

MAINE PUBLIC UTILITIES COMMISSION
AUGUSTA, MAINE

IN RE:)
) Docket No. 2022-152
CENTRAL MAINE POWER COMPANY) November 10, 2022
)

Request for Approval of a Rate Change - 307

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SEAN SULLIVAN, Central Maine Power Company
WILLIAM RANSOM, Central Maine Power Company
EBEN PERKINS, Competitive Energy Services
PHELPS TURNER, Conservation Law Foundation
IAN BURNES, Efficiency Maine Trust
NAT HASLETT, Efficiency Maine Trust
MELISSA HORNE, Walmart, Inc.

1 CONFERENCE COMMENCED (November 10, 2022, 9:01 a.m.)

2 MR. BRYANT: Okay, this is the resumption of a
3 technical conference in docket number 2022-00152, Central Maine
4 Power Company request for approval of a rate change. Start by
5 taking appearances first for Central Maine Power Company.

6 MR. DES ROSIERS: Jared des Rosiers from Pierce
7 Atwood on behalf of Central Maine Power.

8 MR. DESROSIERS: Adam Desrosiers, CMP.

9 MR. COTA: Nathan Cota, CMP.

10 MR. COHEN: Peter Cohen, CMP.

11 MS. ANCEL: Charlotte Ancel, CMP.

12 MR. PURINGTON: Joe Purington, CMP.

13 MR. THERRIAULT: Kevin Therriault, CMP.

14 MS. THERRIAULT: Kerri Theriault, CMP.

15 MR. SADLER: Matt Sadler, CMP.

16 MS. BONDA-RIVA: Christina Bonda-Riva, CMP.

17 MR. BROWN: Art Brown, CMP.

18 MR. BRYANT: And as other folks come forward as maybe
19 needed, we will make sure they enter their appearance. So for
20 the Office of the Public Advocate, please.

21 MR. LANDRY: Andrew Landry for the Office of the
22 Public Advocate.

23 MS. CHAMBERLIN: Susan Chamberlin, Office of the
24 Public Advocate.

25 MR. BRYANT: And do you have or expect any experts to

1 be joining remotely?

2 MR. LANDRY: I'm fairly sure that Lafayette Morgan
3 will be joining.

4 MR. BRYANT: Okay, I see he --

5 MR. MORGAN: This is Lafayette Morgan on behalf of
6 the Public Advocate.

7 MR. BRYANT: Good morning, Lafayette. Thank you.
8 For Efficiency Maine Trust.

9 MR. BURNES: Ian Burnes with Efficiency Maine Trust.

10 MR. HASLETT: And Nat Haslett, Efficiency Maine
11 Trust.

12 MR. BRYANT: For Conservation Law Foundation?

13 MR. TURNER: Phelps Turner, Conservation Law
14 Foundation.

15 MR. BRYANT: I don't see anyone from Competitive
16 Energy Services.

17 MR. PERKINS: Eric, this is Eben Perkins on the phone
18 line. I'm about -- I'm coming up in person and about 15
19 minutes out but will be on the phone here for the next couple
20 of minutes.

21 MR. BRYANT: Okay, thank you. Make sure you're on
22 mute.

23 MR. PERKINS: Yeah.

24 MR. BRYANT: Okay. Are there any other parties
25 present, remotely, and, if so, please identify yourself for the

1 record?

2 MS. CHATTERJEE: Good morning. This is Sarah
3 Chatterjee with Electric Power Engineers. I also have Danielle
4 Murray and Marty Behrens with me.

5 MR. BRYANT: Okay. Thank you, Sarah. Those three
6 individuals work for a consultant hired by the Commission. And
7 for the staff, I'm Eric Bryant, one of the Hearing Examiners.

8 MR. BARTLETT: Phil Bartlett, chair of the
9 Commission.

10 MR. SCULLY: Pat Scully, Commissioner.

11 MS. HEALY: Nora Healy, Hearing Examiner.

12 MS. TAYLOR: Daya Taylor, Hearing Examiner.

13 MS. HEIMGARTNER: Greta Heimgartner, analyst.

14 MR. MARCO: Jason Marco, analyst.

15 MR. SIMMONS: Michael Simmons, analyst.

16 MR. JOHNSON: Michael Johnson, analyst.

17 MR. BRYANT: And --

18 MR. ROLNICK: Matthew.

19 MR. BRYANT: Go ahead, Matthew.

20 MR. ROLNICK: Matthew Rolnick, analyst.

21 MS. PALLOZZI: Julie Pallozzi, analyst.

22 MR. GRUMSTRUP: Ethan Grumstrup, analyst.

23 MR. BRYANT: I also know that Faith Huntington is
24 listening in by phone and may have questions. Okay. So is
25 there anyone who needs to make an appearance who hasn't yet who

1 might been overlooked? Okay. So the order of questioning
2 today will begin with questions of CMP about the -- two of the
3 five capital adjustment mechanism items, the CCI poles and the
4 broadband poles. Staff will begin questioning. And so I'd
5 like to turn to Michael Johnson who has a number of questions.
6 Thank you.

7 MR. JOHNSON: Hi, there. This is Michael Johnson.
8 Can everybody hear me? The 2021 updated definition of
9 broadband by ConnectME in its rule appears impactful to joint
10 pole owners. Please share how CMP may have participated in any
11 of ConnectME's proceedings to relay the potential financial
12 impact to the company, particularly around pole replacements,
13 vis-à-vis the municipal exemption when ConnectME deliberated
14 moving from the 25 megabits down/three megabits up standard to
15 the hundred megabits up -- down and hundred megabits up
16 standard.

17 MR. COTA: Nathan Cota. We did not actively
18 participate in any of those proceedings. I talked with Pat in
19 the past but nothing specific to those.

20 MR. JOHNSON: Okay, thanks.

21 MR. BRYANT: When you say you talked with Pat, Pat
22 who?

23 MR. COTA: Schaffer. Peggy Schaffer, sorry.

24 MR. BRYANT: Okay. And Peggy Schaffer was -- is or
25 was connected with ConnectME Authority?

1 MR. COTA: ConnectME, ConnectME Authority, yes.

2 MR. BRYANT: Thank you.

3 MR. JOHNSON: In Section 8 of ConnectME's rule, I
4 think it's referred to as Chapter 101, there is a waiver
5 provision that states, "Upon the request of any person subject
6 to the provisions of this chapter or upon its own motion, the
7 ConnectME Authority may, for good cause, waive any of the
8 requirements of the of the rule." Is CMP familiar with this
9 section of the rule and researched the possibility of
10 exercising this provision on a case-by-case basis for the
11 municipal exemption?

12 MR. COTA: I'm not familiar with it. I don't know if
13 anyone else is. We've not explored that possibility. This is
14 Nathan.

15 MR. JOHNSON: In response to OPA 3-10, Examiners 9-
16 105, and on page 56 of the capital investment panel, the
17 company anticipates approximately 2,500 poles or three and a
18 half percent of the road miles identified in the connecting
19 broadband plan that are inside CMP's territory that could be
20 required to be replaced due to the broadband initiative. Has
21 CMP engaged in communications with one or more municipalities
22 about their plans for municipal broadband that would
23 precipitate pole replacements? , please explain also explain if
24 any municipalities seeking to offer broadband have already
25 received pole attachment licenses from the Commission. Yeah.

1 Thanks.

2 MR. DES ROSIERS: I object to form and ask that that
3 be broken up into separate questions.

4 MR. BRYANT: Yeah, let's start with the first
5 question so -- yeah, so can you start over, Michael?

6 MR. JOHNSON: Sure.

7 MR. BRYANT: You don't need to recite the data
8 responses --

9 MR. JOHNSON: Okay, yeah. Has CMP engaged in
10 communications with one or more municipalities about their
11 plans for municipal broadband that would participate --
12 precipitate pole replacements?

13 MR. COTA: This is Nathan. Let me just clarify.
14 Would this be under the Maine connectivity authority funding or
15 are you just asking a general question?

16 MR. JOHNSON: I'm asking in regards to any municipal
17 broadband, you know, utility district or town that is looking
18 at basically entering into the broadband, competitive
19 broadband, marketplace and may need pole replacements as part
20 of their initiative and which could trigger CMP or CCI or
21 somebody else to replace those poles.

