, and it disconnects the power from
21	the motor itself.
22	This is like the switch inside the cab where you hit
23	the power switch and it disconnects the battery voltage
24	from that motor that's that's running the lift. This
25	is not general elevators. This is just the savings and

1	the cost of actually installing that additional switch
2	that does the same exact thing at the bottom landing.
3	It's a current requirement that we have for
4	residential elevators, and that's what this talks about,
5	is just specifically for hoistwayless elevators. This is
6	an item that came up in our TAC about requiring that
7	switch be added and what that would be. And this is an
8	overall cost for an estimated number of units, not per
9	unit.
10	Hope that's clear as mud.
11	CHAIRPERSON HENDERSON: Well, it's
12	more yeah. I'm still, like, trying to understand the
13	estimated value of subsequent years column compared to
14	that.
15	And I believe what James was saying is, it's based
16	off of if these there's more elevators being installed
17	that are hoistwayless and that's why it's in the
18	subsequent years column where, if we compare that to the
19	requirement of roof ladders, I mean, those are being
20	installed, but I guess this is
21	MR. CALLEN: Well, if okay. For
22	the roof ladders, there are as Gerald said, there's
23	approximately 250 buildings that he regulates that have
24	these ladders on their roofs.
25	And once they install a nonflammable, as sure you

1	just read aluminum there, ladder, they're done. And this
2	is this is an older type of elevator system. It's not
3	one that would be installed in a new building, so there
4	won't be more elevators of this type installed.
5	So and I suppose, you know, I have no idea what
6	the life expectancy of the aluminum ladder is, but it's
7	far beyond the scope of what I want to calculate.
8	So effectively, once they put the ladder up there,
9	they're done. And there won't be any more of these new
10	elevators this particular type of elevator shaft put
11	in because, as I said, it's an older style.
12	So that's why we have the large initial cost for
13	putting them all in, but once they do it, they're done.
14	So there's no subsequent cost.
15	CHAIRPERSON HENDERSON: Still kind of
16	clear as mud to me, but we can bring this up and talk
17	about it another date on this one, comparing the two,
18	because I still see, you know, you install a roof ladder
19	in a building once. You install the disconnecting means
20	for the elevator for that elevator once.
21	Why is there subsequent value in one but not the
22	other? I don't I'm not following that one exactly.
23	MR. CALLEN: Well
24	CHAIRPERSON HENDERSON: I know we're
25	running late here, and I know Jan already has a I'd
	Page 53



like to bring her and make sure we get her answer -- her
 question answered.

3 MR. CALLEN: Well, okay. If -- okay. 4 Like I said, okay, this is going to be -- the 5 disconnecting means is going to be one extra switch for 6 each one of these elevators when it's installed.

7 Okay. So in any given year -- I can't remember the 8 number, but it's not very high -- there's only a few of 9 them, so they will be put in, and they'll have to -- and 10 this will be the cost of the extra switches.

11 The next year, you can expect approximately the same number of those elevators to be installed, and so that 12 13 cost would be repeated in a new elevator, not the old --14 the elevators that have already done it, but up here with 15 the roof ladders, if -- if I expected that any of those 16 older style elevators that use roof ladders would be 17 installed next year, then there would be a cost here for 18 a ladder.

But since we do not expect any of those old style elevator systems to be installed, there's no more cost after they put the initial ladder up.

CHAIRPERSON HENDERSON: Okay. All right. I'm going to -- Jan? You had a question real quick, and after this one, I think we're going to take a ten-minute break or a quick break here because we're



1 running behind on here. MS. GOULD: Jan -- Jan Gould, with the 2 City of Seattle. 3 Is it possible you could -- that ESAC members could 4 get a copy of your slides for reference? 5 6 MR. CALLEN: Oh, certainly. 7 MS. GOULD: Thank you. This is Melissa. MS. ERIKSEN: 8 9 Jim, I messaged you. If you could please send me 10 your presentation, and I'll make sure it gets out to 11 everyone. 12 MR. CALLEN: All right. Thank you. 13 CHAIRPERSON HENDERSON: I much 14 appreciate it. 15 MS. CURRY: And, Ricky, when Jim is 16 done, can I just mention one more thing real quick? 17 Jim is done, so go ahead. MR. CALLEN: Thanks, Jim. 18 MS. CURRY: I really 19 appreciate you give this presentation today. 20 I just wanted to mention to everybody that if you want to see a summary of the rule changes, if you go to 21 the CR-102 really quick here -- can everybody see my 22 23 screen okay? 24 UNIDENTIFIED SPEAKER: Yes. 25 MS. CURRY: Okay. We broke down the Page 55

1 changes for every single rule that had a change to it. 2 It's broken down by new sections, and then we provided a summary here, amended sections here. 3 And then at the end, as you can see, there's about 4 120 rules that are affected in this rulemaking, the 5 repealed sections, and then if you go to the bottom, this 6 is where the small business economic impact statement 7 memo is, down here under 3. 8 So if you want to take a closer look at that. 9 10 CHAIRPERSON HENDERSON: Okay. Thank 11 This is Rick Henderson. you. With that said, if there are no more comments, I 12 13 think it's a good time to take a ten-minute break, and 14 when we come back, we'll -- I think Jan is up next 15 whenever we come back, but I would like to work a break 16 in here before we -- before that. 17 So, Melissa, what time do we need to be back? It will be 10:32. 18 MS. ERIKSEN: I'm 19 putting up a timer for it so people know. 20 CHAIRPERSON HENDERSON: All right. 21 Thank you. And thank you, Jim. I appreciate it, man. 22 MR. CALLEN: You're welcome. 23 (Recess from 10:23 a.m. to 24 10:33 a.m.) This is Rick 25 CHAIRPERSON HENDERSON: Page 56



Capitol Pacific Reporting, Inc.

Henderson. Our break is over. 1 I hope everybody has made 2 it back. 3 With that said, I believe Jan is up next. 4 City of Seattle Chapter 30 Rulemaking 5 6 Yes. Jan Gould, code 7 MS. GOULD: advisor for the City of Seattle conveyance program. 8 9 Subsequent to the stakeholders meeting we had in 10 late November or early December of 2021, we have added seven or eight new additional requirements to 2021 11 Chapter 30 of the Seattle Building Code. 12 13 I will be scheduling an additional stakeholders 14 meeting in mid-June. Included in the invitation will be 15 a copy of the draft rules for your review before the 16 meeting. All changes have been presented to our construction code advisory board. 17 I will be placing my email address in the chat for 18 19 those that I may have missed the last time around and whoever you work for, if I only have two email addresses 20 21 for a company, this could be forwarded to anyone. 22 That's it. Thanks. 23 CHAIRPERSON HENDERSON: Okay. With that said --24 25 MS. GOULD: One second. Jason, did Page 57

1 you have anything you want to add? MR. HOWERTON: Jason Howerton, City of 2 3 Seattle. I think you covered it all. 4 No, Jan. CHAIRPERSON HENDERSON: Yeah. Rick 5 6 Henderson. 7 Quick question on the -- for the stakeholders meeting --8 9 MS. GOULD: Yes. 10 CHAIRPERSON HENDERSON: -- what is 11 the -- do you have to request to be put on that through any official method other than what you earlier stated or 12 13 how do you get on that list? 14 MS. GOULD: In my original invite, I 15 saved all those email addresses, but I didn't capture 16 So there was a lot of forwarding of the everyone. 17 invitation, so I may not have captured all those email 18 addresses. 19 So, yeah, please forward to anyone that would be interested in attending, you know, BOMA, building owners, 20 21 whoever that might be. Thank you. 22 I'm sorry. Jan Gould. 23 CHAIRPERSON HENDERSON: This is Rick. 24 All right. Thank you, Jan. All right. That brings us up next item on the agenda is our CMS 25 Page 58

1	project update. Do we have someone here for that?
2	
3	Needed Points of Discussion
4	CMS Project Update
5	
6	MS. ERIKSEN: Kind of. I'm here. So
7	hi. Melissa.
8	We are not going to have a CMS project update like
9	we have been having today. I have been asked to let you
10	all know that we will be sending out the email newsletter
11	of what's been happening and what's going on. So that
12	will still come out.
13	And we are having listening sessions. Thank you to
14	everyone who joined us for the first 1 and 2 or 1 and
15	1.5. The next listening session is expected to be had
16	next month. So we'll send out the notice for that.
17	And just so that you know, the listening sessions
18	are not for you to listen, but for us to listen. And
19	it's time with the project team where they give you a
20	quick update as to where things are, and you ask your
21	questions or make your comments from your point of view
22	as you hold it in the industry, whether you're an
23	elevator company, a building owner, a property manager,
24	anyone.
25	So time to get those those questions asked, those

1 contributions you might have for this might be a good 2 idea. So that will be coming up, and we just thank you for 3 your continued engagement with the project. 4 It's exciting to see all the progress, and we look forward to 5 6 learning it together with you. 7 So that's the CMS project update. Ricky? 8 You're muted, Ricky. I think what Ricky was trying 9 10 to say is, Garry, you had a question? 11 MR. WOOD: Yes. Thank you very much. 12 Garry Wood. 13 Question was, do we have an updated implementation 14 date of the CMS? I mean, last I remember hearing was 15 January 1st. 16 MS. ERIKSEN: Yeah. We're looking at the -- it's the beginning of January. Whether it goes 17 18 live on the 1st or within the first couple months, I do 19 not have the timeline in front of me, but it is the first 20 quarter of next year, which is now only a few months 21 away, so --22 MR. WOOD: Thank you. 23 MS. ERIKSEN: Mm-hm. 24 CHAIRPERSON HENDERSON: Okav. Any --25 this is Rick Henderson. If no more questions related to Page 60

1 the CMS project update, we'll move on into our ESAC 2 subcommittee updates. First one on the list here is licensing category 3 education and curriculum. 4 Scott is not here, but, Lyall, 5 were you going to be stepping in for Scott on this one? 6 ESAC Subcommittee Status Updates 7 Licensing Category, Education, & Curriculum 8 9 10 MR. WOHLSCHLAGER: Yes. This is Lyall 11 Wohlschlager. Yes. I will step in as the interim chair in Scott's absence. 12 13 We've had a meeting this month to get the group back 14 together and continue our process of going through the 15 curriculum and testing requirements, and we also spent some time talking about endorsements to licenses so that 16 17 an individual might be able to cross license categories 18 for a particular type of conveyance. 19 We also had discussions about continuing education and some of the issues and problems we're having with the 20 21 current continuing education programs. 22 So those are things that we discussed here at a 23 meeting in the last couple weeks. We do have two more meetings scheduled in June and possibly another two more 24

meetings scheduled in July. The intent is to try to get

25

1	all the curriculum and testing requirements completed and
2	up for voting at the ESAC in August.
3	The completion of work on the continuing education
4	and endorsements may take a little longer and will be
5	ongoing by the subcommittee, but our goal is to spend as
6	much time as necessary to try to get all the testing and
7	curriculum taken care of so that it can get voted on so
8	we can get back to getting folks in a position where they
9	can sit for a test.
10	So that's the current plans and for that
11	subcommittee.
12	CHAIRPERSON HENDERSON: All right.
13	This is Rick Henderson. Thank you, Lyall. I appreciate
14	that.
15	So and so that was in the I apologize. Which
16	meeting were you planning on that to be voted on in
17	August?
18	MR. WOHLSCHLAGER: We're hoping in the
19	August meeting we can be able to put a presentation
20	together for the ESAC for both.
21	CHAIRPERSON HENDERSON: All right.
22	This is Rick. Thank you, sir.
23	Any comments or questions related to the licensing
24	for Lyall?
25	All right. Seeing none, moving on to conveyances in
	Page 62

1	rental units subcommittee, and Jim is Jim Norris still
2	with us or did he have to step away?
3	I don't think I saw him on the list. It looks like
4	he may have had to step away.
5	MS. ERIKSEN: He stepped away, but
6	Brian Thompson can speak on his behalf.
7	CHAIRPERSON HENDERSON: Very good.
8	Brian, I'll turn it over to you.
9	
10	Conveyances in Rental Units
11	
12	MR. THOMPSON: Thank you. This is
13	Brian Thompson, on the subcommittee for conveyances and
14	rental units.
15	We have not had a meeting since the last quarter, so
16	there has not been further progress. We did receive
17	feedback from other members of the ESAC and from
18	stakeholders, and so we're working on incorporating those
19	and coming up with new language, and when we have a new
20	meeting date, that will be announced.
21	CHAIRPERSON HENDERSON: All right.
22	Thank you Brian.
23	I think we Gerald? I think you're muted, Gerald.
24	MR. BROWN: Gerald Brown, chief
25	elevator inspector.
	Page 63



1	I had a question on that, Brian. The changes that
2	the committee is proposing is specifically WAC rule
3	changes, are they or are they RCW changes?
4	MR. NORRIS: I think, for simplicity,
5	we were looking to try to incorporate them into WAC. We
6	are drawing on language that's found in RCW for other
7	provisions.
8	MR. BROWN: Okay. But we're not
9	making proposed changes to the RCW, just the WAC?
10	MR. NORRIS: That's the scope of
11	the subcommittee is to come up with proposed language,
12	and I think ultimately how L&I chooses to act on that
13	proposed language is, you know, outside the scope of the
14	subcommittee.
15	MR. BROWN: Very good. All right. I
16	just didn't want to miss any deadlines we have coming up
17	for proposed legislative stuff, so thank you. That
18	answers my question.
19	CHAIRPERSON HENDERSON: All right.
20	Any other questions for Brian on the rental unit
21	conveyances of rental units?
22	
23	Cab Interior Alterations
24	
25	CHAIRPERSON HENDERSON: If not, moving
	Page 64
	Capitol Pacific Reporting, Inc. scheduling@capitolpacificreporting.com 800.407.0148

on, the next subcommittee update is for cab interior
 alterations, which is for me.

3 So we have met one time on this for cab interior 4 alterations. And just for clarity, what we're addressing 5 here in the subcommittee is, we're -- cab interior 6 alterations are being performed, but the correct 7 counterweight percentages during cab alteration are not 8 being maintained correctly.

9 These are most of the time being found during annual 10 or five-year testings when we're -- the testing companies 11 are finding counterweight percentages are no longer 12 correct.

13 These counterweight percentages that we're talking 14 about are typically lower than the 5 percent requirement 15 that triggers alteration requirements within the A17.1.

Not to say that it's not an alteration, but there are a list of alteration requirements once we get above a 5 percent deadweight. And that deadweight of this is the weight of the car plus the capacity of the car.

20 Counterweight percentages on equipment today is much 21 more critical than that, so that's what the committee is 22 trying to address and what's the best way to address 23 this.

In the first meeting, one of the major things thatwe were finding is, we need some more cab interior



1	companies to participate in the subcommittee.
2	So if we have any cab interior companies here
3	attending and you would like to participate in this
4	subcommittee, please send an email to Melissa so that we
5	can get you into this or to me or both, but we definitely
6	need we're looking for at least we'd like to have
7	at least two more cab interior companies represented
8	within the subcommittee.
9	That's the major take that we had out of our first
10	meeting, is that we needed some more representation from
11	cab interior companies.
12	Any questions or comments on the on this
13	subcommittee group?
14	Hearing none, I'm going to move on into the A17.1
15	product vetting. John, are you
16	
17	A17.1 Product Vetting
18	
19	MR. CARINI: Yes, sir, I am. Good
20	morning. John Carini.
21	There are no current updates regarding the A17.1
22	product vetting subcommittee. The subcommittee has
23	submitted the recommendation for the A18.1 product
24	vetting.
25	The State has accepted that recommendation and has
	Page 66

1 deemed that the A18 product vetting recommendation 2 submitted by the subcommittee is acceptable to be used as a framework for the A17.1. 3 At this time there is no additional requests for 4 this product vetting subcommittee, and we'll be 5 6 discussing dissolving this subcommittee in future ESAC meetings. 7 8 CHAIRPERSON HENDERSON: Okay. Lyall? 9 MR. WOHLSCHLAGER: Yeah. Lyall 10 Wohlschlager. When it comes to the A18.1 vetting procedures, I 11 know the ESAC voted to send those through to the L&I as 12 13 they were proposed. L&I has indicated that they are 14 going to adopt it. 15 I haven't seen anything formally, Gerald. Is -- is 16 there a timeline when that takes effect so that we can let suppliers and vendors know that -- what the new 17 18 process is and here is how it's being implemented? 19 I -- I'm currently working MR. BROWN: 20 on moving forward with those recommendations, but I was 21 just trying to get the -- have there be one vetting 22 process. So we're trying to put the -- trying to get the 23 ink to dry on that, so --24 CHAIRPERSON HENDERSON: Lyall, did you 25 have another question? I think you -- there we go. Page 67



1	MR. WOHLSCHLAGER: Yeah. Sorry about
2	that.
3	CHAIRPERSON HENDERSON: Oh, no
4	worries. This is Rick Henderson.
5	Just a follow-up on this, John. So you're pretty
6	confident here for this subcommittee has pretty much
7	fulfilled the work that it was tasked with, and we're not
8	ready at this time to put forth a vote to close the
9	subcommittee. We need to do a little bit more review
10	within ESAC and potentially next meeting would be the
11	closing subcommittee?
12	MR. CARINI: That's correct.
13	CHAIRPERSON HENDERSON: All right.
14	Perfect. Thank you, sir. This is Rick Henderson.
15	Any other questions on the A17.1 product vetting?
16	If no more questions on the product vetting, that brings
17	us to the port and grain conveyances.
18	Lyall, that's you again, man.
19	
20	Port/Grain Conveyances
21	
22	MR. WOHLSCHLAGER: Yeah. Lyall
23	Wohlschlager.
24	Yeah. Just to bring everybody up to speed, back in
25	November ESAC of 2022, there was a stakeholder
	Page 68

brought up the idea of possibly looking into video inspections for some of the remote grain conveyances, in particular partly due to the escort requirements, partly due to the L&I's difficulty in doing inspections when there's grain dust and mice feces and, you know, other things that required PPE, and protections of the L&I inspectors.

8 So the idea was to explore possibly doing some sort 9 of video inspections and try that possibly on a pilot 10 program. So this subcommittee has just been formed, and 11 we will be trying to put together our first meeting in 12 June to explore that -- those options and see how they 13 may or may not work.

We're not sure how applicable it may be to the port industry, but, again, that will be part of the subcommittee to review. So status is looking for our first meeting in June.

18 CHAIRPERSON HENDERSON: Okay. This is19 Rick. Thank you, Lyall.

Any follow-up questions for Lyall on that one?
If not, we've done a really good job of getting back
on schedule, which brings us to new and continued
business and audience questions.

24 Melissa, I think you're up next on the QEI 25 certification in May.



1 New/Continued Business and Audience Questions 2 Upcoming QEI Certification in May 3 4 MS. ERIKSEN: I'm up next. So I am super stoked because we get to put on a QEI certification 5 6 class, and this is two days. It is not one or the other. It is both days. It is in person. 7 It will be in Tumwater, and you can email me if you 8 want to attend. I believe it's on the NAEC's website. 9 10 You can sign up for that as well. It is May 23rd and 11 24th. There will be fantastic trainings and discussions 12 13 held by internal -- internal people and guests coming in, 14 covering a wide range of topics that we are currently 15 dealing with, so it will be really good information. 16 Plus, I have it on good authority to put my boss on the hot seat and say that it might -- and by "might," I 17 18 mean probably -- count for not only your OEI credits but 19 mechanics license continuing education as well. That said, only if you attend in person. 20 21 So that is that. If you have questions, my email is 22 in the chat. You can message me. And we are looking 23 forward to having this and seeing you. CHAIRPERSON HENDERSON: Very good. 24 25 Looking forward to seeing it.

1	Any follow-up questions for Melissa on that one?
2	If not, next on the agenda, in-ground casing
3	drilling on existing jobs for Carl.
4	
5	In Ground Casing Drilling on Existing Jobs -
6	Conveyance Work?
7	
8	MR. CARY: Yeah. Carl Cary. Thank
9	you, Ricky. Really appreciate it.
10	So we've we had a robust conversation, albeit
11	short, on this prior to beginning of the ESAC meeting.
12	So essentially wanted to open up the discussion, again,
13	related to drilling of steel casings for in-ground
14	cylinders.
15	Just to frame the conversation a little bit, as we
16	talked about previous to the ESAC starting, obviously
17	with the requirements of A17.3 and single bottom
18	cylinders in some existing buildings, replacement of
19	those cylinders requires the installation of the
20	replacement of an in-ground steel casing.
21	Obviously not every cylinder replacement is going to
22	need a casing installed or replaced, but there certainly
23	are some that will need that.
24	So specifically on the matter of the requirements of
25	mechanic standby for that installation of the steel

1 casing, there -- previously there was kind of an unwritten understanding that once the elevator equipment 2 was -- the cylinder was removed, the elevator was made 3 safe, lockout/tagout. 4 If the drilling for that casing was hired directly 5 by the owner, once the elevator was made safe, those 6 items were done. Mechanic standby was not required. 7 However, if the driller was hired directly by the 8 9 elevator company, then mechanic standby during that 10 installation of the casing was required. 11 So what I'd like to do is kind of frame a 12 discussion, I guess, around that and see if there is --13 if there's any more. 14 I don't know, Gerald, if you have any more that you 15 want to fill in, in the blanks there, kind of as we dive into that. 16 This is Rick 17 CHAIRPERSON HENDERSON: 18 Henderson. 19 Just one point of clarification on that, Carl. Ι think you mentioned this was an A17.3 requirement. 20 Ι 21 want to clarify this isn't A17.3. This is going to be an 22 A17.1 requirement as it's in the A17.1 for single bottom 23 jacks, not an A17.3. 24 MR. CARY: Correct. I quess the 25 retroactive is A17.3 requiring replacement of single Page 72



1 bottom cylinders with new ones that meet A, B, or C 2 covered in A17.3, 4.3.3, as well as potentially, I guess, 3 A17.1 to your point, Ricky. 4 CHAIRPERSON HENDERSON: Right. I believe it's been code in A17.1 for quite a while. 5 I was 6 trying to find the code rule. I'm having trouble finding it right now. 7 Gerald, do you know what that code rule is the 8 9 A17.1? 10 MR. CARY: Yeah. And I think the --11 I'm sorry. Carl Cary. I know we're getting a lot of Sorry, Andi. Carl Cary. 12 back and forth. 13 The -- I think what you're talking about, Ricky, 14 specifically is the requirement to remove -- that the 15 single bottom cylinders were no longer permissible to be installed; correct? Is that what you're referring to? 16 17 CHAIRPERSON HENDERSON: Let me see if 18 I can find that one. I'm going to withdraw my earlier 19 comment and see if I can -- until I find that rule that I'm thinking about here. 20 21 UNIDENTIFIED SPEAKER: 8658. 22 CHAIRPERSON HENDERSON: 8658? 23 I believe UNIDENTIFIED SPEAKER: 24 that's it, yeah. MR. CARY: This is Carl. 25 Page 73

1	Ricky, I didn't know if you had another point. I	
2	was pausing to see if you	
3	CHAIRPERSON HENDERSON: No. I'm	
4	sorry. This is Rick Henderson.	
5	I'm looking for that 8658 requirement real quick	
6	here.	
7	Yes. And that's this is Rick Henderson again.	
8	And, Jim, please jump in here and correct me if I'm	
9	wrong, but the 8658 requirement in A17.1 is an existing	
10	elevator requirement that, if you have a single bottom	
11	jack, per A17.1 rules, the safety bulkheads are not	
12	you have to they have to be dealt with either by car	
13	safeties or plunger gripper.	
14	But it's not so this is where I just want to make	
15	a clarification on this one for a single bottom jack. I	
16	believe the trigger for this isn't necessarily A17.3,	
17	rather, it's A17.1, since there was a WAC rule change,	
18	which gave us we had a previous log that allowed us to	
19	exempt this requirement in A17.1.	
20	That WAC rule went away and hence A17.1 and this	
21	ruled out is in effect for Washington State.	
22	MS. GOULD: Jan Gould, City of	
23	Seattle.	
24	It's under the maintenance section that's	
25	interesting for hydraulic elevators.	
	Page 74	



1	CHAIRPERSON HENDERSON: But it's my	
2	understanding that this is correct. It's under the	
3	maintenance section but it's it is there.	
4	That that was my only comment on that one, Carl.	
5	MR. CARY: Yeah. This is Carl.	
6	I guess I I don't know what triggers that. It	
7	certainly seems clear that via the 4.3.3.3 and 17.3, to	
8	me, with existing buildings that that was the trigger,	
9	but I guess I will leave that I guess I don't know the	
10	answer for whether that's a 1 or a 3 because, as stated	
11	before, the 1 is in the maintenance section and seems to	
12	be applicable to new installation or potentially	
13	maintenance and testing as that section is referenced.	
14	MS. GOULD: Jan Gould again.	
15	Yeah. I yeah. I believe the driver is the one	
16	under A17.3, but A17.1 for replacement of jack would be	
17	applicable, you know, if they just chose to, but I'd like	
18	to see I'm going to look and see if there's any	
19	interpretation on that particular rule.	
20	CHAIRPERSON HENDERSON: This is Rick	
21	Henderson again.	
22	I think this one is going to come into play just	
23	like there's discussion right now on the A17.1 committees	
24	to require door restricters or excuse me not door	
25	restricters door lock monitoring requirements in the	
	Page 75	

Γ

1	Section 8 of A17.1.	
2	Sorry. Go ahead, Jan.	
3	MS. GOULD: Oh, Jan Gould again.	
4	In the 2022 ASME A17.1?	
5	CHAIRPERSON HENDERSON: Correct.	
6	That's there's discussion about it. I don't know that	
7	it's going to make it in there.	
8	MS. GOULD: Okay.	
9	CHAIRPERSON HENDERSON: But	
10	regardless, one way or another, whether it's triggered by	
11	A17.3 or A17.1, I think it's either way is pertinent to	
12	your discussion here. I don't want to take away from	
13	more of it there.	
14	MR. CARY: This is Carl.	
15	Thanks, Ricky. So I think the discussion or some	
16	I guess I certainly want to facilitate discussion. I	
17	think the conversation along the lines outside of, you	
18	know, where is the trigger, whether it's A17.1 or A17.3	
19	is, and at what point is the if the drilling	
20	company if a casing is required and the drilling	
21	company is hired directly by the owner, especially the	
22	mechanic is not standing by, at what point is the	
23	elevator, quote/unquote, made safe or at what point are	
24	they are they allowed or are they available to do	
25	that?	
	Page 76	



1	And I I don't know the answer to that. Obviously			
2	I'm if it's a demarcation of, you know, with via a			
3	PC that says, hey, these items have to be complete and			
4	then the driller can come in or what.			
5	But as I said, you know, certainly that's we're			
6	an advisory group, so that final decision is up to the			
7	chief. However, if everyone has any thoughts, let's talk			
8	through it.			
9	CHAIRPERSON HENDERSON: Gerald, go			
10	ahead.			
11	MR. BROWN: Duane had a comment. His			
12	hand is up.			
13	CHAIRPERSON HENDERSON: Duane?			
14	MR. LEOPARD: Duane Leopard, City of			
15	Spokane.			
16	This is where I stand on this. The drilling of the			
17	actual well and casing installing is work by others.			
18	It's like the plumber that has to get in the pit, the			
19	electrician that needs to repair lights, maybe the			
20	sprinkler guy, whoever. That's all work by others, and			
21	this drilling portion of it, to me, is work by others,			
22	whether it's hired by the elevator company or the owner.			
23	I don't know of any code or law and I could be			
24	wrong. Gerald, correct me if I am that requires a			
25	mechanic to be on-site during any of the process.			