22 MR. COTA: Sure, this is Nathan. So we have existing
23 agreements with the town of Georgetown and the town of
24 Arrowsic. They are -- I think Georgetown is pretty much
25 through their project now and Arrowsic's halfway, three-

1 quarters. So we've got that. Also working on an agreement
2 with the town of Leeds and nothing formalized yet, but I am in
3 discussions with some representatives from Waldo broadband
4 about an upcoming project. I think that covers most of what
5 we've seen so far from municipalities.

6 MR. JOHNSON: And for those first municipalities you
7 mentioned, were poles replaced that CMP's expense?

8 MR. COTA: This is Nathan. Yes, at both CMP and
9 CCI's expense.

10 MR. JOHNSON: And did I hear correctly there's maybe
11 two or three towns sort of forecasted right now that might
12 require pole replacements?

13 MR. COTA: This is Nathan. Yes, Waldo -- the Waldo
14 broadband utility district is five or six towns combining into
15 one.

16 MR. JOHNSON: And I have this question later, but
17 yeah, I feel like it's a good place to ask it now. When a
18 municipality approaches CMP for, you know -- about, you know,
19 doing municipal broadband, is CMP required to replace those
20 poles right now under everyone's interpretation of the statute
21 and rule if the municipality does not have the -- you know,
22 based on other competitive providers in the area, are they
23 required to replace those poles if it's in the CMP service
24 territory but not in the CMP maintenance area?

25 MR. COTA: This is Nathan. I think what you're

1 asking is would the agreement with CCI possibly impact any
2 make-ready pole changeouts.

3 MR. JOHNSON: That's right.

4 MR. COTA: The agreement -- the 2019 agreement does
5 not cover make-ready work. So it would depend on the
6 maintenance area who would be setting those poles.

7 MR. JOHNSON: So in the entire CMP service area which
8 is expansive, right, there -- the way we -- I think we all
9 understand it, right, there's -- the entire CMP service area,
10 but within the -- those service areas -- within that general
11 service area, CMP is required, through the maintenance
12 agreements, to maintain poles and take care of things if
13 there's a car accident, and CCI is also required to maintain in
14 their service area. If a municipality -- and I'm just -- I
15 don't know off top of my head, but if a municipality -- and
16 Waldoboro, just Waldoboro itself, is in CCI's maintenance area
17 and they need a pole replaced that meet -- that -- based on the
18 ConnectME rule, would -- and -- but CMP is also inside that
19 service area, would CMP have to pay for the make ready to
20 replace the pole in that area?

21 MR. COTA: This is Nathan. We would not. We would
22 pay for any transfers or other make-ready work that might be
23 required, but the pole replacement would not. The town of
24 Arrowsic is a good example there. Inside CCI -- it's a CCI-
25 maintained area.

1 MR. JOHNSON: And there are the maintenance areas as
2 we've talked about, and there are solely-owned poles by CMP,
3 there are solely-owned poles by CCI. Then there are also
4 jointly-owned poles. How are jointly-owned poles impacted in
5 all this?

6 MR. COTA: This is Nathan. Jointly-owned poles are
7 still subject to a maintenance agreement -- or by maintenance
8 areas. And so the maintaining party would change that pole and
9 bill the other party, the other joint owner, for the -- that
10 replacement, the half cost of that.

11 MR. JOHNSON: So if there is a jointly-owned pole by
12 CMP and CCI, but it's located inside a CCI maintenance area and
13 at a municipality needs a pole replaced to meet the municipal
14 exemption, would CMP be required to pay for any of the costs of
15 that pole if it's a jointly-owned pole?

16 MR. COTA: This is Nathan. If CCI billed us for that
17 pole replacement, we would pay.

18 MR. JOHNSON: And what would happen if there was a
19 pole in the CMP maintenance area that is jointly owned by CCI
20 and CMP and the municipal exemption is invoked? Would CMP have
21 the ability to recover costs from CCI for that pole that is
22 replaced?

23 MR. COTA: This is Nathan. I would anticipate -- we
24 haven't run into that scenario yet, but I would anticipate we
25 would still continue to bill CCI for that. We just would --

1 any billable make ready that -- or any make ready that we would
2 have normally billed to the attacher would not go to the
3 attacher.

4 MR. JOHNSON: Because of that is not part of the
5 amended pole attachment -- pole owner agreement, right?

6 MR. COTA: Correct.

7 MR. JOHNSON: Okay. Thanks. This this may be an
8 oral data request just because it's kind of on the spot here,
9 but can CMP provide information about any poles that it has
10 replaced either for the municipal exemption to date and by
11 town? And then also poles it has replaced as part of the
12 police powers portion of Chapter 880 and also its pole
13 agreement rule.

14 MR. COTA: Could we clarify possibly with a time --

15 MR. JOHNSON: Oh, sure, yeah, in the -- I have it
16 written down, sorry. In the last five years.

17 MR. COTA: In the last five years?

18 MR. JOHNSON: Yeah, yeah. So police powers and
19 municipal broadband exemption in the last five years by town.

20 MR. BRYANT: And so that's the -- do you have that,
21 Daya? Oh, okay. What are we -- what question are we starting
22 with this morning?

23 MS. TAYLOR: Twenty-five.

24 MR. BRYANT: Okay.

25 MR. JOHNSON: So this kind of dovetails again on the

1 municipal broadband area. In its testimony and previously kind
2 of mentioned here, CMP mentioned that, you know, 90 percent of
3 the state, based on ConnectME's broadband report, would qualify
4 as either unserved or underserved and could precipitate pole
5 replacements as part of the municipal exemption. I think I
6 have that correct. At the same time, though, another big
7 provider in the state, Consolidated Communications, also CCI,
8 is in the process of doing a massive fiber overlay all over the
9 state. And according to press reports from the company, they
10 will be able to pass by 150,000 households by the end of the
11 year with speeds of a gigabyte down and a gigabyte up that
12 would far exceed the ConnectME requirements and possibly negate
13 a big part of that map that ConnectME has previously put out.
14 Has CMP engaged with CCI, Consolidated, about their new fidium
15 service and how that could impact, you know, proposed municipal
16 broadband efforts?

17 MR. COTA: This is Nathan. We -- I have talked with
18 some of the folks at CCI about what they're doing because
19 they're over lashing on poles typically that they already have
20 equipment on. So we're not being notified in many cases of
21 their attachment, in a new attachment.

22 MR. JOHNSON: Right.

23 MR. COTA: So we've talked generally about that but
24 not specific to -- I don't think the level of detail that
25 you're (indiscernible) I think.

1 MR. JOHNSON: Since you brought it up as well, it's
2 another question I have here about over lashing. Just in case
3 anyone is not familiar with that, that is the ability of a
4 provider to just simply attach to its existing facilities on
5 the pole. And this is, you know, a benefit to Consolidated
6 because it has copper and fiber all around the state. So it is
7 using this practice to quickly get onto poles. In the case of
8 municipalities and any possible pole replacements that they may
9 require for broadband or for police powers, has CMP studied or
10 worked on or looked into the idea of exercising over lashing
11 for municipal broadband purposes on existing town fiber
12 facilities to save on cost or boxing or bracketing or other
13 things like that that are eligible to do under our Chapter 880
14 rules?

15 MR. COTA: This is Nathan. There's very few towns
16 that have any significant infrastructure on the poles as far as
17 communication or fire alarms or anything like that. So it
18 would be a very small impact. And obviously we don't allow,
19 per the rules, over lashing on someone else's equipment. So it
20 hasn't come up yet, but if it was possible, it would be allowed
21 under the rules that we have today.

22 MR. JOHNSON: And just as a follow up for something
23 like boxing, is there a way -- is it possible for CMP to
24 quantify the cost of that versus a pole replacement if loading
25 and things like that are -- if the pole can handle additional

1 strands of fiber for the municipal broadband project? Would it
2 -- would there be, like, a cost benefit analysis, that it would
3 be cheaper to recommend boxing instead of a pole replacement to
4 allow for another attacher on?

5 MR. COTA: This is Nathan. I don't think we've done
6 any cost benefit analysis, and utilities are boxing as need be
7 to avoid make ready. I would say that they don't like to do it
8 either because it makes it hard for them to run their
9 equipment. So it's something that's only used to avoid a
10 costly pole change out.