1	It would behoove the companies the elevator			
2	companies to have it checked and whatnot, and it might be			
3	between the elevator company and the well driller that			
4	there will be, but to my knowledge, there is no exact			
5	code that requires an elevator mechanic to witness this			
6	stuff. If it's done by another drilling company, it's			
7	work by others.			
8	That's that's basically where I stand on it.			
9	MR. BROWN: We basically just require			
10	they pull a permit to replace the jack and that that work			
11	is performed by the elevator company replacing the jack.			
12	But like you said, work by others for the casing and			
13	things like that, there's no part number for that for			
14	elevator company, so it is indeed work by others.			
15	But there is always going to be interaction between			
15 16	But there is always going to be interaction between the elevator company and the and the driller, you			
16	the elevator company and the and the driller, you			
16 17	the elevator company and the and the driller, you know, even if it's just checking to make sure that			
16 17 18	the elevator company and the and the driller, you know, even if it's just checking to make sure that it's the car is still properly secured and everything			
16 17 18 19	the elevator company and the and the driller, you know, even if it's just checking to make sure that it's the car is still properly secured and everything else you've got.			
16 17 18 19 20	the elevator company and the and the driller, you know, even if it's just checking to make sure that it's the car is still properly secured and everything else you've got. And then also if they like to have somebody do			
16 17 18 19 20 21	the elevator company and the and the driller, you know, even if it's just checking to make sure that it's the car is still properly secured and everything else you've got. And then also if they like to have somebody do standby I've done standby before, worked with the			
16 17 18 19 20 21 22	<pre>the elevator company and the and the driller, you know, even if it's just checking to make sure that it's the car is still properly secured and everything else you've got.     And then also if they like to have somebody do standby I've done standby before, worked with the driller side by side in there, you know. Periodically</pre>			

1	here. Get in there and make sure it's done and get in		
2	there in the spider box and make it's plumb flush and		
3	straight and everything is still going the right		
4	direction."		
5	Because, when it's all said and done, that's how we		
6	end up with jobs that have bad placement of jacks and,		
7	you know, how that's approached by, you know, offset		
8	plates and things like that, which is never good. You'll		
9	always have an elevator that's never quite right if they		
10	put the hole in the wrong place.		
11	Carl?		
12	MR. CARY: This is Carl.		
13	Ricky, I see some stuff that you put in the chat		
14	there. I know not everyone has access to the chat.		
15	Do you want to talk through that?		
16	CHAIRPERSON HENDERSON: Oh, I was just		
17	sort of popping in I put in a some of the		
18	interpretations I was just looking up on that A17.1		
19	requirement. There's several interpretations on the 8658		
20	referenced where that does apply to existing equipment.		
21	And I see we have another hand up here.		
22	MR. DAVIS: This is Duke Davis.		
23	Hey, I was just going to comment on the work by		
24	others nature of other trades in the pit as well. We've		
25	always kind of used that 902 as a guidance for it as far		
	Page 79		

as providing access to this base, to the pit, making sure
 that the appropriate lockout/tagout procedures have been
 performed by a licensed elevator mechanic.

Beyond just the, you know, the drilling and casing issue that Carl brought up was the things Gerald touched on earlier, the pit ceiling, the electrical work, all the other trades in there.

8 The one question I have for clarification as we move 9 forward on that, if we're operating under that 902 and 10 it's working for us, is that written notice provided to 11 the Department?

Gerald points out that, you know, when they're doing a jack, there's obviously a permit in place from the elevator company, and that's -- that seems adequate written notice to me.

But if we're going in there, we're changing pit lights, adding GFIs, if a plumber is going in there dealing with a sump pump, or, say, ground injection for a leaky pit or something, who do we put the onus of that notice on?

Because there's really no elevator work going on
there. It's just the safe access provided.

23 Would that be the GC, the plumber, or would that be 24 the access providing elevator to stay compliant?

MR. BROWN: Well, the elevator

Page 80



25

mechanic that places a car out of service like	
red-tagging or placed out of service, they need to	
contact the Department and let them know that that's not	
functioning. They're supposed to notify us.	
So, yeah, you're always going to have a licensed	
elevator mechanic involved in placing a car out of	
service. So, yeah, they should notify us that they	
have that it is placed out of service, to contact the	
local inspector and say, "Hey, I'm over here at the XYZ	
building, and this car is out of service."	
And that way, we don't waste an inspection trip on a	
job with a car that's down, so	
MR. DAVIS: Perfect. Okay.	
CHAIRPERSON HENDERSON: Rick	
Henderson.	
Gerald, I guess the one thought that I had on there,	
I understand who is supposed to be reporting to the	
State, but there's a couple of I notice at least one	
other time where a requirement is to be notified in	
writing. So I'm assuming this would be email type.	
Is there a specific email address that they should	
be using for this one, just a general email address, or	
how get more into the details of the process on what	
should that be and does there need to be an indication	
that it's been received and approved or just is the email Page 81	



being sent sufficient?

1

2 MR. BROWN: I think requesting by 3 email to the local inspector for that, that's posted on 4 our website who the inspector is for that location and 5 the supervisor.

6 And if they were both copied on an email that this 7 particular building is down for this type of work, or for 8 some reason it's placed out of service, that that would 9 suffice for the in writing and the right people know. 10 That would be sufficient.

11 I'd like to see this cleaned up and the WAC rule to 12 make a similar statement to that effect, but for right 13 now, let's just contact via email the inspector and the 14 supervisor both because, you know, inspector is on 15 vacation or supervisor is on vacation, we have double 16 coverage, and ask for them to respond to you that they 17 received it.

18 And that way, you know there was an accepted 19 correspondence, and that way, there's no question. 20 There's not going to be, "Well, nobody told me that."

Well, I got a copy right here. You responded back to me on, you know, the 5th of July or whatever that you got my email that this car was down. We're doing a cylinder replacement."

CHAIRPERSON HENDERSON: This is Rick

25

1 Henderson again.

So with that said, the person doing the work on this 2 one would need a response back before it would be 3 4 accepted for the --I would think they would 5 MR. BROWN: 6 want to get the response back, yeah. I think just for 7 their coverage of doing the right thing, that they have a response back. It doesn't take very long for an 8 inspector to acknowledge that, you know, "Hey, thanks for 9 10 letting me know," that kind of thing. 11 CHAIRPERSON HENDERSON: Okay. 12 MR. BROWN: That's correspondence --13 that's something that's documented. It's a matter of 14 public record. Anytime we touch an email, it's a public 15 record thing, so we can go back and show it and say, 16 "Yep. I got it right here." So that way, it's --17 everybody is on the same page. CHAIRPERSON HENDERSON: And I believe 18 19 you already mentioned that you would like to have that clarified a little bit better in the WAC. 20 21 MR. BROWN: Yeah. I'd like to see 22 that. I mean, it just makes sense to have that in there. 23 I don't want to kill it with science, but, you know, just 24 acknowledge that we'd accept written correspondence with 25 a -- you know, return receipt or some type of return

1 email or something.

It's just an acknowledgment, "Yeah. I got it.
Thank you. Proceed," or whatever. It's not a -- I mean,
if the work needs to be done and it's in a permission
thing, it's, "Yeah. That car is out," so we don't waste
inspection staff to go look at a job that's shut down.
CHAIRPERSON HENDERSON: Okay.

MR. BROWN: The majority of the time, 8 you know, major like that is covered with the Department, 9 10 and they're going to be there anyway, but if you have -like Duke was saying, "Hey, they've got to get in and 11 seal the pit," you know, we don't -- we don't have 12 13 elevator companies out sealing pits and doing, you know, 14 that type of advanced hydraulic work, prevention work on 15 the pit floors and stuff.

16 But we still have an elevator company involved with taking it out, and, "Hey, you know, we're over here at 17 18 the XYZ building. They're going to be sealing the pit 19 floor, and I took it out on Monday, and I'll be back on Friday, and I'll notify it when the work is complete." 20 21 CHAIRPERSON HENDERSON: Yeah. And I 22 think, as somebody else mentioned -- might have been Duane -- there's a lot of other work that goes on that 23 24 sort of falls into this same category in Item 2 that we 25 need to be following the same processes per the RCW.

1

2

17

MR. BROWN: Yep.

MR. CARY: This is Carl.

3 So just to -- I like putting bows on long conversations. So what I heard -- Gerald, tell me if I 4 heard wrong -- for, to Duke's point, if you are doing 5 6 sealing a pit or something along those lines under 902, 7 that the direction there is to email L&I, the supervisor, the inspector, and let them know, "Hey, this is what's 8 9 going on," but as far as a casing removal, kind of our 10 initial conversation, because a permit has been pulled. 11 So obviously everyone knows where that cylinder replacement, there's no kind of special notification or 12 13 anything for that specific task; right? 14 MR. BROWN: No. It's already

15 associated with the permit. So, yeah, I would think that16 would be sufficient.

# MR. CARY: Got it.

18 Any other discussion on this topic? I quess I just 19 wanted to propose, Gerald, do you feel like we need to put out some sort of clarification on this? Obviously 20 21 we've talked a lot about this, just kind of memorialize 22 this with kind of like, "Okay. Here is what this is, and 23 here's where it's at," or do you feel like, you know, this conversation -- the minutes from this meeting are 24 sufficient? How do you want to move forward? 25



1 MR. BROWN: I think that would be 2 such. 3 MR. CARY: Just the minutes? MR. BROWN: 4 Just the meetings and 5 stuff, yeah. MR. CARY: Okay. Any other discussion 6 on this topic? 7 8 CHAIRPERSON HENDERSON: I think if 9 anybody else has any questions -- and just for me, I'm 10 sort of putting -- and this is Rick Henderson -- my own 11 little bow on it. So for -- as far as the State is concerned, jack 12 13 casings are not considered conveyance work, licensed 14 elevator mechanics work. That's done by outside 15 contractors, and that's why the State is going to be 16 moving forward on this one. 17 Did I follow all that correctly? 18 MR. BROWN: Right. In this particular 19 scenario, where they got an existing elevator and they're doing that work, but, you know, if you're drilling holes 20 21 out in the middle of the field, there's no -- nobody is 22 putting together conveyance components too, to do that. 23 So we don't do permits for drilling casing holes and, you 24 know, that kind of thing, so --25 CHAIRPERSON HENDERSON: Understood.

1 With no more questions on that one, that brings us up to 2 conversations from stakeholders. 3 Conversation from Stakeholders 4 5 CHAIRPERSON HENDERSON: Melissa, 6 question: Do we close out the meeting before we have 7 conversations or does these stay on? So these 8 9 conversations stay on for the recorder? Very good. 10 So opening it up for conversations from stakeholders 11 out there, anything that we've talked about or have not talked about through here is opportunity to bring those 12 13 up now. 14 And looking for any questions or conversations on 15 topics. Gerald? 16 MR. BROWN: I just wanted to take just a second to address the stakeholders, people that take 17 18 the time to contribute their time and knowledge and 19 expertise to our subcommittees and the important work 20 that takes place there, we really appreciate you doing 21 this. 22 You know, this isn't a paid thing, and it takes time 23 away from your busy days and away from your business to step in and work on these subcommittees and the important 24

Page 87



work that takes place there.

25

I want to assure you, as the program manager, that this information that come back from these subcommittees is important. It's not summarily dismissed. It adds value. What you're doing makes a difference for Washington State.

This is the -- you know, you're representing the boots on the ground by serving in these committees and offering input, and sometimes it's lively, and that's great too, because it needs to be said and done.

10 And so if -- if you ever wanted to know how we 11 really feel, we really are appreciative for what you're 12 doing and so thank you.

I didn't mean to tie up too much of the meeting,
but -- Gerald Brown, chief elevator inspector. I wanted
to thank you, each of you, for your work that you've done
and are about to do on some of these committees getting
staffed up and moving forward. Please take the time to
make a difference. Thank you.

19 CHAIRPERSON HENDERSON: Yeah. Rick.
20 I just want to second Gerald in just what he said.
21 Everybody is very busy these days, so this -- your time
22 is very much appreciated on these groups.

23

Dan, I see -- go ahead.

24MR. EGGERS: Yeah. Dan Eggers, Otis25Elevators.



I've been hearing a lot of kind of pushback from 1 2 some of the localities about how we're supplying power for sump pumps in the pit and disconnecting means about 3 different kinds of plugs and outlets and the size that 4 they have to put in there. 5 6 Has there been any thought or discussion -- I know, Gerald, I think you've heard some stuff from the City of 7 Bellevue about it, but has there been any discussion 8 about kind of solidifying exactly what is required in 9 10 those situations because I know -- I know Bellevue is really pushing back hard on it right now. 11 12 MR. BROWN: On the high voltage pumps 13 or what specifically? 14 MR. EGGERS: Yeah. They're saying 15 that some of the pumps that are going to be required to 16 move those volumes of water are going to require a 17 substantial -- up to a 3-phase outlet in a pit. 18 And I just saw a letter from the City of Bellevue, 19 talking about that. So they were going to start firing back a little bit on it. I didn't know if you heard 20 21 anything about it or if you guys had any discussions 22 about it. 23 A 50-gallon-a-minute sump MR. BROWN: 24 pump lifting 30 feet, you can do with a three-quarter or 25 one-horse, 110-volt pump.