11 MR. JOHNSON: Right.

12 MR. BRYANT: Nathan, could you briefly explain what
13 boxing is?

14 MR. COTA: Boxing would be placing -- normally, all
15 of the attachments are placed on the road side of the pole for
16 ease of access and maintenance. And boxing is just allowing
17 somebody to -- allowing a company to attach on the back side of
18 the pole, the fieldside because there's typically space on
19 that side of --

20 MR. BRYANT: So you're boxing the pole?

21 MR. COTA: It means boxing the pole. It creates some
22 -- it can create some difficulties in maintenance later because
23 when you set a pole, you kind of have to weave it up through.
24 Normally you set it on the back side and kind of bring it
25 forward, and boxing can make it difficult to change a pole.

1 MR. JOHNSON: And you can clarify, though, that it is
2 allowed by the National Electric Safety Code and it is also
3 allowed by Chapter 880 rules. Is that right?

4 MR. COTA: Chapter 880 prohibits us from a blanket
5 prohibition. So we still work with our attachment partners to
6 try to limit those circumstances, but we do allow those.

7 MR. JOHNSON: And one other thing I just want to
8 mention too, addition to those things, there is also placing an
9 attached underneath the bottom attacher. Traditionally the
10 bottom attacher was the incumbent ILEC which, in most cases, is
11 CCI, but there is often space available underneath that ILEC.
12 And so there's like one more spot sometimes that's available.
13 Let's see here. In Examiner 6-10 -- yeah, in Examiner 6-10 CMP
14 provided a map of the maintenance areas -- actually, I'm sorry,
15 I've already asked that. I jumped in on that one. Sorry about
16 that. Yeah, go ahead, Jason. Jason, jump in --

17 MR. MARCO: This is Jason Marco. Going back to the
18 question Michael asked about CCI and their broadband expansion,
19 I think what we're trying to get at is under the unserved and
20 underserved definition of ConnectME, that that's really the
21 driver for the municipal exemption. Do you -- would you agree
22 that that could be the driver, that the speeds, the up and down
23 speeds, are what really where you've -- CMP's obligations to
24 attach the pole falls in?

25 MR. COTA: This is Nathan. As far as the municipal

1 exemption, it is -- it's, as far as I know, solely based on the
2 unserved, underserved definition that the Maine Connectivity
3 Authority, ConnectME Authority has established.

4 MR. MARCO: Okay. So based off of that
5 interpretation, would you -- has CMP done any independent
6 analysis separate from ConnectME that is for their own benefit,
7 right, or for CMP's benefit of what speeds are offered in those
8 potential expansion areas?

9 MR. COTA: This is Nathan. We would have the same
10 information, basically the ConnectME speed map. It has its
11 flaws, but it's basically what everybody's working off. We
12 would have the same --

13 MR. MARCO: You'd use their map as --

14 MR. COTA: We would use their information, yeah.

15 MR. MARCO: Okay. So if a service provider was in
16 the area and they were offering speeds that exceeded the served
17 or underserved area definitions, would that exempt CMP from the
18 municipal exception, even though the map may not provide the
19 same data?

20 MR. COTA: This is Nathan. Yes. So we would expect
21 the party invoking the municipal exemption to prove their
22 eligibility for that exemption.

23 MR. MARCO: Okay, great. Thank you.

24 MR. JOHNSON: This is Michael Johnson again.

25 According to Examiners 6-34 CMP currently collects pole

1 attachment rental fees on 426,685 poles. Do your pole
2 attachment revenues increase at all if CMP becomes the sole
3 pole owner?

4 MR. COTA: This is Nathan. Yes, it would, if it
5 became -- if you're asking if it changed from a joint owned to
6 a soul owned, yeah, there would be an increase in our revenue
7 from it.

8 MR. JOHNSON: And actually that's the next part of my
9 question. If -- is there a difference in pole rental fees if
10 you are the sole owner or if it's a jointly-owned pole, are the
11 fees different? Like, the -- do you get, like, half the
12 revenue if you share the pole?

13 MR. COTA: So there's a data response here. I think
14 we laid out the rates over the last few years, but essentially
15 to answer your question, yes. So if it's a hundred percent CMP
16 pole, we would -- or the FCC calculation -- we would charge a
17 hundred percent of that. If it's a jointly-owned pole, we
18 would essentially cut that rate in half.

19 MR. JOHNSON: Okay. And on that note, the -- if --
20 you know, there's a lot of talk about the poles to be replaced
21 as part of the CCI or the broadband project. It looked like,
22 in OPA 3-5, that the forecasted revenues for pole rental fees
23 was actually going to be lower. At the same time, if you look
24 back at the 2021 to 2020 -- 2020 to 2021 review of revenues, it
25 went up. Can you explain why -- like, if you kind of play it

1 all out, if there are going to be more -- if CMP is going to be
2 assuming more attachers which should, in theory, increase
3 revenues, why the forecast, at least from OPA 3-5, looks lower?

4 MR. COTA: Sure, this is Nathan. I can explain that.
5 It's hard for us to anticipate two factors when we forecast.
6 We don't know exactly how many attachments we're going to add,
7 and the calculation that we use for those pole attachments
8 change every year. So that's why you've seen the forecast
9 decrease. We had a higher cost or a higher fee 2022. It will
10 be going down about 15 to 20 percent in 2023. And so what we
11 have done is just kind of stick with what we know we have for
12 attachments and apply the rate as we know it today
13 (indiscernible) what the future it may hold.

14 MR. JOHNSON: In Examiners 9-11 CMP provided a list
15 of 65,535 poles that are over 60 years old by maintenance
16 owner. The company reported in the spreadsheet that it
17 provided that there are 17,067 poles that are a total of, you
18 know, no poles or in CCI's maintenance area. So those would be
19 ones that CCI, I think, would be responsible for. However, the
20 company also provided GIS data for all this. It provided the
21 maintenance areas and then also all the 65,000 poles that it
22 provided. And when you apply that on the map using the GIS
23 data, there are actually only 11,298 poles that appear inside
24 the CCI footprint, their maintenance area. And so there
25 becomes a difference of 5,769 poles based on this analysis.

1 Can you explain -- of course you haven't seen that, but can you
2 explain why -- when you, you know, put those poles on a map,
3 why some of them that are -- if some of them are CCI poles
4 appear also in the CMP footprint?

5 MR. COTA: This is Nathan. I can explain that. So
6 there's been a number of agreements over the years between CMP
7 and CCI as far as maintenance areas. In 2013, there was an
8 agreement that swapped some towns. It did not -- there was not
9 a wholesale change of ownership accompanying those swap -- that
10 swap of maintenance areas. So there are 100 percent CCI-owned
11 poles within CMP's maintenance area. If that pole requires
12 maintenance in the future, CMP would be responsible for that
13 and then would assume ownership of that pole. So I think
14 that's why you see CCI poles scattered really throughout the
15 whole territory.

16 MR. JOHNSON: Okay, okay. Is there -- yeah, is there
17 a chance you can provide any more information on that as an
18 oral data request just so we can better understand that?

19 MR. COTA: What would you be looking for?

20 MR. JOHNSON: Well, I -- you know, when you -- again,
21 when you take all those poles and throw them on the map, it's
22 just, like, all over the place. So the idea of the maintenance
23 areas where you have these town by town doesn't seem to really
24 make sense when you see all these poles all over the place just
25 scattered everywhere on the map. You know, there's -- you

1 know, that's, you know, almost 6,000 poles that -- out of the,
2 you know, 17,000 or so. And so I'm just wondering if there's
3 anymore information you can provide about that to better
4 explain that. So --

5 MR. COTA: Okay.

6 MS. TAYLOR: So you're just looking for an -- like,
7 an explanation about the change in the maintenance territories?

8 MR. JOHNSON: Right, because the towns -- there's a
9 series of towns listed where one is one, one is the other, but
10 now this explanation suggests that it's more fluid.

11 MS. TAYLOR: Okay, thank you.

12 MR. JOHNSON: So I'm better understanding that and
13 how that works and where it might have happened. So --

14 MR. BRYANT: So, Nathan, you understand the question
15 and --

16 MR. DES ROSIERS: If I may, let me try what I think
17 the question is just so we are all square on it. Please
18 provide information explaining why there are a hundred percent
19 CCI-owned poles located within CMP's maintenance territories --
20 maintenance areas.