1	Seeing as though we're not trying to pump 50 gallons	
2	underneath every elevator in that hoistway, I don't I	
3	don't get their argument that they have to use 480-volt	
4	or 230-volt pumps to lift 50 gallons of water a minute.	
5	So if they're over-engineering it, I don't I	
6	can't address that.	
7	MR. EGGERS: Okay. Okay. I just	
8	MR. BROWN: I think they're	
9	overkilling it and overcomplicating it.	
10	A simple sump pump, which is, you know, basically	
11	their grinder pumps for sewage grinder pumps is what	
12	typically they use on the little short legs, and it pumps	
13	50 gallons a minute. That's a pretty clear setup at	
14	17 gallons a minute.	
15	And so I don't get why they are pushing to go with	
16	these high-voltage, high-speed pumps to move this	
17	humongous volume of water when it's just 50 gallons a	
18	minute per hoistway.	
19	Obviously they're bidding they can bid 2019	
20	equipment right now, and so do so. And that sump pump	
21	requirement for just having one per hoistway takes effect	
22	and move forward. I don't get their argument, and I	
23	questioned them on it, and I got no answers back, no	
24	valuable answers back, from the people I talked to about	
25	it, so	
	Page 90	



1	MR. EGGERS: Great. Thanks for the			
2	feedback on that. I appreciate it.			
3	CHAIRPERSON HENDERSON: This is Rick			
4	Henderson.			
5	Dan, if there's something that the ESAC committee			
6	needs to address on this or look into it and put forth a			
7	recommendation or anything that we can do to help out on			
8	this one, if you get more details on what exactly is			
9	going on with it, please feel free to reach out to us to			
10	put this into a topic on a to work on.			
11	MR. EGGERS: Appreciate it, Ricky.			
12	This has just come up recently, and I think the 2019 is			
13	going to take care of all that and kind of do away with			
14	all of it.			
15	I do like what some of the contractors have been			
16	doing with providing a separate location for the pumps so			
17	there's a drain in the pit, and it actually goes to a			
18	sump pump outside of the pit that gets their equipment			
19	out of our space and gets them out of our work areas,			
20	which I think would be the ideal way to do that.			
21	MR. BROWN: That's the way they used			
22	to do it in Canada. They're the ones that came up with			
23	the idea. We always liked it.			
24	MR. EGGERS: Yeah. I think that			
25	that would be a great way of performing what we need to			
	Page 91			



1 have done in those situations. CHAIRPERSON HENDERSON: I see Jan's 2 3 qot -- had question. MS. GOULD: 4 Yes. Jan Gould. Are we still recording? 5 6 CHAIRPERSON HENDERSON: Yes. 7 MS. GOULD: Okay. Jan Gould, City of Seattle. 8 9 Dan, we're just starting to see under the Yeah. 10 2018 Seattle Building Code where each hoistway has to 11 have a sump pump or drain, but for FSA elevators, per our Seattle Building Code 403 section, that sump pump has to 12 13 be on emergency power. 14 But after it leaves the hoistway, all that other 15 pumps related to removal of water from the building are 16 not on emergency powers, so pretty interesting. And King County plumbing and piping and gas piping 17 18 inspectors have a great sheet on this topic and how to 19 It's -- the new assistant chief has accomplish it. really dug in, and he's got a great spreadsheet on 20 21 that -- on their website of how to accomplish all this. 22 CHAIRPERSON HENDERSON: Okav. 23 MS. GOULD: And it's based with 24 Gerald's input too, so --25 CHAIRPERSON HENDERSON: All right. Page 92



1 Thank you, Jan. 2 MR. BROWN: I didn't know. This is Rick CHAIRPERSON HENDERSON: 3 4 Henderson. Dan, I noted you still have your hand up for -- oh. 5 6 MR. EGGERS: Removed. CHAIRPERSON HENDERSON: All right. 7 Just want to make sure you didn't have another follow-up 8 9 question there. 10 Any more conversations from stakeholders on 11 anything? With no questions showing up, I believe this is --12 13 do I have a motion to close the meeting? 14 MR. WOOD: This is Garry Wood. Motion 15 to close. 16 CHAIRPERSON HENDERSON: Do I have a 17 second? 18 MS. GOULD: Second, Jan Gould. 19 CHAIRPERSON HENDERSON: And can I have 20 a -- so I have a motion. I have a second. 21 Can we have a vote? Raise your hand for closing. 22 And, Melissa, do we have --23 MS. ERIKSEN: Sounds like everybody is 24 ready to get out of here. Thank you very much, everyone, 25 for coming and joining us.

1	Ricky and Garry, congratulations. Y'all did a great			
2	job, and we will see you in August.			
3	CHAIRPERSON HENDERSON: Thank you,			
4	everybody.			
5	(Proceedings concluded at			
6	11:25 a.m.)			
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
	Page 94			

1	CERTIFICATE	
2	I, ANDREA L. CLEVENGER, a Certified Stenographic	
3	Court Reporter in and for the State of Washington, residing	
4	at Olympia, authorized to administer oaths and affirmations	
5	pursuant to RCW 5.28.010, do hereby certify;	
6	That the foregoing proceedings were taken	
7	stenographically before me and thereafter reduced to a typed	
8	format under my direction; that the transcript is a full,	
9		
9 10	true and complete transcript of said proceedings consisting	
	of Pages 1 through 95;	
11	That I am not a relative, employee, attorney or	
12	counsel of any party to this action, or relative or employee	
13	of any such attorney or counsel, and I am not financially	
14	interested in the said action or the outcome thereof;	
15	That upon completion of signature, if required,	
16	the original transcript will be securely sealed and the same	
17	served upon the appropriate party.	
18	IN WITNESS WHEREOF, I have hereunto set my	
19	hand this 24th day of May, 2023.	
20		
21	andren 2 levenger	
22	Andrea L. Clevenger, CCR No. 3041	
23	(Certified Stenographic Court Reporter)	
24		
25		
	Page 95	



\$	<ul> <li>2016 19:24 20:22 21:4,8 22:5,17,18</li> <li>28:6 29:16,24 30:2,15 31:22 32:1,5,</li> <li>7,8 33:6 35:5</li> </ul>	5
<b>\$100,000</b> 38:14	7,8 33:6 35:5 <b>2017</b> 21:17	<b>5</b> 46:14 65:14,18
<b>\$4</b> 46:13	<b>2018</b> 28:10,18 92:10	<b>50</b> 11:17 14:23 15:13,15,16,23 18:3
	- <b>2018-type</b> 21:19	90:1,4,13,17
1		50-gallon-a-minute 20:21,22
<b>1</b> 46:25 49:9,14,16 59:14 75:10,11	- 2019 20:11,12,13,15,16,18,19,23 21:3,10,13,14,15 22:2,19,20 28:6	89:23 <b>5:00</b> 42:1
<b>1,233</b> 15:14	29:8,10,11,13,16,17,19,21 30:1,3, 10,11,16,20 31:7,21,23,25 32:2,3,	
<b>1,235</b> 14:4,8	10,11,12,14,15,17 33:7 35:5,22 41:3	5th 82:22
<b>1,677</b> 14:4	90:19 91:12	6
<b>1.5</b> 59:15	<b>2020</b> 21:17,21,22,25 22:2 23:5 41:4	•• •• • •
<b>100</b> 14:7,13,16,23	<b>2021</b> 34:17 36:1 57:10,11	<b>60</b> 12:3,4
<b>10:00</b> 43:15	<b>2022</b> 34:17 68:25 76:4	<b>63</b> 24:15
<b>10:23</b> 56:23	<b>2023</b> 5:2 12:19 42:20,24 43:3	<b>64</b> 24:15
<b>10:32</b> 56:18	<b>2023's</b> 7:17	7
<b>10:33</b> 56:24	<b>2024</b> 42:21,24 43:1,2	
<b>11</b> 10:15	<b>230-volt</b> 90:4	<b>70</b> 14:5
<b>110</b> 20:6	<b>23rd</b> 42:25 70:10	<b>70s</b> 16:3
110-volt 89:25	<b>24th</b> 70:11	<b>74</b> 12:5 15:24
<b>11:25</b> 94:6	<b>250</b> 52:23	<b>7th</b> 41:20
<b>120</b> 56:5	<b>2nd</b> 41:7	8
<b>13th</b> 41:22 42:1	3	
<b>16</b> 5:2		<b>8</b> 76:1
16th 5:8	<b>3</b> 56:8 75:10	<b>8.5</b> 42:19
<b>17</b> 90:14	<b>3-phase</b> 89:17	8658 73:21,22 74:5,9 79:19
<b>17.3</b> 33:10,11,24 75:7	<b>30</b> 40:7 57:5,12 89:24	<b>894</b> 15:12
<b>18.1</b> 21:16,25	<b>35</b> 14:6,9 15:4	
<b>18.3</b> 28:18	4	9
<b>180</b> 40:1		<b>90</b> 36:20 37:12
<b>1956</b> 24:4	<b>4</b> 25:10	90-day 23:21 36:10
<b>1st</b> 34:17,18 36:1 42:3,4,20,21	<b>4.3.3</b> 73:2	<b>902</b> 79:25 80:9 85:6
60:15,18	<b>4.3.3.3</b> 75:7	<b>9:00</b> 41:21,24
	_ <b>403</b> 92:12	<b>9:01</b> 5:2
2	<b>40s</b> 12:4 15:21	
<b>2</b> 59:14 84:24	<b>480-volt</b> 90:3	Α

#### Elevator Safety Advisory Committee Meeting Transcript of Proceedings - May 16, 2023

A10.4 23:8 A10.5 23:5 41:4 A17.1 6:9 20:11 22:5 35:5 37:21 41:3 66:14,17,21 68:15 72:22 73:3, 5,974:9,11,17,2075:16,2376:4,11, 18 79:18 A17.1-2019 19:17 A17.1. 65:15 67:3 74:19 76:1 **A17.3** 19:17 24:8,11,13,18 27:17 28:10,13,17,20,21 32:23 71:17 72:20,25 73:2 74:16 75:16 76:11,18 A17.3. 23:15 72:21,23 A17.5 23:1 A18 67:1 A18.1 22:3 41:4 66:23 67:11 A18.1-2020 19:17 ability 23:19 46:7 absence 36:13 61:12 accept 8:1,25 22:5,19 29:12 83:24 acceptable 67:2 acceptance 33:12,13 accepted 66:25 82:18 83:4 accepting 41:25 access 27:21 30:8 47:6 79:14 80:1, 22,24 accessibility 7:10 accident 12:15,18 19:12 accidents 12:21,22,23,24 13:1,2,6, 7,16 accomplish 92:19,21 acknowledge 83:9,24 acknowledgment 84:2 act 64:12 acting 40:22 action 35:20 38:23 actual 17:20 18:6 77:17 ad 6:8 **ADA** 30:21

add 58:1 added 45:19 52:7 57:10 adding 80:17 addition 45:18 additional 12:7 32:23 38:6.20 47:24 52:1 57:11,13 67:4 address 18:20 34:14 41:17 57:18 65:22 81:21,22 87:17 90:6 91:6 addressed 35:1 38:24 39:3 addresses 57:20 58:15,18 addressing 39:4 65:4 adds 88:3 adequate 80:14 admit 49:17 adopt 23:11 28:14 41:3 42:2 67:14 adopted 7:22 8:6 19:23 23:9 24:7,8, 16 28:6,10,15,21 29:13 31:7 33:11 34:18 42:3,23 adoption 21:5,24 22:4,6 23:5 29:3 Adoptions 19:16 advanced 84:14 advantage 22:8,21 advisor 57:8 advisory 5:9 57:17 77:6 **AEGIS** 7:6 affected 49:15 56:5 agenda 7:21 8:7 9:10 11:3 19:13 40:7,14 58:25 71:2 agree 9:23 ahead 20:10 55:17 76:2 77:10 88:23 albeit 71:10 Alex 43:7,20 **Alicia** 40:16,22 align 44:8 all-inclusive 20:18 allocation 34:19 allowed 48:20 74:18 76:24

allowing 20:9,12

alteration 18:9 24:9,12 47:11 65:7, 15,16,17

alterations 24:6 64:23 65:2,4,6

alternate 6:10,25 7:5,9

alternatives 39:16,21

aluminum 45:15 53:1,6

amended 56:3

**amount** 46:5

analysis 27:16,17,25 28:2,8,11 42:7,8 43:10,24 44:1,4,7,10

Andi 5:12,14 73:12

ANDREA 5:2

anniversary 18:6,18

announced 63:20

**annual** 11:24 14:7 15:20 46:24,25 49:9,14,16 65:9

**annuals** 14:1,4,12 15:13 16:1 17:17, 19,21 18:2,22

answers 64:18 90:23,24

anticipate 21:5

anytime 19:25 83:14

apologies 7:13 33:10

apologize 9:7 62:15

apparently 11:12

applicable 22:14 69:14 75:12,17

application 25:19,23,25 26:1,8 29:12

**apply** 79:20

appreciated 88:22

appreciative 88:11

approach 28:16

approached 27:17 79:7

approaches 23:17

approved 25:12,17 81:25

approximately 52:23 54:11

**April** 14:3

aptness 46:23

architects 7:7



back 12:3 14:1 15:17 25:11,15,16 28:10,23 29:3 34:12 44:15 49:4 56:14,15,17 57:2 61:13 62:8 68:24 69:21 73:12 82:21 83:3,6,8,15 84:19 88:2 89:11,20 90:23,24
backing 38:1
backlog 12:2

В

backlogs 11:24

**bad** 79:6

base 49:18 80:1

**based** 29:4,24 30:1,10,11 31:1 32:1, 3 46:2,12,21 49:7 52:15 92:23

**basically** 13:4 20:11 28:18 39:11 43:2 45:18 48:2,14,18 78:8,9 90:10

Bates 7:4

**battery** 51:23 beginning 60:17 71:11 begins 41:21 behalf 63:6 behoove 78:1 belaboring 31:19 Bellevue 31:2 89:8,10,18 **bends** 46:14 benefit 43:10 45:8,21 47:9 48:11,22 benefits 45:10 46:12 48:4,10 bid 22:7,20 29:15 90:19 bidding 90:19 **big** 27:6,11 45:21 bit 14:2 17:14 25:12 42:14,17 43:17, 25 49:10 50:18 68:9 71:15 83:20 89:20 blanket 23:16 26:24 blanketed 23:23 blanks 72:15 **bless** 14:22 board 57:17 BOMA 58:20 book 23:7 29:16 35:11 boots 88:7 **boss** 70:16 **bottom** 33:19,21,25 34:20,24 35:3, 12,19,23 36:8,19 37:1,22 38:9 39:23

**bottom** 33:19,21,25 34:20,24 35:3, 12,19,23 36:8,19 37:1,22 38:9 39:23 51:19 52:2 56:6 71:17 72:22 73:1,15 74:10,15

bottoms 33:16

**bow** 86:11

bows 85:3

**box** 79:2

bracket 25:3

**break** 54:25 56:13,15 57:1

Brian 7:6 10:25 15:9,10 63:6,8,13,22 64:1,20

bring 28:22 53:16 54:1 68:24 87:12

Index: area..Callen

bringing 16:10

brings 11:3 48:18 58:25 68:16 69:22 87:1

broke 55:25

broken 24:1,3 56:2

brought 69:1 80:5

Brown 6:18 11:10 12:17 14:11 15:16 18:1 19:19 25:21 26:3,6,17,20 27:3,13 29:9 30:2,13 32:4 34:2,15 36:9 38:21 44:23,25 51:15 63:24 64:8,15 67:19 77:11 78:9 80:25 82:2 83:5,12,21 84:8 85:1,14 86:1,4,18 87:16 88:14 89:12,23 90:8 91:21 93:2

budget 21:12 37:5

**building** 7:2,5 18:7,12,13,14 22:22 24:22 27:7 30:23 31:1,8,11 36:20 37:4,15 38:4,13,25 39:18 53:3,19 57:12 58:20 59:23 81:10 82:7 84:18 92:10,12,15