21 MR. JOHNSON: Yeah, I think that is probably
22 accurate. Yeah, let's go with that.

23 MR. BRYANT: Thank you.

24 MR. JOHNSON: As a follow up to page 26 of the
25 electric -- electricity operations panel testimony, CMP points

1 out that there are 9,451 CCI poles evaluated to be DLI2 and
2 DLI3 status that need replacing in future years. Can you
3 provide more information to -- and I think this would have to
4 be in GIS format -- to show us where those poles are? You
5 know, you provided the 60-year-old poles, and there were, like,
6 17,000 of those. And what I'm looking to see how many DLI2,
7 DLI3 poles are -- of those CCI's are -- like, see where they
8 overlap, see how many of those are the 60-year-old poles and to
9 see where they drop. So can you provide in GIS format where
10 those 9,451 poles are?

11 MR. DESROSIERS: This is Adam Desrosiers. Yes, we do
12 have those mapped on GIS, and we can provide that.

13 MR. JOHNSON: Okay. Perfect. Thank you.

14 MR. BRYANT: So the purpose of the ODR, the reference
15 is to page EOP 26, lines two and three. Thank you.

16 MR. DESROSIERS: And just to clarify, that's of the
17 known CCI-owned poles that require replacement due to the DLI
18 program?

19 MR. JOHNSON: Exactly.

20 MR. DESROSIERS: Okay.

21 MR. JOHNSON: So in Examiners 6-10 CMP shared its
22 joint pole and underground agreement with CCI that allows CMP
23 to replace CCI poles. Did CCI explore the -- I'm sorry, did
24 CMP explore other options to take ownership of CCI-owned or
25 jointly-owned poles rather than only taking ownership and

1 replacing the failing poles?

2 MR. PURINGTON: This is Joe Purington. I can speak
3 to that. So since my return back to Central Maine Power, I
4 have had conversations with CCI about an acquisition of their
5 assets. They are not interested.

6 MR. JOHNSON: And as a follow up to that, can CMP
7 share how its parent company affiliate Avangrid and its other
8 electric utility affiliates handle utility pole ownership in
9 other states and if ILECs are joint pole owners in those
10 states?

11 MR. COTA: This is Nathan. I believe we can give you
12 a general overview of how Connecticut in New York would work to
13 take that as a data (indiscernible).

14 MS. TAYLOR: Can you, please clarify the ODR?

15 MR. JOHNSON: Yes. Please share how CMP's parent
16 company Avangrid and its electric utility affiliates handle
17 utility pole ownership in other states and if ILECs or joint
18 pole owners.

19 MS. TAYLOR: Thank you.

20 MR. PURINGTON: So this Joe again. So I can answer
21 it from my previous experience with other New England states
22 and companies. Same process. This joint ownership.

23 MR. JOHNSON: Joint ownership?

24 MR. PURINGTON: Yeah.

25 MR. JOHNSON: And can you also answer if the electric

1 utilities in those states are experiencing the same issues with
2 pole ownership?

3 MR. PURINGTON: Without question, yes.

4 MR. JOHNSON: Okay.

5 MR. BRYANT: So does that answer -- does that obviate
6 the need for the ODR? Because your response, Joe, was about
7 other New England utilities, not necessarily your affiliates.

8 MR. PURINGTON: Exactly, yeah. I --

9 MR. BRYANT: You can't speak to the affiliates, is
10 that correct?

11 MR. PURINGTON: I cannot.

12 MR. BRYANT: Okay, let's leave the ODR then.

13 MR. JOHNSON: Yeah, okay. I think that's all I have
14 for now. Jason, I don't know if you have any other --

15 MR. MARCO: Yeah, I'd like to follow up on the -- CMP
16 approaching CCI on acquiring their assets. My understanding of
17 the amended -- 2019 amended document is -- or agreement is that
18 that's exactly what is happening, that CMP is taking over the
19 asset. Well, I guess the asset gets taken out of service when
20 CMP replaces it, but CCI no longer owns that pole that was in
21 that place. Is that correct?

22 MR. PURINGTON: That's correct.

23 MR. MARCO: So it's happening by attrition rather
24 than wholesale acquisition. Is that correct?

25 MR. PURINGTON: That's correct.

1 MR. MARCO: Has -- in the -- in that amendment, there
2 is a provision for CCI to purchase one-half interest back -- of
3 that ownership interest back in that pole that was replaced.
4 Was any -- in a DR, was there any response to that? There's
5 notice that CMP or CCI has to provide. I didn't see that in a
6 DR response. Is -- what exists on that, the notice, and how
7 does that acquisition or option get exercised by CCI? Does CMP
8 have any information on that?

9 MR. COTA: This is Nathan. I can provide you some
10 general information. Every time a pole is replaced or added to
11 the system, there's what's called an exchange of notice that
12 occurs between CMP and the -- CCI or any other telephone
13 company in the state in our territory. And that is essentially
14 our proposal -- or CCI can send it to us as their proposal for
15 ownership interest in those poles. So if -- in the example
16 you're saying, if CCI -- if CMP replaced the pole, took over
17 ownership under the 2019 agreement, CCI was interested in
18 purchasing back the half ownership, they would send us an
19 exchange of notice which we would have to review, accept, deny,
20 or modify as it may be.

21 MR. MARCO: Okay. At what cost or what rate? Would
22 that be determined at that time that that exchange of notice
23 was exercised?

24 MR. COTA: That's -- this is Nate. Yes. So there's
25 a fee schedule or a pole cost schedule that CMP and CCI operate

1 under for half ownership cost. So it would just fall under
2 that.

3 MR. MARCO: Thank you.

4 MR. BRYANT: (Indiscernible) follow-up question. Do
5 you or does anyone at CMP track the number of pole attachment
6 licenses that get issued annually by the Commission?

7 MR. COTA: This is Nate. I do keep an eye on the
8 Commission website. I look at the Commission website every
9 once in a while to see who's been licensed, yes.

10 MR. BRYANT: Do you have a sense of how many such
11 licenses have been issued in the last couple of years?

12 MR. COTA: Ten. Eight to ten I think.

13 MR. BRYANT: Okay. Thanks. And then a question
14 about a statement made in the capital investment testimony. If
15 you could turn to page 52 of that testimony. It has to do with
16 those CCI-owned poles and the company's proposal to use the
17 capital adjustment mechanism. So in the first full question --
18 the first paragraph answering the first full question on that
19 page, towards the bottom it says that "CCI pole replacements
20 are a necessary but incremental capital investment that's
21 easily tracked." I think that's probably true. The next
22 sentence, however, says "Using a capital adjustment mechanism"
23 -- in other words, the tracker -- "ensures that customers only
24 pay for those CCI poles that CMP actually replaces." I'm not
25 sure I understand what that means. It sounds to me like if we

1 didn't use the capital tracker, that CMP customers would pay
2 for poles that it didn't replace. So I need some clarification
3 on that, please.

4 MR. COHEN: So this is Peter Cohen. I'll start. I
5 think what that is saying is that a tracker would be exactly
6 what was spent. The alternative would be a forecast that was
7 put into the revenue requirement, and the actuals, of course,
8 may, and likely, would differ from the forecast.

9 MR. BRYANT: Forecasts being forecasts.

10 MR. COHEN: Forecasts being forecasts.

11 MR. BRYANT: Okay, hold on. Let me ask other staff
12 members if there's any follow ups on the questions that have
13 been asked about the CCI poles and the broadband or if any
14 Commissioners have questions about that.

15 MR. MARCO: Yeah. I just have one more quick follow
16 up, and I think it goes to a point maybe Chair Bartlett was
17 making yesterday morning. In response to Examiners 6-11 it
18 states that CCI is not going to replace pole -- or sorry, if
19 CCI is not going to replace poles that have failed inspection,
20 the responsibility falls to CMP. And I think it was just said
21 yesterday that CMP ratepayers wouldn't be responsible for CCI's
22 failure to replace those poles. Is there a remedy in these
23 management contract -- management agreements that CMP has with
24 CCI to sort of enforce CCI to do its duty?

25 MR. DESROSIERS: This is Adam Desrosiers. There's

1 not one that I'm aware of. It would be extremely helpful if
2 there was because we wouldn't be in this situation.

3 MR. MARCO: Thank you.

4 MR. DES ROSIERS: I might suggest it's in Title 35-A.

5 MR. PURINGTON: This is Joe Purington again. So I
6 would say that's a New England issue with the company and it's
7 not just a Maine issue.

8 MR. BRYANT: Were any of the witnesses here today
9 involved in the negotiations with CCI when the 2019 amendment
10 to the agreement was made?

11 MR. PURINGTON: I was not.

12 MALE: No.

13 MALE: No.

14 MR. COHEN: This is Peter. No.

15 MR. BRYANT: Okay, thanks.

16 MS. TAYLOR: I have one follow up. Nate, you
17 referred to a fee schedule a few minutes ago that you have with
18 CCI when CCI wants to buy back part of their joint-ownership
19 pole. Could you, please provide a copy of that fee schedule?

20 MR. COTA: Yes, we can (indiscernible).

21 MS. TAYLOR: Thank you.

22 MR. DES ROSIERS: Twenty-nine?

23 MR. BARTLETT: How often does CCI exercise that
24 option to buy half back?

25 MR. COTA: I've been in this -- this is Nate. I've

1 been in this role three plus years. I have not seen that done
2 yet.

3 MR. PURINGTON: This is Joe. I would just add I
4 don't think they have an intention to go back into the pole
5 maintenance business because it's not part of their business
6 model, at least in my conversations with executive-level people
7 at CCI. So I think you're seeing the movement across New
8 England to kind of force us, especially when they're not
9 regulated.

10 MR. BRYANT: Okay, I believe we're done with staff
11 questions on this issue. Let me turn to the OPA and ask the
12 OPA if it has any questions on follow up.

13 MS. CHAMBERLIN: Well, I have a series of questions
14 in general on pole attachments. Can I just go ahead with
15 those?

16 MR. BRYANT: Yeah, sure. Thanks.

17 MS. CHAMBERLIN: Okay. I'm looking at page EOP 38.
18 It's Figure 12. And is this a figure for the unserved and
19 underserved areas only?

20 MR. COTA: This is Nate. This would not be specific
21 unserved or underserved. It would be our anticipated pole
22 attachment requests across the system.

23 MS. CHAMBERLIN: And I think I just heard 90 percent
24 of that is the unserved area. Is that correct?

25 MR. COTA: This is Nate. Since the definition was

1 changed from 25 over three to a hundred over a hundred, I think
2 essentially almost all of the state of Maine falls into
3 unserved or underserved categories.

4 MS. CHAMBERLIN: And because of this being an
5 unserved area, would the attachment rate be single occupancy
6 almost always?

7 MR. COTA: This is Nate. So the occupancy of the
8 pole, are you saying sole ownership or joint ownership?

9 MS. CHAMBERLIN: Yes, single versus joint.

10 MR. COTA: So it would -- can you repeat the question
11 so I'm sure I have it?

12 MS. CHAMBERLIN: Would you agree the pole attachment
13 rate applicable would be for single occupancy versus joint?

14 MR. COTA: I would not agree with that. There are
15 areas of the state which continue to be joint owned, and any
16 joint-owned poles there would be applicable to the joint-owned
17 pole attachment rate.

18 MS. CHAMBERLIN: Do you have any sense of the
19 percentage?

20 MR. COTA: This is Nate. The percentage of joint
21 owned versus sole owned, I think we've got some numbers here
22 somewhere, but joint-owned poles, I think, are around 130,000.
23 That's out of a total population of 600,000, 660,000
24 approximately, total poles.

25 MS. CHAMBERLIN: And reflecting the chart, it talks

1 about pole attachment applications. Is that one attachment per
2 application?

3 MR. COTA: This would be -- this is Nate. This would
4 be the number of poles, not necessarily the number of
5 applications. Sometimes we cross those terms over, but this
6 chart is showing the number of poles we anticipate attachment
7 requests for.

8 MS. CHAMBERLIN: So this does not reflect at all the
9 number of attachments?

10 MR. COTA: This is Nate. We would anticipate -- this
11 chart is showing the number of poles which would equate to the
12 number of attachments. Each pole would have one attachment
13 request typically.

14 MS. CHAMBERLIN: One attachment per --

15 MR. COTA: Yes.

16 MS. CHAMBERLIN: And is it an estimate for all types
17 of attachers, CLEC, CATV, private municipal, anybody?

18 MR. COTA: This is Nate. That's correct.

19 MS. CHAMBERLIN: Okay. And is there a document that
20 breaks down these projections as to the type of attachers?

21 MR. COTA: We do not have a breakdown. It's just
22 based on the -- it was based on the number of miles, the poles
23 we thought would be involved, and it's just a straight across
24 estimate that way.

25 MS. CHAMBERLIN: Okay. So an ODR won't help. You

1 just don't have that information.

2 MR. COTA: I do not have that information.

3 MR. COTA: I would say the definitions of CLEC, cable
4 TV, private are becoming fuzzier than they used to be. So 20
5 to 25 years ago there was a big difference between a CLEC -- it
6 was basically just cable TV. All of these companies are now
7 offering the same services, and they're an attachment on a
8 pole. So we still split it out sometimes just for historical
9 perspectives and what not, but really an attachment today is an
10 attachment. And there's not as much emphasis put on CLEC
11 versus cable TV. CLEC versus ILEC or cable TV versus ILEC,
12 there's a difference, but as far as any competitive service,
13 it's an attachment on (indiscernible).

14 MS. CHAMBERLIN: And are the rates charged the same?

15 MR. COTA: For cable TV, CLEC, yes, they would be the
16 same rates.

17 MS. CHAMBERLIN: And on page 37 it states roughly
18 seven percent of all poles require some construction work
19 (indiscernible) accommodate attachments. And is that a
20 reference to make-ready work?

21 MR. COTA: This is Nate. Yes, that would be in
22 reference to make-ready work.

23 MS. CHAMBERLIN: And what are the rates that apply
24 for make-ready work?

25 MR. COTA: The rates that would apply for make-ready

1 work would be an estimate provided by CMP to the customer.

2 MS. CHAMBERLIN: It's an individual assessment, each
3 attachment?

4 MR. COTA: Yes.

5 MS. CHAMBERLIN: And so who is billed, the attaching
6 company? Is that correct?

7 MR. COTA: There can be both billable and non-
8 billable work included in that seven percent number.

9 MS. CHAMBERLIN: And why is that?

10 MR. COTA: Some poles that are applied for could
11 already be -- there could be several reasons. One could be
12 it's already been identified as part of the DLI program for
13 replacement. We would not charge a new attaching customer to
14 replace pole that we had already identified. Sometimes there
15 are existing clearance violations or inadequacies on the pole
16 that would -- we'd not charge the customer to remedy.

17 MS. CHAMBERLIN: Do you have a revenue projections
18 for make-ready work?

19 MR. COTA: I do not have any make-ready revenue
20 projections? No.

21 MS. CHAMBERLIN: Does anyone? Does the company keep
22 that or make that projection?

23 MR. COTA: I'm not aware of any projections.

24 MR. MARCO: Susan? Susan, this is Jason. Can I ask
25 a quick follow up on that? Do you break out historical make-

1 ready work?

2 MR. COTA: We --

3 MR. MARCO: -- as a line item on a revenue statement?

4 MR. COTA: That would be a question from Peter maybe
5 or somebody who can answer it how that revenue works, but any
6 billable make ready that comes into the company is applied as
7 revenue somewhere. You can help me out.

8 MR. COHEN: Sure.

9 MR. DESROSIERS: Yeah, I believe Peter's checking
10 with the revenue requirements panel.

11 MR. MARCO: Thank you.

12 MR. BRYANT: Do you have other questions that you can
13 pose while we're waiting?

14 MS. CHAMBERLIN: Sure.

15 MR. BRYANT: That'd be great. Thanks.

16 MS. CHAMBERLIN: OPA 3-6, Attachment 1, and it's --
17 the first tab is revenue by entity. And the totals for the
18 test year revenue for pole attachments is 12.9 million. Are
19 you on the --

20 MR. COTA: Okay, somebody from revenue is here so --

21 MS. CHAMBERLIN: All right, (indiscernible) question.

22 MR. HURWITZ: This is Jacob Hurwitz. Could you,
23 please repeat the reference? I'm sorry.

24 MS. CHAMBERLIN: I was asking about revenue
25 projections from make-ready work and the page in the testimony,

1 page 37, line 21 says roughly seven percent of all poles
2 require some construction work which is make-ready work. And
3 I'm asking are revenues projected into the future?