**buildings** 27:22 33:18 52:23 71:18 75:8

**bulb** 48:8

**bulbs** 48:5,6

bulkheads 74:11

bunch 30:25 33:14 47:14

burden 39:1

buried 39:1

**business** 28:4 44:19 45:24 46:19, 20,24 47:2 49:6,8,11,16,18,22 50:6, 9 56:7 69:23 70:1 87:23

business's 46:25

businesses 49:14

busy 87:23 88:21

**buy** 22:22

# С

**cab** 51:22 64:23 65:1,3,5,7,25 66:2, 7,11

calculate 53:7

**Callen** 43:22 44:13,14,24 45:4,7 49:13 50:10 51:5,14 52:21 53:23



- 54:3 55:6,12,17 56:22
- Canada 91:22

Candace 16:24

**cap** 39:12

capacity 65:19

capture 58:15

captured 58:17

**car** 65:19 74:12 78:18 81:1,6,10,12 82:23 84:5

care 18:25 37:13 62:7 91:13

Carini 7:1 66:19,20 68:12

**Carl** 7:4 29:1,2,22 31:18 32:19,21 33:9 36:4 37:17 40:6,9,10 71:3,8 72:19 73:11,12,25 75:4,5 76:14 79:11,12 80:5 85:2

**Cary** 7:4 29:2,22 30:5 31:17,18 32:21 33:9 34:3 36:4 37:17 40:10 71:8 72:24 73:10,11,12,25 75:5 76:14 79:12 85:2,17 86:3,6

Cascade 6:16

case 45:8 47:2

**casing** 71:2,5,20,22 72:1,5,10 76:20 77:17 78:12 80:4 85:9 86:23

casings 34:6 71:13 86:13

catastrophic 13:11

categories 61:17

category 46:25 61:3,8 84:24

CBA 42:11 43:10 44:19 45:11

**CCR** 5:3

ceiling 80:6

certification 69:25 70:2,5

**chair** 6:8 7:12 8:10 9:12,15,18,19, 23,25 10:14,18,19,24 61:11

chairing 7:14

CHAIRPERSON 5:7,14 6:4,17,20 7:11,20 8:2,5,11,13,21 9:5,17 10:6, 11,17,22 15:7 17:13 19:10 25:6 26:21 27:4 28:24 32:18 33:2 40:4,12 45:1 49:2,25 50:16 52:11 53:15,24 54:22 55:13 56:10,20,25 57:23 58:5, 10,23 60:24 62:12,21 63:7,21 64:19, 25 67:8,24 68:3,13 69:18 70:24 72:17 73:4,17,22 74:3 75:1,20 76:5, 9 77:9,13 79:16 81:14 82:25 83:11, 18 84:7,21 86:8,25 87:6 88:19 91:3 92:2,6,22,25 93:3,7,16,19 94:3

chairs 21:20

**change** 27:23 28:3,7 37:3 41:9 47:4, 9,17 48:25 49:12,15 56:1 74:17

changed 16:6 37:1

changing 28:1 43:2 80:16

Chapter 57:5,12

**chart** 11:14,19 14:1,3 15:11 17:5,6,7 34:21 36:2

charts 16:16

chat 41:17 57:18 70:22 79:13,14

cheaper 39:13 48:8

check 34:7,21 36:2 78:24,25

checked 78:2

checking 78:17

chief 6:18 39:6 63:24 77:7 88:14 92:19

chief's 11:3,6,8

chooses 64:12

chose 13:14 75:17

cite 24:5,20,21

**City** 6:24 31:1 45:5 55:3 57:5,8 58:2 74:22 77:14 89:7,18 92:7

claiming 32:6

clarification 9:24 50:2,20 72:19 74:15 80:8 85:20

clarified 33:4,8 40:8 83:20

clarify 50:5 51:15 72:21

clarity 29:4,24 31:18 36:5 65:4

**class** 70:6

cleaned 82:11

**clear** 25:14,20 29:18 30:6 31:20 32:22 40:6 52:10 53:16 75:7 90:13

cleared 13:21

Cleary 7:12

CLEVENGER 5:2

**clock** 18:13

close 13:20 68:8 87:7 93:13,15

closer 56:9

closing 68:11 93:21

**clubs** 50:7

**CMS** 12:10 23:24 25:4 26:11,13 27:1 58:25 59:4,8 60:7,14 61:1

**code** 19:13,16,23,25 21:3,17,18,25 22:14 23:7,10,12 24:4,7,13,23 25:13,16 28:7 29:5,6,16 30:20,23 31:1,7,8,11 32:8 33:15 34:18 35:22 41:3 45:19 48:2 57:7,12,17 73:5,6,8 77:23 78:5 92:10,12

**coded** 20:4 22:24 23:14 34:16 40:25 42:16

codes 24:16 28:8,15 41:4

**column** 52:13,18

**comment** 11:19 23:15 26:23 33:3 41:10 73:19 75:4 77:11 79:23

comments 7:17 41:25 42:2 56:12 59:21 62:23 66:12

commercial 20:11 22:6

**commit** 40:2

**committee** 5:9 6:2,9,21 7:14 9:3,20 64:2 65:21 91:5

committees 6:11 9:7 75:23 88:7,16

commonly 48:7

communication 27:14

**companies** 34:8,10 65:10 66:1,2,7, 11 78:1,2 84:13

**company** 37:24 38:11 39:11,18 57:21 59:23 72:9 76:20,21 77:22 78:3,6,11,14,16 80:14 84:16

**compare** 44:2 50:24 52:18

compared 17:24 18:3 50:22 52:13

**comparing** 17:16 53:17

**complete** 12:5 25:1 46:3 47:10 77:3 84:20

**completed** 11:15,16 14:4 15:13 16:1 17:10,19,21,22 18:2 62:1

**completion** 14:5 62:3



compliant 20:15,16 29:10,11 32:7 correct 9:4,6,13 10:19 26:6 27:3,13 **cut** 48:21 29:8 33:12 65:6,12 68:12 72:24 80:24 **cutoff** 22:5 73:16 74:8 75:2 76:5 77:24 comply 28:16 correction 24:24 36:6,10 37:6,12 component 24:1 corrections 23:21 37:22 42:18 components 86:22 43:1,6 **concern** 49:23 correctly 8:8 27:2 65:8 86:17 concerned 86:12 correlates 17:16 concluded 94:5 correspondence 82:19 83:12,24 concludes 10:23 cost 28:1,4 43:10 45:10,14 46:22,24 47:5,8,18,21 48:1 49:16 51:4 52:1,8 conducting 45:24 danger 37:11 53:12,14 54:10,13,17,20 confident 68:6 cost-benefit 27:16,17,25 28:2,8,11 **conflict** 18:10 dashed 14:6 42:7.8 43:23 44:1 confusion 17:14 **costs** 39:1 45:12,14,17 47:22 48:12 congratulations 94:1 count 10:8 13:1,3 70:18 consensus 44:9 counterintuitive 49:17 50:11 considered 47:15 86:13 counterweight 65:7,11,13,20 construction 23:1,6,7 57:17 counts 12:18 contact 81:3.8 82:13 County 92:17 continue 61:14 couple 6:9 29:3 39:9 43:19 60:18 61:23 81:18 continued 60:4 69:22 88:21 court 5:12,13 continuing 61:19,21 62:3 70:19 cover 24:18,21 49:10 contractors 86:15 91:15 coverage 82:16 83:7 contribute 87:18 covered 11:13 58:4 73:2 84:9 contributions 60:1 deal 19:21 covering 70:14 controller 24:10 conversation 71:10,15 76:17 CR-101 43:4 dealt 51:10 74:12 85:10,24 87:4 CR-102 41:7,8,9 55:22 debate 46:23 conversations 85:4 87:2,8,9,10,14 create 47:22 48:4 December 57:10 93:10 credits 70:18 decide 44:19 conveyance 18:20 29:10,11,13 critical 65:21 51:18 57:8 61:18 71:6 86:13,22 cross 61:17 conveyances 21:19 22:3 62:25 63:10,13 64:21 68:17,20 69:2 crystal 29:18 31:20 dedicated 19:9 copied 82:6 current 12:2 19:4 23:4 25:3 48:15 deemed 67:1 52:3 61:21 62:10 66:21 copy 55:5 57:15 82:21 delay 21:23 curriculum 61:4,8,15 62:1,7 copyright 28:20 demarcation 77:2 cord 48:20 **Curry** 40:16,21,22 55:15,18,25 customers 21:12 corner 38:1

cycle 23:10 29:4

cylinder 34:1 37:25 38:9,12,18 71:21 72:3 82:24 85:11

cylinders 71:14,18,19 73:1,15

## D

Dan 88:23,24 91:5 92:9 93:5

dangerous 24:19 27:20

data 43:21 45:19 48:2

date 14:14 18:8,18 21:5,7 22:4,6,13, 15,24 23:3 25:17 26:1,7,11 37:13 53:17 60:14 63:20

dates 18:6,10 43:1,2,3

Davis 79:22 81:13

day 21:25 25:16 29:17 41:22

days 36:20 37:12 40:1 70:6,7 87:23

deadline 22:11

deadlines 64:16

deadweight 65:18

dealing 16:7 70:15 80:18

decision 44:18 49:18 77:6

declared 32:13

Department 80:11 81:3 84:9

Capitol Pacific Reporting, Inc.

details 81:23 91:8 detector 21:1 determine 36:21 37:2 develop 17:8 developing 16:25 development 42:10 difference 44:1 45:23 46:15 50:25 88:4,18 difficulty 69:4 direct 46:8 direction 79:4 85:7 directly 41:18 72:5,8 76:21 disconnect 47:24 disconnecting 45:17 47:22 51:1,3, 16 53:19 54:5 89:3 disconnects 51:20,23 discussed 21:1 61:22 discussing 67:6 discussion 34:6,13 59:3 71:12 72:12 75:23 76:6,12,15,16 85:18 86:6 89:6,8 discussions 61:19 70:12 89:21 dismissed 88:3 dissolving 67:6 dive 72:15 division 40:23 44:3 documented 83:13 documents 41:14 42:9 Dolgikh 25:9,22 26:4,7,18 door 75:24,25 doors 47:6,7 dotted 14:20 15:4 17:15,16 19:2 double 82:15 draft 57:15 drain 91:17 92:11 drawing 64:6 drawings 33:5

drilling 71:3,5,13 72:5 76:19,20 77:16,21 78:6 80:4 86:20,23 driver 75:15 dry 67:23 Duane 6:24 45:1,5 77:11,13,14 84:23 due 18:8,14 19:7 69:3,4 dug 92:20 Duke 79:22 84:11 Duke's 85:5 duplex 36:23 dust 69:5

driller 72:8 77:4 78:3,16,22

# Е

earlier 37:23 49:5 58:12 73:18 80:6

early 57:10

easily 17:8 46:11

easy 37:2

economic 44:9,19 46:19,21 47:2 49:22 56:7

edges 21:1

education 61:4,8,19,21 62:3 70:19

effect 35:23,24 42:4,20 46:1 47:18 48:7 67:16 74:21 82:12 90:21

effectively 45:14 53:8

efficient 12:11

**Eggers** 88:24 89:14 90:7 91:1,11,24 93:6

elect 10:2,3,5,14

elected 39:18,19

electrical 80:6

electrician 77:19

elements 44:8

elevator 5:9 6:7,12,19,23 14:13 19:1 20:15 24:4 25:10 30:8,15 31:24 32:1,6,9 36:8,18,20 37:9 38:15,25 39:13 44:2 45:25 53:2,10,20 54:13, 20 59:23 63:25 72:2,3,6,9 74:10 76:23 77:22 78:1,3,5,11,14,16 79:9 80:3,14,21,24,25 81:6 84:13,16 86:14,19 88:14 90:2

elevators 6:16 12:19 13:1 15:2 18:7 20:12,24 22:6 30:17 33:14,16,20 38:5 45:18 47:23 48:13 51:7,8,10, 11,17,19,25 52:4,5,16 53:4,10 54:6, 12,14,16 74:25 88:25 92:11

**email** 41:16 57:18,20 58:15,17 59:10 66:4 70:8,21 81:20,21,22,25 82:3,6, 13,23 83:14 84:1 85:7

**emergency** 92:13,16

employers 49:19

empty 16:13

enable 12:10

end 23:22 33:4 56:4 79:6

endorsements 61:16 62:4

enforce 29:6

enforced 29:5

enforcement 19:16 23:16,23 26:24 27:12 31:11 35:23

enforces 31:12

enforcing 31:2

engagement 60:4

Engineering 7:7

engineers 7:7

entire 29:14

equipment 21:13,14,16,21 22:3,20, 22 24:17,19 28:23 32:6,7,10 36:21 37:15 65:20 72:2 79:20 90:20 91:18

**ERIKSEN** 8:16 9:13,24 10:3,9,15,21 55:8 56:18 59:6 60:16,23 63:5 70:4 93:23

errors 42:22

**ESAC** 6:1,6,8 9:2,11,15,20 10:24 12:1 27:9 42:17 55:4 61:1,7 62:2,20 63:17 67:6,12 68:10,25 71:11,16 91:5

escalator 13:12

escalators 12:20 13:2,8

escort 69:3

essentially 33:25 71:12	fault 12:23,24 13:2,3
estimated 50:23 52:8,13	February 7:17
everybody's 39:22	feces 69:5
evidence 37:10,16	fee 42:18,19 43:5,6
<b>exact</b> 52:2 78:4	feedback 63:17 91:2
<b>exceed</b> 46:24	feel 50:13 85:19,23 88
exceeding 14:20	fees 42:23
<b>excess</b> 14:19	feet 89:24
exciting 60:5	field 40:23 86:21
<b>excuse</b> 31:19 43:6 45:16 46:7 75:24	figure 23:22
exempt 7:9 44:9 74:19	file 29:19 43:4
exemption 45:22 46:1,13 47:10	filed 41:7
existing 6:10 12:13 71:3,5,18 74:9	filing 41:8,9,13
75:8 79:20 86:19	fill 12:8 72:15
exists 31:6	final 77:6
expect 54:11,19	financial 38:7,25
expectancy 53:6	find 73:6,18,19
expected 54:15 59:15	finding 65:11,25 73:6
<b>expense</b> 51:9,12	finish 16:14
expensive 28:22 31:4 35:20 38:2	fire 30:7,13,16
experienced 13:11	firing 89:19
expertise 87:19	fiscal 12:18
explain 50:14	five-year 23:20 65:10
explained 47:12	fixed 24:2
<b>explore</b> 69:8,12	floor 39:12 84:19
extra 54:5,10	floors 84:15
extremely 37:5	flush 79:2
F	<b>fly</b> 30:19
	folks 62:8
facilitate 76:16 factor 50:8	follow 21:2 22:16 31: 86:17
factors 11:20	follow-up 32:19 37:13 71:1 93:8
failures 13:12	foot-candle 48:5
fairly 20:7	formal 8:16
falls 22:21 84:24	formally 67:15

6 1:2 3 88:11 91:9 73:6 5:10 31:17 32:8,10 37:18 68:5 69:20 formally 67:15

formed 69:10 forward 12:10 22:1 58:19 60:5 67:20 70:23,25 80:9 85:25 86:16 88:17 90:22 forwarded 57:21 forwarding 58:16 found 21:15 64:6 65:9 frame 40:3 71:15 72:11 framework 67:3 free 50:13 91:9 Friday 84:20 front 60:19 FSA 92:11 fulfilled 68:7 functioning 81:4 fund 38:15 future 67:6

#### G

gallons 90:1,4,13,14,17 game 39:25 Garry 6:14,16 9:18 10:14 60:10,12 93:14 94:1 gas 92:17 gather 13:19 35:13 gave 74:18 **GC** 80:23 Ge 43:12,20 geared 21:11 general 28:7 51:25 81:22 generally 48:11 Gerald 6:17,18 11:5 13:24 19:12 25:11 29:4 33:3,7,12 36:5 37:19 46:16 51:14 52:22 63:23,24 67:15 72:14 73:8 77:9,24 80:5,12 81:16 85:4,19 87:15 88:14,20 89:7 Gerald's 92:24

get all 62:6



fantastic 70:12

Г

<b>GFIS</b> 80:17	handle 13:14 27:1	hit 14:22,23 38:8 51:22	
give 11:22 38:17 40:24 42:6 43:25	handrails 13:9	hitting 15:24	
55:19 59:19	hands 32:25	<b>hoc</b> 6:8	
giving 36:7	happening 26:25 59:11	hoist 23:8	
goal 15:18 62:5	happy 35:15 41:17	hoists 23:1,6	
goals 16:20	hard 11:23 17:2 19:6 89:11	hoistway 30:16,17 31:24 90:2,18,21	
<b>good</b> 6:15 10:7,17 11:2 13:14 43:12 44:6,13 56:13 60:1 63:7 64:15 66:19	hard-line 22:11	92:10,14	
69:21 70:15,16,24 79:8 87:9	hat's 19:8	hoistwayless 45:17 47:23 51:7,8, 17,18 52:5,17	
<b>Gould</b> 8:4 55:2,7 57:7,25 58:9,14,22	hazard 37:16 39:5	hold 6:8 25:22 59:22	
74:22 75:14 76:3,8 92:4,7,23 93:18	head 25:14	holding 13:9	
Govdelivery 41:11	heads 35:12	hole 39:13 78:24 79:10	
governor 48:14	health 44:3	holes 86:20,23	
grace 33:17 34:13 35:7 38:20	heard 30:6 85:4,5 89:7,20	homeowners 48:12	
grain 68:17 69:2,5	hearing 25:18 26:5,16 29:25 41:14,	hope 43:16 52:10 57:1	
graphic 11:11 13:5	20,22 60:14 66:14 89:1	hoping 42:2 62:18	
<b>great</b> 16:23 18:19 22:8 88:9 91:1,25 92:18,20 94:1	hearings 41:19	hot 70:17	
grievously 24:19	held 70:13	hour 78:23	
grinder 90:11	helpful 46:23	Howerton 58:2	
gripper 34:1,9 35:6 38:12 74:13	Henderson 5:7,14,20 6:4,7,17,20		
ground 71:5 80:18 88:7	7:11,20 8:2,5,11,13,21 9:5,17 10:6, 7,11,17,22 15:7,8 17:13,14 19:10	huge 38:25	
-	25:6,7 26:21,22 27:4 28:24 32:18	humongous 90:17 hydraulic 33:16 74:25 84:14	
group 20:20 61:13 66:13 77:6	33:2 40:4,5,12,13 45:1 49:2,3,25 50:1,12,16 52:11 53:15,24 54:22	-	
groups 26:13 88:22	55:13 56:10,11,20,25 57:1,23 58:5,	hydro 6:9	
<b>guess</b> 8:21 9:22 15:15 26:23 30:5 31:19 33:17,22 34:12 38:3,6,7,19	6,10,23 60:24,25 62:12,13,21 63:7, 21 64:19,25 67:8,24 68:3,4,13,14	hydros 39:8	
43:7 52:20 72:12,24 73:2 75:6,9	69:18 70:24 72:17,18 73:4,17,22 74:3,4,7 75:1,20,21 76:5,9 77:9,13	I	
76:16 81:16 85:18	79:16 81:14,15 82:25 83:1,11,18		
guests 70:13	84:7,21 86:8,10,25 87:6 88:19 91:3,	idea 43:25 46:2 53:5 60:2 69:1,8 91:23	
guidance 79:25	4 92:2,6,22,25 93:3,4,7,16,19 94:3	ideal 91:20	
guide 35:14	hesitate 9:9 49:4	identified 25:17	
guidelines 31:13	<b>hey</b> 5:14 24:2 30:9 38:9 77:3 79:23 81:9 83:9 84:11,17 85:8	image 35:11	
<b>guy</b> 77:20	high 45:13 54:8 89:12	immediately 36:8,12,17	
guys 89:21	high-speed 90:16	imminent 37:6,10	
Н	high-voltage 90:16		
••		impact 27:6 38:4 44:10,20 46:19,21	

higher 13:4 16:3 29:8

hiring 12:7

hired 72:5,8 76:21 77:22

# **impact** 27:6 38:4 44:10,20 46:19,21 47:2,5 49:6,8,11,19,22 50:6 56:7

implementation 60:13

implemented 67:18

# half 14:18 15:18 hand 9:1 23 10:12

**hand** 9:1,23 10:12,13,25 29:1 44:23, 25 45:3 77:12 79:21 93:5,21

Capitol Pacific Reporting, Inc.

scheduling@capitolpacificreporting.com 800.407.0148

# Index: GFIS..implemented

important 87:19,24 88:3

improvement 17:1,10

improvements 17:25

includes 24:9 30:17 41:3

increase 16:12 42:19 43:5

individual 24:24 28:3,9 40:3 61:17

industry 19:21 46:4 59:22 69:15

information 13:5 21:18 35:13.18

41:14,16 42:13 70:15 88:2

initial 49:5 53:12 54:21 85:10

**in-ground** 33:16,21 71:2,13,20

improve 12:9

Inaudible 8:12

Included 57:14

incorporate 64:5

incorporating 63:18

increasing 16:5,12

industry-wide 45:16

inefficiency 18:16

injection 80:18

input 88:8 92:24

inroads 16:23

**inside** 51:22

ink 67:23

indication 81:24

installation 25:13,16 48:2 51:2,3 71:19,25 72:10 75:12 **installed** 19:22 20:2 36:24 39:2 47:25 51:7,9,12 52:16,20 53:3,4 54:6,12,17,20 71:22 73:16 installing 29:11 32:14 48:12 52:1 77:17 intact 31:9 intended 42:20 **intent** 61:25 interaction 78:15 interested 44:18,21 58:20 interesting 74:25 92:16 interim 61:11 interior 34:9 64:23 65:1,3,5,25 66:2, 7,11 internal 70:13 interpretation 75:19 interpretations 79:18,19 introduce 5:11,16,21 6:2 43:22 introduced 5:18 **INTRODUCTION** 6:1 introductions 6:6 invitation 57:14 58:17 invite 58:14 involved 81:6 84:16 issue 80:5 issues 49:24 61:20 item 19:12 27:18 28:2 37:5 52:6 58:25 84:24 items 11:3 20:6 24:24 28:9 72:7 77:3 J jack 34:1,20,24 35:3,19 36:8,11,14,

install 20:16 21:7,10,14,21 22:1

29:24 30:9 31:4,22,23 32:10,11

19

34:1,8,11 39:7,12 51:4 52:25 53:18,

74:11,15 75:16 78:10,11 80:13 86:12

#### jackets 39:7

jacks 33:19,21 35:13,23 39:12,14,20 72:23 79:6

James 51:13 52:15

**Jan** 8:4 53:25 54:23 55:2 56:14 57:3, 7 58:4,22,24 74:22 75:14 76:2,3 92:4,7 93:1,18

Jan's 92:2

January 42:20,21,24 43:2 60:15,17

Jason 57:25 58:2

**Jim** 6:22 7:24,25 8:17,18 9:8 42:15 43:8.16.22 44:11.14 55:9.15.17.18 56:21 63:1 74:8

**iob** 18:9,19 20:23 22:12 23:17,25 25:2 29:15,19 30:3 31:22 32:5,12, 14,16 33:6,7 34:23 35:17,18 36:23 69:21 81:12 84:6 94:2

jobs 19:21 20:2,11 21:4,8 30:24 71:3,5 79:6

John 7:1 66:15.20 68:5

joined 59:14

joining 93:25

July 15:12 42:24 43:1,3 61:25 82:22

jump 16:15 21:17 74:8

June 41:20,22 42:1 61:24 69:12,17

jurisdictions 24:7 39:6

#### κ

**kick** 5:8

kicks 23:21

kill 83:23

kind 17:6 25:11 34:12,14 53:15 59:6 72:1,11,15 79:25 83:10 85:9,12,21, 22 86:24 89:1,9 91:13

kinds 89:4

King 92:17

knowing 38:3,19

knowledge 34:4,11 78:4 87:18

# inspectors 12:8 16:8 17:3 18:19 19:4 35:9,14 69:7 92:18 Capitol Pacific Reporting, Inc.

inspecting 16:21 29:16,21

13:18 16:7 19:9 69:2,4,9

inspection 11:15,24 14:16 15:3

inspections 11:14,19 12:2,11,13

inspector 6:19 13:19 16:20 18:12 24:2 25:10 34:23 35:17 36:6 63:25

81:9 82:3,4,13,14 83:9 85:8 88:14

16:6,25 18:8 25:3 29:17 81:11 84:6

scheduling@capitolpacificreporting.com 800.407.0148

inspect 20:13,17 21:8,14,22 29:8, 12,14 30:11,18 31:13 32:1,15 inspected 14:13,14 16:15,22 18:10 19:22 20:23 30:1 32:12

19,22,24 37:1,3,22 39:8,10,23

L
<b>L&amp;i</b> 25:10 41:23 43:21 64:12 67:12, 13 69:6 85:7
<b>L&amp;i's</b> 69:4
labeled 22:2
<b>ladder</b> 28:1 47:8 50:25 51:2 53:1,6, 8,18 54:18,21
ladders 27:21,24 45:13,15 47:6 52:19,22,24 54:15,16
laid 35:4
landing 51:20 52:2
language 28:17 41:8 42:23 63:19 64:6,11,13
large 20:5 27:18 49:19,21 53:12
largest 47:4,9 49:14
late 43:18 53:25 57:10
latitude 22:9
<b>Lau</b> 16:24
law 46:22 77:23
layout 33:5
lead 17:6
leaky 80:19
learning 60:6
<b>leave</b> 46:8 75:9
leaves 92:14
leaving 43:3
legislative 40:14,18 64:17
legs 90:12
lend 17:6
Leopard 6:24 45:2,5 77:14
Lerch 7:4
letter 89:18
letting 39:4,23 83:10
level 33:15 48:15,18
liability 24:20
license 61:17 70:19

licensed 6:12,23 80:3 81:5 86:13 licenses 61:16 licensing 61:3,8 62:23 licensure 7:9 life 35:8 39:7 53:6 lift 51:24 90:4 lifting 89:24 lifts 7:10 21:20 45:20 46:6 48:3,16 light 17:20 48:5,6,8 lights 77:19 80:17 likewise 22:4 limited 35:10 44:7 lines 18:2 34:4 76:17 85:6 list 16:21 19:13 47:19 58:13 61:3 63:3 65:17 listed 21:3 listen 59:18 listening 59:13,15,17 listings 33:20 literally 39:8 live 60:18 lively 88:8 local 31:11 81:9 82:3 localities 89:2 location 18:20 82:4 91:16 lock 75:25 lockout/tagout 72:4 80:2 log 74:18 long 13:16 20:5 39:2 43:16 83:8 85:3 longer 22:5 31:25 43:17 62:4 65:11 73:15 looked 47:13 lose 37:8 loss 37:7 lost 39:8,10 lot 11:20 13:8 24:16 46:15 58:16