4 MR. HURWITZ: This is Jacob Hurwitz. I can speak to
5 what's reflected in revenue requirement, not what anyone else
6 in the company may have prepared. Within the revenue
7 requirement model, there is a line called pole attachment. It
8 includes the number you referenced, approximately 12.97
9 million. We escalate that at the general rate of inflation,
10 and as we described in response to a data request, we do apply
11 a specific discrete increase in the expectation for these
12 revenues which is tied to an expected cost increase on another
13 schedule.

14 MS. CHAMBERLIN: Okay, I think that's a separate
15 question. There's revenue for pole attachments and revenue for
16 make work. Is at the same thing?

17 MR. HURWITZ: I'm not sure.

18 MS. CHAMBERLIN: I don't think it is.

19 MR. COHEN: This is Peter Cohen. So in the revenue
20 requirements schedules, we don't have unlimited, you know,
21 categorization. So it would be my belief that make-ready work
22 would be included in the pole attachment line. We can
23 obviously verify that via an ODR and --

24 MS. CHAMBERLIN: Okay, that would be helpful.

25 MR. COHEN: -- provide a complete response.

1 MS. CHAMBERLIN: So the ODRs is revenue projections
2 for make-ready work separated out from any revenue projections
3 for pole attachments. And just continuing on the Attachment 1
4 questions, we're looking at revenue by entity, and all the
5 amounts are credit balances except one which is a debit
6 balance. That's on line 51. And it appears to be just debit
7 balance for about \$1 million. Is -- do you have that line?

8 MS. HEALY: While you're looking for that, can I ask
9 -- or add to Susan Chamberlin's ODR as well? I'd like to
10 understand the revenue projections for the pole attachment --
11 all pole attachment fees, including make ready, through the
12 three rate-effective years and whether they were -- I
13 understood from the conversation that they were escalated for
14 an inflation rate and also offset by some increases in costs.
15 But what I'm trying to understand is were they escalated to
16 reflect the predictions about full attachments shown in Table
17 -- whatever it was, Figure 12.

18 MR. BRYANT: Figure 12.

19 MS. HEALY: Figure 12 on page EOP 38.

20 MR. DES ROSIERS: While they're looking, I can say
21 that the whole idea of them being covered by a tracker is that
22 they are not reflected in the revenue requirement to the extent
23 they are incremental pole attachment resulting from the
24 broadband. So it's --

25 MS. HEALY: Either costs or revenues?

1 MR. DES ROSIERS: Correct. All of that was going to
2 be put in the tracker for the broadband program for -- to
3 really track both the revenue and the cost distinct from other
4 pole attachment revenues that could be -- could grow from other
5 -- obviously other poles or other --

6 MS. HEALY: Then I don't think I need my -- thank
7 you.

8 MS. CHAMBERLIN: Okay, are we ready? We've got OPA
9 3-6, Attachment 1?

10 MR. COHEN: This is Peter. I'm ready.

11 MS. CHAMBERLIN: Great. And I'm looking at I believe
12 it's line 51, and there's a line showing a debit balance of
13 about \$1 million. Can you describe the transaction which would
14 create this debit balance?

15 MR. COHEN: So this appears to be -- I've not. I did
16 not prepare this response, but this appears to be a list by
17 vendor of payments to CMP. This is obviously going in the
18 opposite direction (indiscernible) this was a payment.

19 MS. CHAMBERLIN: Right.

20 MR. COHEN: I can't speak to what market sales ACC
21 is, but if you'd like, we can take an oral data request
22 (indiscernible) give you background into that.

23 MS. CHAMBERLIN: Yes, we want to know what the
24 transaction which created the debit balance was about and is it
25 a normal or recurring transaction.

1 MR. COHEN: Sure.

2 MS. TAYLOR: Can you, please -- can I have the DR
3 reference again, please?

4 MS. CHAMBERLIN: It's OPA 3-6, Attachment 1.

5 MS. TAYLOR: Thank you.

6 MS. CHAMBERLIN: All right, now I'm looking at OPA
7 3-2, comparing it to OPA 3-4. And when you look at these
8 numbers together, it appears that the number of poles remain
9 roughly the same over several years in spite of a substantial
10 number of CCI joint pole replacements. So OPA 3-2 talks about
11 CCI-owned joint-use poles being replaced, and then 3-4 just
12 talks about pole counts. And it appears that those two have
13 not been correlated. And we would ask that the pole counts be
14 updated. If our theory is correct, and if it's some other
15 reason, we'd ask for an explanation.

16 MR. COTA: This is Nate. I think we'll have to take
17 that as an ODR.

18 MS. TAYLOR: Can you, please repeat the ODR?

19 MS. CHAMBERLIN: Sure. Reference OPA 3-2 and OPA 3-
20 4. OPA 3-4, Attachment 1 provides CMP pole counts for 2020,
21 2021, and 2022. The count of jointly-owned poles does not
22 appear to decline in line with the replacements indicated in
23 OPA 3-2. Please explain.

24 MS. TAYLOR: Thank you.

25 MS. CHAMBERLIN: And then referring to CIP testimony,

1 Table 9, yesterday counsel distributed updated chart. And I'm
2 wondering (indiscernible) explain what -- why there was a need
3 for an updated chart. Is all the data out of the original
4 Table 9 -- can no longer refer to that or what caused there to
5 be the need for a new chart?

6 MR. DESROSIERS: So this is Adam Desrosiers. The
7 main differences on Table 9 was really consolidation of the
8 poles replaced by the DLI program and other column into one
9 column and then adjustment of the cost per pole for replacement
10 using what we had historically paid per pole for 2019 through
11 2021 and then adjusting the per-pole cost for the installation
12 construction component through 2022 through 2026.

13 MS. CHAMBERLIN: So is it fair to say -- I'm looking
14 -- OPA 3-2 says there are about 70,950 CCI-owned joint-use
15 poles in CMP's service territory. Is it fair to say that the
16 pole replacement program will replace about 40 percent of the
17 CCI-owned joint poles?

18 MR. DESROSIERS: What was that data request again?

19 MS. CHAMBERLIN: It was -- I'm just asking for the
20 percentage of replacements. So will the proposed CCI pole
21 replacement program replace about 40 percent of the CCI-owned
22 joint pole?

23 MR. DESROSIERS: So looking at the revised total of
24 poles that we anticipate needing replacement on the adjusted
25 Table 9 of about 27,000, I believe one of the tables we just

1 looked at showed around a hundred and -- what's the total? I
2 guess what I'm getting to is I would foresee it being much less
3 than 40 percent of their poles being replaced as part of the
4 DLI program.

5 MS. CHAMBERLIN: Then as an ODR could you give me
6 what percentage (indiscernible) and how you calculate it?

7 MR. DES ROSIERS: Over what time period? As
8 reflected in Table 9, the years included in the --

9 MS. CHAMBERLIN: As reflected in Table 9. So 2019,
10 2020, 2021.

11 MR. DESROSIERS: So basically forecasting out the
12 percentage of the joint-owned poles that we would expect to
13 replace through just the DLI program or whatever is applicable
14 to the amended CCI agreement, because there is poles that CCI
15 still responsible for replacing outside of that agreement. So
16 you're talking anything that would be replaced that's
17 applicable to that agreement?

18 MS. CHAMBERLIN: Yeah, I -- we're referring to the
19 CCI pole replacement program. So whatever is (indiscernible).
20 And then turning to CIP 56 discusses pole replacements for the
21 broadband initiative. And CMP estimates the need to replace
22 over 10,000 poles through 2026. And I was looking for an --
23 how did you come up with that estimate?

24 MR. COTA: This is Nate. We -- I don't have the data
25 response right in front of me, but we took the 2020 ConnectME

1 broadband action plan and used the approximately 17,000 miles
2 that they determined in that plan as unserved or underserved,
3 assumed 50 percent of those miles were within CMP's service
4 territory, applied the historical percentage of make-ready pole
5 replacements to that number of poles that that would entail,
6 and forecasted that over a number of years. And that's kind of
7 -- that's basically how we came up with the 10,000 estimate.

8 MS. CHAMBERLIN: Thank you. And the cost estimates
9 go up about \$4 million a year. Is that because more poles are
10 being replaced or that the costs are escalated in some way?

11 MR. DESROSIERS: Sorry, this is Adam Desrosiers.
12 Could you ask that again?

13 MS. CHAMBERLIN: Sure. Just as the numbers -- as the
14 years go out, the costs increase about \$4 million a year, I'm
15 just wondering what's the basis of that increase?

16 MR. DESROSIERS: That's really two pieces. There's
17 an escalation put on future year forecasts and then also the
18 increase in the pole setting and construction cost that we
19 highlighted as a footnote on the adjusted Table 9.

20 MS. CHAMBERLIN: All right, thank you. That's all I
21 have.

22 MR. BRYANT: Thank you, Susan.

23 MR. BARTLETT: Quick question. So you made a
24 reference a number of times to the fact that if an attacher or
25 somebody's requesting work on a pole and if it's been

1 identified as, by the DLI program, that that doesn't get --
2 that cost doesn't get passed on, is there any assessment done
3 of whether the pole would qualify for the DLI program or is it
4 just the DLI team hasn't seen it yet, hasn't identified it,
5 that's just a bright line?

6 MR. COTA: So this is Nate. When we get an
7 application for pole attachment, we send a surveyor out to
8 inspect that pole. And they're looking at -- they're not
9 really doing a DLI inspection, but they're looking at the
10 condition of the pole, they're looking at the clearances, and
11 it is similar to a DLI inspection. So I guess the answer to
12 the question is we are going out and inspecting the poles.
13 We've given our surveyors some general guidance on what is
14 acceptable versus not, and they make a determination in the
15 field of whether that make-ready work, if required, would be
16 billable or non-billable (indiscernible) customer.

17 MR. BARTLETT: Thank you.

18 MR. BRYANT: Do any parties participating on Teams
19 have questions regarding CCI poles or broadband? Hearing none,
20 why don't we move back to the grid modernization panel.

21 MR. DES ROSIERS: That's fine with one -- just Greta
22 had a question yesterday with respect to the 2022 actuals, and
23 it was referring to EXM 09-80. And we deferred it to Mr.
24 Desrosiers and he's here. So if we want to still ask that one,
25 it's a good time. Otherwise, I'm happy to --

1 MR. BRYANT: Well, my understanding is that Mr.
2 Desrosiers is also on the EOP panel, and we have yet to exhaust
3 our questions on that panel. So we can do it now where we can
4 do it -- let's do it when that panel's in place. So we'll
5 switch to the grid mod thing, and I'm going to turn to Ian.
6 When they're in place, Ian, you get to resume your questioning.

7 MR. BURNES: It's the regulatory version of a pit
8 crew. Thanks, guys. You guys are good.

9 MR. BRYANT: So as we've done so far, when a new
10 panel sits, I'd like you to identify yourself sequentially by
11 name and, you know, at the same time, enter your appearance,
12 your name, and your title, starting with Ms. King.

13 MS. KING: Good morning. Rita King.

14 MR. BOCHENEK: Scott Bochenek.

15 MR. MADER: Good morning. Jim Mader.

16 MR. MANNING: Bob Manning.

17 MR. ALONSO: Miguel Alonso.

18 MR. BRYANT: Okay, good morning. I remind you all
19 that you're under oath, and I'll turn it over to Ian Burnes
20 from Efficiency Maine Trust for questions.

21 MR. SULLIVAN: Sean Sullivan's here as well.

22 MR. BRYANT: Well, let me ask -- so you already
23 entered an appearance, Eben. Never mind. Eben Perkins is now
24 here in person. So go ahead, Ian.

25 MR. BURNES: All right, terrific. Ian Burnes from

1 Efficiency Maine Trust. The remaining part of my question is
2 on your active network management program. And I'm going to
3 start with can you explain Avangrid's relationship with Smarter
4 Grid Solutions?

5 MR. MANNING: Sure. Bob Manning. So we have a
6 project in our New York affiliate, both RG&E and NYSEG, where
7 we're using a Smarter Grid Solutions platform to do REV, REV is
8 reforming the energy vision, demonstration project.

9 MR. BURNES: And did CMP go out to bid for these
10 services?

11 MR. MANNING: So no, what is -- Bob Manning. So what
12 is proposed in the capital tracker was a representative
13 project.

14 MR. BURNES: So is it fair to say that you haven't
15 received competitive pricing for the project that you're trying
16 to do in Maine?

17 MR. MANNING: Bob Manning. Correct.

18 MR. BURNES: So I'd like to -- I'm going to try to
19 ask questions about the confidential attachment to 10 --
20 Examiners 10-47. And I recognize that the protective order
21 refers to the terms and conditions. I'm going to try to do it
22 in a non-confidential way. If I ask whether the terms of this
23 are fixed cost or variable cost or subscription or not
24 subscription, will your answers be confidential?

25 MR. MANNING: Bob Manning. Could you repeat the

1 attachment that you were referencing?

2 MR. BURNES: So that's --

3 MR. BRYANT: There's two attachments to Examiners 1-
4 10.

5 MR. BURNES: Yes, this is the spreadsheet.

6 MR. BRYANT: So that's Attachment 1.

7 MR. MANNING: But it's a 10-047?

8 MR. BURNES: That's correct. I think it's also OPA
9 2-24. Okay, no, I got the -- I have them both open. Yeah. Do
10 you need me to repeat the nature of the question to determine
11 whether it's confidential or not?

12 MR. MANNING: If you could, please.

13 MR. BURNES: If I ask whether the -- can I ask about
14 the nature of the structure of the deal, whether -- of the
15 service agreement, whether the -- whether there is a
16 subscription or isn't a subscription and the nature of that
17 subscription?

18 MR. MANNING: So Bob Manning. So this proposal is
19 for a cluster area. We did provide details of the cluster area
20 to Smarter Grid Solution, and they provided a proposal. Their
21 proposal includes professional services and licensing for their
22 software platform.

23 MR. BURNES: So I can ask about the licensing and
24 that's not confidential?

25 MR. MANNING: Bob Manning. I guess it depends on your

1 question. I think if we --

2 MR. BURNES: So, I mean, I don't want to reveal
3 anything that's potentially confidential. The protective order
4 was very broad in saying terms and conditions, and anything
5 might be considered a term and condition. So I'm trying to
6 understand whether everything about this relationship is
7 confidential or whether there are ways that I can ask this. I
8 don't want to know -- that we can -- I'm trying to avoid
9 getting this into confidential, but I'm just trying to
10 understand what exactly it is you don't want revealed here.

11 MS. KING: This is Rita King. I think, Ian, let's go
12 ahead and have you ask your questions, and we'll flag if we
13 think you're getting into confidential and sensitive
14 information.

15 MR. BURNES: Okay. So when you have a license
16 agreement with these as Avangrid, does that obligate you to use
17 it in all of your service territories?

18 MR. MANNING: So the license agreement would be with
19 CMP for this proposal. It is not with Avangrid.

20 MS. KING: And this is Rita. The arrangement we have
21 with Smarter Grid Solutions does not obligate us to use it in
22 all of our territories.

23 MR. BURNES: Well, I'm seeing an enterprise license
24 cost on cell C5 which appears to be substantially more than any
25 of the breakdown on an annual basis.

1 MR. MANNING: Bob Manning. So we did get pricing for
2 an enterprise-wide license. That's not reflected in this
3 proposal.

4 MR. BURNES: Okay.

5 MR. MANNING: The proposal is specific for the
6 cluster area.

7 MR. BURNES: Okay, so that would be the following
8 line of C6 for --

9 MR. MANNING: Bob Manning. Correct.

10 MR. BURNES: Is the nature of this license -- is this
11 a -- does this permit you a number of devices or can you hook
12 up any number of devices? Can you expand this pilot to be
13 seven or eight or 20 or a hundred or is it limiting you in the
14 number of the devices you can control?