73:11 84:23 85:21 89:1

**low** 48:16

lower 10:12 65:14

**Lyall** 7:8 13:25 61:4,10 62:13,24 67:8,9,24 68:18,22 69:19,20

### Μ

machine 39:12 48:10 made 8:19 44:8 57:1 72:3,6 76:23 maintained 65:8 maintaining 36:15 maintenance 6:10 74:24 75:3,11, 13 major 24:6,9,12 65:24 66:9 84:9 majority 13:7,21 84:8 make 7:25 13:12 19:25 22:10 25:11, 14,20 26:16,23 27:19 33:14 40:8 42:25 45:23 46:15 47:11 49:4,11 54:1 55:10 59:21 74:14 76:7 78:17 79:1,2 82:12 88:18 93:8 makes 83:22 88:4 making 16:23 41:5 64:9 80:1 man 56:21 68:18 manage 49:21 manager 7:3 16:24 40:23 43:18,20 59:23 88:1 managers 7:5 manufacturer 20:15 manufacturer's 31:13 mark 11:17 material 23:1,6 48:3 49:23 matter 49:22 71:24 83:13 means 15:15 18:1 45:17 47:17,23 51:1,3,16 53:19 54:5 89:3 mechanic 6:12 71:25 72:7,9 76:22 77:25 78:5 80:3 81:1,6 mechanics 6:23 70:19 86:14 media 13:13

meet 47:1 48:15 73:1

a c

meeting 5:8 7:15,17,21,22 8:1 9:21 11:17 12:1 16:20 42:6,18 43:15 57:9,14,16 58:8 61:13,23 62:16,19 63:15,20 65:24 66:10 68:10 69:11, 17 71:11 85:24 87:7 88:13 93:13 meetings 61:24,25 67:7 86:4 Melissa 7:24 8:7,15 9:10 10:7,19 41:11 55:8 56:17 59:7 66:4 69:24 71:1 87:6 93:22 member 43:23 members 6:6,21 9:3 55:4 63:17 memo 56:8 memorialize 85:21 mention 55:16.20 mentioned 22:25 42:5 48:19 51:17 72:20 83:19 84:22 message 70:22 messaged 55:9 met 65:3 method 58:12 methods 35:4 mice 69:5 mid-june 57:14 middle 86:21 million 46:13.14 mind 27:16 50:21 minimum 14:24 18:3 22:15,17,18 24:11,18 minor 20:7 46:21 minute 90:4,13,14,18 minutes 7:18,22 8:1,6,25 40:7 43:19 85:24 86:3 missed 33:10 57:19 mixing 30:4 32:17 Mm-hm 60:23 mod 18:8 modernization 18:9 39:15 45:22 46:3,13 47:11 mom-and-pop 50:9

Capitol Pacific Reporting, Inc.

money 28:4 39:2,22 46:5 monitor 31:4 monitoring 38:18 75:25 month 18:14 59:16 61:13 months 60:18.20 moratorium 28:15 morning 6:15 40:21,24 43:12 44:13 66:20 motion 8:1,12,19 93:13,14,20 motor 51:21,24 move 15:22 40:11 61:1 66:14 80:8 85:25 89:16 90:16.22 moving 6:5 9:10 11:2 62:25 64:25 67:20 86:16 88:17 **MRL** 39:19 mud 52:10 53:16 multiple 38:5,15 muted 60:9 63:23 Ν **NAEC's** 70:9 national 44:8 nature 79:24 Nebraska 39:6 necessarily 17:21 47:16,18 74:16 needed 41:6 59:3 66:10 needlessly 37:14 New/continued 70:1 newsletter 59:10 nominate 9:25 10:2 **nominated** 9:18,19 nomination 9:15,22 10:23 nominations 9:11.18 nonflammable 52:25 Norris 6:22 7:25 8:9,12,19 63:1

**Monday** 84:19

Index: meeting..opportunities

notations 36:25

note 19:19

noted 36:14 93:5

**notice** 27:8 41:11,13 59:16 80:10, 15,20 81:18

notification 85:12

notified 81:19

notify 81:4,7 84:20

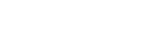
November 57:10 68:25

**number** 13:6 17:20 18:21 37:21 39:23 49:12,21 51:6 52:8 54:8,12 78:13

numbers 12:8 15:3 16:2,5,13,16 17:20 18:25 21:12

#### 0

**obvious** 36:16 October 34:17,18 36:1 offering 88:8 office 22:19 41:23 official 9:20 22:23 41:10 58:12 offset 79:7 oil 36:2,13 37:7 38:19 ointment 30:19 older 37:15 53:2,11 54:16 on-site 77:25 one-horse 89:25 one-time 47:7 51:4 ongoing 62:5 online 14:15,19 26:9 42:9 onus 80:19 **oops** 48:6 open 71:12 opening 87:10 operating 36:18 37:8 46:1,16 80:9 operations 16:24 opportunities 19:20



64:4.10

opportunity 43:13 87:12	payroll 46:25 49:9,14,19
option 20:4 22:24 23:14 34:16 38:2	<b>PC</b> 77:3
40:25 42:16	pending 12:21 13:1,2
options 35:6 69:12	people 13:8 16:10,14 20:9 27:11,15
order 8:9 9:8	29:20 35:15 39:7 56:19 70:13 82:9 87:17 90:24
original 58:14	percent 11:17 12:3,4,5 14:5,6,7,9,
Otis 88:24	13,16,23 15:4,13,15,16,23,24 18:3
outlet 89:17	42:19 46:25 49:9,14,16 65:14,18
outlets 13:13 89:4	percentage 11:22 14:12 15:21 17:17 49:7,12
over-engineering 90:5	percentages 65:7,11,13,20
overcomplicating 90:9	Perfect 68:14 81:13
overkilling 90:9	performance 11:23
overseas 13:12	performed 65:6 78:11 80:3
<b>overview</b> 42:6 43:10	performing 91:25
owner 24:22 36:20 38:1,4,8,13 39:18 59:23 72:6 76:21 77:22	period 20:1 22:10 33:18 34:13 35:7
owners 7:2,5,9 22:22 27:7 37:4	38:23 41:10
58:20	Periodically 78:22 permissible 73:15
owners' 33:18	•
Р	permission 35:16 84:4
<b>p.m.</b> 42:1	<b>permit</b> 22:14,15,18 25:17,21,23 26:2 29:5,10,19 32:7,14 33:4 37:8 78:10 80:13 85:10,15
packing 35:11,12	permits 20:3,10,12 25:12 86:23
paid 78:25 87:22	person 41:22 70:7,20 83:2
<b>paper</b> 36:2	personnel 23:7
paperwork 12:12	pertinent 76:11
parameters 17:5 20:25	phone 30:21,24,25 31:3,11,14
<b>part</b> 8:24 12:17 13:22 18:16 28:13, 19 33:12 36:2 69:15 78:13	phones 20:24
participate 66:1,3	<b>pick</b> 14:3
participating 26:13	pilot 69:9
partly 69:3	<b>pink</b> 17:17
parts 46:4	<b>piping</b> 92:17
past 17:24 18:5 39:5	<b>pit</b> 77:18 79:24 80:1,6,16,19 84:12, 15,18 85:6 89:3,17 91:17,18
patient 44:3	pits 84:13
pausing 74:2	place 14:21 29:13 36:12 39:24,25
nevine 10.0	79:10 80:13 87:20,25
paying 13:8	73.10 00.13 07.20,25

placement 79:6 places 81:1 placing 57:18 81:6 plagiarism 28:20 plan 27:7 39:24,25 planner 26:9 planning 46:20 62:16 plans 20:14 62:10 plates 45:19 48:3 79:8 platform 21:20 46:6 play 75:22 plug 48:20,21 plug-ins 46:8 48:20 plugs 89:4 plumb 79:2 plumber 77:18 80:17,23 plumbing 92:17 plunger 35:6 38:12 74:13 plural 38:18 point 8:9 22:5,7 24:10,21 29:6 30:6 31:19 33:7 59:21 72:19 73:3 74:1 76:19,22,23 85:5 pointed 15:4 points 9:8 24:2 59:3 80:12 **policy** 40:22 popping 79:17 port 68:17 69:14 Port/grain 68:20 portion 13:23 30:23 77:21 portions 29:7,25 position 6:8,9 10:14 62:8 positions 10:19 16:9 possibly 61:24 69:1,8,9 posted 82:3 potentially 38:14 68:10 73:2 75:12 power 51:20,23 89:2 92:13



powers 92:16

**PPE** 69:6

practice 46:9

preliminary 42:7,8,11 45:11

present 43:13

presentation 55:10,19 62:19

presented 57:16

pretty 20:8 27:6,11 37:2 68:5,6 90:13 92:16

prevention 84:14

previous 7:22 15:17 17:11 28:12 71:16 74:18

previously 21:1 72:1

primarily 46:12

prior 19:16 71:11

private 46:6

problem 24:22 37:20

problems 61:20

procedures 13:10 67:11 80:2

Proceed 84:3

proceedings 5:3 94:5

**process** 12:7 16:22 17:9 20:5 23:6, 14,20 25:3 34:9 42:25 43:4 44:18 61:14 67:18,22 77:25 81:23

processes 16:6,25 34:11 84:25

product 66:15,17,22,23 67:1,5 68:15,16

program 24:14 43:17,21 45:25 57:8 69:10 88:1

program's 42:10

programs 61:21

progress 60:5 63:16

project 59:1,4,8,19 60:4,7 61:1

projected 21:11

proof 16:17

properly 25:3 78:18

property 7:2 59:23

proposal 37:12

propose 85:19

**proposed** 27:19 41:7 64:9,11,13,17 67:13

proposing 41:2,9 64:2

proposition 28:22 31:4 35:21

protections 69:6

provide 38:20

provided 33:18 35:18 56:2 80:10,22

provider 36:21

providing 80:1,24 91:16

provisions 64:7

**public** 36:3 38:24 39:5,22 40:23 41:10,14,19,20,22 44:2 83:14

pudding 16:17

**pull** 20:10,12 22:13,15,18 24:3 25:21,22 26:2 29:24 78:10

pulled 20:3 29:5 85:10

pulling 31:22 32:14

**pump** 20:21 30:7,9,13,15,16,18 31:21 32:5,9,11 80:18 89:24,25 90:1,10,20 91:18 92:11,12

**pumps** 31:23 89:3,12,15 90:4,11,12, 16 91:16 92:15

purposing 24:17

pushback 89:1

pushing 89:11 90:15

**put** 11:10 20:20 26:8 32:5 39:19 41:16 50:4 53:8,10 54:9,21 58:11 62:19 67:22 68:8 69:11 70:5,16 79:10,13,17 80:19 85:20 89:5 91:6, 10

putting 28:17 30:3 53:13 56:19 85:3 86:10,22

# Q

QEI 69:24 70:2,5,18 quantified 45:10 quarter 12:18,19 60:20 63:15 quarters 12:22 **question** 8:17,18 10:25 13:25 15:9, 11 25:8 26:12,15 30:14 32:23 33:10, 24 44:17 50:19 51:16 54:2,23 58:7 60:10,13 64:1,18 67:25 80:8 82:19 87:7 92:3 93:9

#### questioned 90:23

**questions** 13:22 17:12 19:11 29:3 32:25 34:24 42:15 47:12 49:1 50:4, 13 59:21,25 60:25 62:23 64:20 66:12 68:15,16 69:20,23 70:1,21 71:1 86:9 87:1,14 93:12

**quick** 34:7 44:5 50:19 51:15 54:24, 25 55:16,22 58:7 59:20 74:5

#### quorum 9:6

quote/unquote 76:23

### R

raise 9:1,23 10:13 93:21 raised 45:2 range 70:14 rate 11:15,24 14:5 15:21 ratio 12:25 14:17 RCW 64:3,6,9 84:25 reach 91:9 reached 23:2 read 53:1 ready 68:8 93:24 real 17:1 51:15 54:23 55:16 74:5 reason 16:5 34:10 82:8 reasonable 38:23 receipt 83:25 receive 41:15 63:16 received 41:13 81:25 82:17 recently 91:12 recess 56:23 recognize 23:12 recommendation 66:23,25 67:1 91:7 recommendations 67:20



**record** 83:14,15 recorded 5:10 10:12 recorder 5:11 87:9 recording 92:5 records 35:2 red 18:22 36:16 37:7 red-tagged 39:9 red-tagging 36:7 81:2 refer 37:21 reference 8:17 24:5,14,24,25 25:1 55:5 referenced 75:13 79:20 referring 73:16 reflected 15:3.25 reflective 21:16 **Region** 25:10 registering 26:1 regular 23:13 51:18 regulates 52:23 reiterate 22:13 related 60:25 62:23 71:13 92:15 remember 24:14 54:7 60:14 **REMEMBERED** 5:1 reminder 5:15 **remote** 69:2 removal 85:9 92:15 remove 39:11 73:14 removed 72:3 93:6 rental 63:1.10.14 64:20.21 rented 39:1 reopen 23:11 repair 6:10 77:19 repealed 56:6 repeated 54:13 replace 24:3 33:25 38:11 78:10 replaced 39:24 71:22

replacement 6:11 35:6 37:25 38:18 45:13 46:3 71:18,20,21 72:25 75:16 82:24 85:12 replacing 39:14,19 47:5,8 48:5 78:11 **report** 11:4,6,8 12:15 19:12 reported 13:6 **reporter** 5:12,13 reporting 17:7 81:17 represent 14:15 representation 66:10 represented 66:7 **representing** 6:22 7:2,5,7,9 88:6 represents 14:9,17 request 21:9 58:11 requested 33:5 requesting 82:2 requests 67:4 **require** 44:5 48:9 75:24 78:9 89:16 required 20:19 30:16 44:20 69:6 72:7,10 76:20 89:9,15 requirement 30:15 52:3,19 65:14 72:20,22 73:14 74:5,9,10,19 79:19 81:19 90:21 requirements 24:10 30:7 31:23 32:2 57:11 61:15 62:1 65:15,17 69:3 71:17,24 75:25 requires 27:23 30:10,20 71:19 77:24 78:5 requiring 52:6 72:25 research 43:20,21 reset 18:13 residence 46:6 residential 7:10 52:4 resource 35:10 respect 20:8 35:8 respond 82:16 responded 82:21 response 83:3,6,8

responsibilities 19:20 rest 6:21 8:24 restricters 75:24,25 result 36:16 results 12:20 retroactive 72:25 retroactively 30:10 return 83:25 review 12:15 57:15 68:9 69:16 reviews 23:21 revisit 18:15 rewriting 23:7 Rick 17:14 25:7 28:25 32:20 40:5,13 49:3,25 56:11,25 58:5,23 60:25 62:13,22 68:4,14 69:19 72:17 74:4,7 75:20 81:14 82:25 86:10 88:19 91:3 93:3 **Ricky** 5:19 6:7 9:25 10:7 15:7 26:21 27:4 37:18 40:22 55:15 60:8,9 71:9 73:3,13 74:1 76:15 79:13 91:11 94:1 **Ricky's** 51:16 rid 27:20 riding 39:5 **robust** 71:10 **roof** 27:21 45:13 47:6 50:25 51:2 52:19,22 53:18 54:15,16 roofs 52:24 room 34:21 48:10 roomless 39:12 ropes 48:14,17 roster 12:8 route 16:14 routes 16:13 19:5 **RPR** 5:3 rule 27:19,23 28:7 29:13 42:10 44:8 46:10 47:14,16,17,20,22 48:15,24 49:15,20 55:21 56:1 64:2 73:6,8,19

74:17,20 75:19 82:11

ruled 74:21

rulemaking 20:6,7 40:15,19,25 41:2,6,14 42:8,16,19,25 43:24 44:4	<b>Seattle</b> 55:3 57:5,8,12 58:3 74:23 92:8,10,12
56:5 57:5	seconded 8:20
<b>rules</b> 8:14,16,17,24 28:13,17,19 34:20 41:7 42:2,3 44:2 48:4 56:5	section 74:24 75:3,11,13 76:1 92:12
57:15 74:11	sections 56:2,3,6
run 39:23	secured 78:18
running 7:15 9:7 23:24 37:10 51:24	selling 21:13
53:25 55:1	<b>send</b> 7:13 27:14 41:17 42:1 50:13 55:9 59:16 66:4 67:12
S	sending 59:10
saddled 12:12	senior 40:22
safe 72:4,6 76:23 80:22	sense 83:22
safeties 35:6 74:13	separate 91:16
safety 5:9 34:2,9 35:8 36:3 38:24	September 21:6 33:12 42:4
39:4,22 40:23 41:3 44:2,3 74:11	Sergey 25:8,9
sailed 38:21 sales 21:11	<b>service</b> 30:7 43:21 81:1,2,7,8,10 82:8
salesman 39:17	services 40:23
sat 39:9	serving 88:7
save 46:5	session 59:15
saved 58:15	sessions 59:13,17
savings 45:21 51:25	setup 90:13
<b>SBEIS</b> 44:19	sewage 90:11
scenario 86:19	shaft 53:10
schedule 44:16 69:22	share 11:12 35:15 44:14
scheduled 14:4,8,25 15:14 41:19	shared 11:12
61:24,25	<b>sheet</b> 92:18
scheduling 57:13	<b>ship</b> 38:21
science 83:23	shock 27:11
<b>scope</b> 53:7 64:10,13	<b>short</b> 71:11 90:12
scorecard 12:15 19:11	<b>show</b> 16:1,2 35:2 83:15
Scott 7:12 42:5 61:4,5	showing 13:5 18:4 93:12
Scott's 61:12	<b>shows</b> 11:14,16 12:19 17:19
screen 44:14 55:23	<b>shut</b> 37:14 84:6
seal 84:12	side 78:22
sealing 84:13,18 85:6	sign 37:6 70:10
seat 70:17	Signage 48:2

significance 48:24 significant 20:8 46:5 47:15,17,20, 21 signs 36:16 similar 82:12 simple 90:10 simplicity 64:4 single 33:16,19,21,25 34:20,24 35:2,12,19,23 36:8,19 37:1,22 38:9 39:23 56:1 71:17 72:22,25 73:15 74:10,15 sir 8:11 62:22 66:19 68:14 sit 62:9 site 13:17 23:17 35:18 sitting 12:2 14:24 situation 40:3 situations 89:10 92:1 size 89:4 skewed 17:6 skewing 14:21 skip 44:21 slide 50:19 slides 49:5 55:5 slightly 46:14 **slowly** 5:22 small 44:19 46:19,20 47:1 48:3 49:6, 7,11,18,21 50:6,8 51:6 56:7 solidifying 89:9 sooner 22:11 sort 17:15 69:8 79:17 84:24 85:20 86:10 Sound 7:1 Sounds 93:23 space 91:19 speak 5:21,22 63:6 **SPEAKER** 9:4 10:1,4 51:13 55:24 73:21,23 speaking 5:16,19

#### Elevator Safety Advisory Committee Meeting Transcript of Proceedings - May 16, 2023

speaks 5:15 special 85:12 specific 81:21 85:13 specifically 33:22 49:13 51:18 52:5 64:2 71:24 73:14 89:13 status 36:21 61:7 69:16 speed 48:16 68:24 spend 39:22 62:5 stayed 31:9 spent 61:15 steadily 12:9 spider 79:2 steady 51:6 Spokane 6:25 45:5 77:15 steel 27:24 71:13,20,25 spreadsheet 92:20 stem 32:16 sprinkler 77:20 squiggly 19:1 stepped 63:5 staff 16:12 84:6 stepping 61:5 staffed 16:9 88:17 stern 32:16 stair 21:20 stick 25:23 stakeholder 68:25 stoked 70:5 stakeholders 21:9,19 22:9,21 23:2 stop 39:8 27:7,8 57:9,13 58:7 63:18 87:2,4,10, straight 79:3 17 93:10 strap 24:3 stand 77:16 78:8 strike 31:6 standard 14:24 15:17 17:7 20:13, 18,23 21:8,15,22,25 22:15,17,18,25 stronger 48:6 23:2,8,12 24:11 28:14,21,23 29:14, struck 34:19 35:25 36:1 17,21 30:18 31:5,7,10 32:11,13,15, 17 34:22 44:9 46:9 study 50:6 standardized 16:7 standards 21:3 24:18 30:1 **style** 53:11 54:16,19 standby 71:25 72:7,9 78:21 standing 76:22 start 5:16 42:25 43:4 89:19 started 5:19 24:14 subject 31:8 starting 16:10 71:16 92:9 starts 41:10,24 state 6:13,19 13:13 16:1 18:2 28:10 **submits** 25:25 33:20 37:15 50:6 66:25 74:21 81:18 submittal 26:8 86:12,15 88:5 submittals 19:14,16 20:14 State's 37:20 submitted 25:19 66:23 67:2 stated 58:12 75:10

submitting 25:23 statement 6:5 44:20 46:20,21 47:2 49:6,11,19 50:24 56:7 82:12 subsequent 45:14 50:23 52:13,18 statements 13:17,19 49:22 53:14,21 57:9 statewide 11:14 14:12 17:17 substantial 89:17 suffice 82:9 stay 43:16,17 80:24 87:8,9 sufficient 36:2 82:1,10 85:16,25 summarily 88:3 summary 55:21 56:3 sump 30:15,16 32:5 80:18 89:3,23 90:10,20 91:18 92:11,12 super 70:5 supercenters 50:8 step 7:20 61:11 63:2,4 87:24 supervisor 82:5,14,15 85:7 supervisors 17:2 suppliers 67:17 supplying 89:2 suppose 53:5 54:5 stuff 18:14 21:10,13 31:5 38:5 46:18 64:17 78:6 79:13 84:15 86:5 89:7 subcommittee 61:2,7 62:5,11 63:1, 13 64:11,14 65:1,5 66:1,4,8,13,22 67:2,5,6 68:6,9,11 69:10,16 subcommittees 87:19,24 88:2 submit 20:10,14 21:4 29:9

supposed 18:3 81:4,17 surveys 23:17 25:2 suspect 36:18 suspected 36:8 suspects 35:19 switch 47:25 51:19,22,23 52:1,7 switches 45:19 54:10 **system** 12:10 23:20,24 25:4,19 26:1,9 27:1 53:2 systems 54:20 Т tabled 25:2 **TAC** 52:6

tag 36:16 37:7 tags 18:22 takes 13:20 67:16 87:20,22,25 90:21 taking 14:21 20:5 21:17 84:17 talented 19:9

talk 34:4 42:14 53:16 77:7 79:15	ticket 27:18	Tumwater 70:8
talked 23:18 37:23 42:17 71:16	tie 88:13	turn 42:15 43:7 44:11 51:20 63:8
85:21 87:11,12 90:24	tied 26:25	turnaround 13:16 44:5
talking 30:14 38:7 40:25 45:11 46:7 50:5 61:16 65:13 73:13 89:19	tighter 44:5	tuxedo 39:1
talks 12:21 52:4	time 11:16 12:1,12 13:16 14:12,15	two-year 23:20
tan 17:20 18:2	15:1 17:17,19,21 20:1,10 21:22 22:14 23:11,13 24:8,12 25:18 28:13, 14 29:12 32:13 34:19 36:6 38:8,18,	<b>type</b> 38:16 44:4 53:2,4,10 61:18 81:20 82:7 83:25 84:14
target 37:13	23 40:2 45:8 56:13,17 57:19 59:19,	types 48:17
task 85:13	25 61:16 62:6 65:3,9 67:4 68:8 81:19 84:8 87:18,22 88:17,21	typically 65:14 90:12
tasked 68:7	timeline 14:19 40:7 42:13 44:5	typographical 42:22
team 19:9 43:23 59:19	60:19 67:16	
technologies 48:16	timelines 15:2	UU
technology 48:18	timer 56:19	ultimately 64:12
telltale 36:16	times 26:15	unaccounted 37:7
ten 10:9 13:3 48:5	<b>TK</b> 6:7	underneath 90:2
ten-minute 54:25 56:13	today 5:10 7:12,15 12:4 22:18 34:25	understaffed 15:20
terminology 9:6	35:8 55:19 59:9 65:20	understand 14:6 15:15 27:2 29:20
terms 25:24	told 43:17 46:16 82:20	30:20 31:3,15 45:22,25 46:9 48:21
territory 50:3	topic 32:24 85:18 86:7 91:10 92:18	49:24 52:12 81:17
test 62:9	topics 70:14 87:15	understanding 14:2 50:2 72:2 75:2
testing 20:25 21:1 61:15 62:1,6	total 12:22,25 13:1 14:9	understood 17:9 35:10 86:25
65:10 75:13	touch 83:14	UNIDENTIFIED 9:4 10:1,4 51:13 55:24 73:21,23
testings 65:10	touched 80:5	unit 16:21 52:9 64:20
Texacone 35:11	track 23:19	units 13:6 18:5 52:8 63:1,10,14
thing 18:23 19:2 32:2 38:16 44:6 52:2 55:16 83:7,10,15 84:5 86:24	traction 39:13	64:21
87:22	tractions 39:19	unwritten 72:2
things 10:5 20:3 21:2,20 25:13 26:9	trades 79:24 80:7	Upcoming 70:2
36:15 50:17 59:20 61:22 65:24 69:6 78:13 79:8 80:5	trainings 70:12	update 40:15,19,24 59:1,4,8,20 60:7
thinking 73:20	Transit 7:2	61:1 65:1
Thompson 7:6 15:10 63:6,12,13	transition 19:25 22:10	updated 33:11 35:4 42:12 60:13
thought 49:9 81:16 89:6	trigger 74:16 75:8 76:18	updates 40:15,18 41:5 61:2,7 66:21
thoughts 77:7	triggered 76:10	updating 48:14
three-car 20:20	triggers 65:15 75:6	V
three-quarter 89:24	trip 81:11	•
three-year/five-year 27:2	trouble 14:2 73:6	vacant 16:13
threshold 46:22,23 47:1	Tuesday 5:1	vacation 82:15
	Tukwila 41:23	valuable 90:24



scheduling@capitolpacificreporting.com 800.407.0148

		Index: variati
variations 25:15	wired 46:9	
variety 46:4	wit 5:3	
vendors 67:17	withdraw 73:18	
version 23:4	Wohlschlager 7:8 13:24,25 15:5	
versus 45:10	61:10,11 62:18 67:9,10 68:1,22,23	
vetting 66:15,17,22,24 67:1,5,11,21 68:15,16	<b>Wood</b> 6:15,16 9:19 10:14 60:11,12, 22 93:14	
vice 6:8 9:12,15,19,22 10:14,19,24	wooden 27:20,24 47:6	
video 30:21 31:3,10 69:1,9	<b>work</b> 6:7 17:2,3,9 19:6 26:14 37:4, 11 38:22 43:14 46:17 56:15 57:20	
view 17:6 26:9 59:21	62:3 68:7 69:13 71:6 77:17,20,21	
virtual 41:20	78:7,10,12,14 79:23 80:6,21 82:7 83:2 84:4,14,20,23 86:13,14,20	
voltage 51:23 89:12	87:19,24,25 88:15 91:10,19	
volume 90:17	worked 17:8 23:5 78:21	
volumes 89:16	working 11:23 12:5 16:22,25 18:18	
vote 7:17 8:20,25 9:11,15,20 10:23 68:8 93:21	63:18 67:19 80:10 worries 68:4	
voted 62:7,16 67:12	write 24:24	
voting 62:2	write-up 37:3	
	writing 34:25 35:19 36:6,9,10,19 81:20 82:9	
<b>WAC</b> 23:11 27:19,23 28:3,13,17,19	written 32:8 41:25 42:2 50:15 80:10, 15 83:24	
34:19 48:3 64:2,5,9 74:17,20 82:11 83:20	wrong 74:9 77:24 79:10 85:5	
wait 22:20,23	X	
waiting 13:17 35:22	<b>A</b>	
walk 36:23	<b>XYZ</b> 81:9 84:18	
wanted 26:23 40:8 42:6 55:20 71:12 85:19 87:16 88:10,14	Υ	
warehouse 50:7	<b>Y'ALL</b> 94:1	
Washington 6:13,19 13:13 50:7 74:21 88:5	year 12:18,19 14:13,14,23 16:3,4	
waste 81:11 84:5	18:15 19:13,16,23,24,25 28:7 45:13, 14 46:5,12 48:1 50:22 51:7,8,11	
water 89:16 90:4,17 92:15	54:7,11,17 60:20	
website 70:9 82:4 92:21	years 17:11 30:22 38:17 39:4,9 40:2	
weeks 16:11 61:23	50:23 52:13,18	
	<b>yeses</b> 10:9,15	
weight 65:19	yesterday 41:12	