15 MR. MANNING: This is Bob Manning. So if we went
16 with an enterprise license, which we're not proposing in this,
17 it's basically tiered licensing structure by number of
18 substations. So to your point or to your question, unlimited
19 devices. So it's not licensed per DER site.

20 MR. BURNES: So if -- so this is going to be per
21 substation and then however many devices are underneath that
22 substations are covered in the pricing that we see here?

23 MR. MANNING: Correct. And additional DER sites
24 could be added in the future. And the only --

25 MR. BURNES: Presumably if they are under that

1 substation, but if they're not under the substation, you're
2 going to need to get another license?

3 MR. MANNING: Correct. And this cluster area covers
4 several -- I'm not sure the exact number, but several
5 substations.

6 MR. BURNES: And given -- so given the fixed number
7 -- you know, given the fixed cost associated with the license,
8 the more DERs that you connect, the more this the more cost
9 effective this investment is? Cost effective in terms of the
10 amount of benefit that you're passing on to the distributed
11 energy resources you're connecting.

12 MR. MANNING: So this is Bob Manning. That part or
13 that portion of the project we are including in the capital
14 tracker. So those costs weren't planned to be passed on to the
15 DER developer. This platform could be also used for other --
16 you know, other DERs or other applications such as managed
17 charging. We're not planning that for this use case. This is
18 really just for, again, the cluster area that was referenced.

19 MS. KING: This is Rita, and Bob's going to correct
20 me if I'm incorrect, but my understanding is yes to your
21 question. The more DER sites that elect to be part of the
22 pilot, it's more cost effective for the company with respect to
23 the investment. There is continued portions of the pilot that
24 the contractors would be -- sorry, that the developer would be
25 responsible for, and that's a per-site cost for the developer.

1 So what we're recommending here is that there is a company
2 investment which is sort of the head-end system that would be
3 recovered through the capital tracker mechanism, and that is a
4 -- you know, the licensing there is also what Bob has been
5 talking about, the tiered per substation. So the more DER
6 sites you get, the more cost effective that licensing and head-
7 end system investment is for ratepayers, but there continues to
8 be a cost for developers at their site. Does that make sense?

9 MR. BURNES: It does, but it also opens up some other
10 questions for me. So the -- are all of the costs associated
11 with this subscription related?

12 MR. MANNING: No. So there is -- Bob Manning. So
13 there's costs at what we're calling the grid-edge device. So
14 the -- basically the appliance that interfaces with the DER
15 equipment, maybe a plant controller or maybe specific
16 inverters, and that will be -- similar to our interconnection
17 process, that will be billed at cost and cost recovered through
18 the DER developers. Each site may be a little different. So
19 the cost may vary depending on site configuration.

20 MR. BURNES: So I'm just trying to work through in my
21 mind here. On line 59 you have a materials line. I'm seeing a
22 number that looks a lot -- very similar to a subscription. So
23 there's a subscription that's included as a material and then
24 other numbers that look -- I'm not as familiar with from a
25 subscription perspective. So are you mixing subscription and

1 actual devices in and calling them all materials?

2 MR. MANNING: Correct. So there is -- there's
3 hardware that -- which is material, right, an appliance at the
4 DER site, appliance at our energy control center, in the data
5 center, firewall servers, etc. I mean, those are all
6 considered materials. I'm not sure where you're getting this
7 subscription --

8 MR. BURNES: Right, license. When you buy a license,
9 is that good for a year or is that good for multiple years?

10 MR. MANNING: So the software license would be for
11 multiple years, but then there would be potential maintenance
12 and support costs.

13 MR. BURNES: Okay, that's helpful. I -- when you --
14 mentioned additional functionality. When you're buying this
15 license and you're buying it, from what I understand, for a
16 fixed -- is it a substation or is it a number of substations
17 for this license?

18 MR. MANNING: It's for a number of substations.

19 MR. BURNES: How many?

20 MR. MANNING: I'd have to -- that could be an ODR. I
21 don't have the exact number, but it's the Lakewood, Winslow
22 cluster study area that was done.

23 MR. BURNES: So when you're talking about -- but part
24 of your justification for putting it into distribution rates is
25 that you could use it for other things later on. How many

1 substations could you use it for later on without expanding on
2 this license cost?

3 MR. MANNING: I mean, subject to check with the
4 vendor, it would be the cluster area substation. So any
5 incremental substations outside of the cluster area would
6 result in additional licensing fees.

7 MR. BURNES: Okay. So you're -- the functionality
8 that -- you're only ever going to be able to do this in this
9 one individual cluster for this cost. So the total cost that
10 we see in the bottom there is only going to be for this
11 cluster, and any additional functionality would have to be --
12 we have to -- there'd be new costs associated with that?

13 MR. MANNING: So if there was additional
14 functionality in the cluster area, there would be probably
15 professional services cost to configure the system. There
16 shouldn't be additional licensing cost I would not expect. And
17 just to confirm, this project is a pilot. We're not looking to
18 roll this out throughout CMP territory at this point, right?
19 We would like to pilot the technology, the feasibility of the
20 technology, the interest in the DER developers in adopting the
21 technology to further growth of DER interconnections.

22 MR. BURNES: I'm just struggling with the distinction
23 that you're making between charging that the DERs and not
24 charging the DERs. So you're not charging the DERs for the
25 license agreement, but the pilot is only for DERs. So I'm

1 trying to understand what your justification -- what's the line
2 there in which you say we're charging DERs for this and we're
3 not charging DERs for that.

4 MR. MANNING: So Bob Manning again. So what we're
5 proposing to charge the DER developers is any work at their
6 site to integrate -- again, use the term grid-edge device. So
7 the appliance at their site that integrates with either their
8 plant controller or the specific inverters at their site. That
9 would be charged at cost to the developers. The platform, the
10 head-end platform, which could, again, house -- in the future
11 host let's say a hundred substations, we were not planning to
12 charge --

13 MR. BURNES: You know, you just did -- I'm sorry.
14 I'm sorry to interrupt you there, but didn't you just say that
15 the head-end platform and the license that you have actually
16 could only serve this substation?

17 MR. MANNING: No, I said the licensing fees only
18 cover the Winslow, Lakewood cluster area. So again, we
19 wouldn't be putting in additional servers and firewalls, etc.
20 That is basically a one-time cost.

21 MR. BURNES: But there there's a cost to the license
22 here that you're -- that is just -- I'm just -- I'm struggling
23 to see -- you would have to -- what are the things that you --
24 that -- I'm trying to figure out what are the costs -- what
25 would expand if we were to do hundreds of substations and what

1 are the sort of fixed costs associated with this?

2 MR. MANNING: Okay, Bob Manning. So, yeah, let's
3 start with the pilot, right. So the pilot project as proposed
4 in the capital tracker includes DER developer costs, right,
5 which are the grid-edge equipment costs. And then it includes
6 cost that we're looking for ratepayers to fund, and that
7 includes the equipment in the ECC. So hardware, software, and
8 then also licensing fees, right, and that covers the cluster
9 area pilot. And then to your question, if we were to expand
10 that pilot, this was a business as usual opportunity or
11 offering, and let's say we're covering the entire CMP
12 territory, there would be additional licensing costs to cover
13 those additional substations. And, again, the plan --

14 MR. BURNES: Have you broken those categories of
15 costs out? So when I'm looking at the total cost of this, it's
16 2.9 million. Have you broken those three categories -- or I'm
17 assuming maybe the -- that doesn't include the grid-edge
18 devices. Is that correct?

19 MR. MANNING: Yeah, so the 1.7 in the capital tracker
20 -- you see that number?

21 MR. BURNES: Yes. Yes.

22 MR. MANNING: So that is planned -- or we're
23 proposing to cover -- or those costs to be funded by CMP
24 ratepayers. The grid-edge cost we did not estimate because
25 that would be determined based on how many DER developers

1 actually want to be involved in the pilot and sign up for the
2 pilot. And also, those are site specific, the actual costs,
3 based on the configuration of the site.

4 MR. BURNES: Okay, I'm -- and maybe this --

5 MS. KING: This is Rita. Can I just jump in for a
6 minute? So the 1.7 that we've included as part of the pilot
7 cost, it is for the head-end system which the ECC needs to have
8 visibility into what the DER sites are doing. So that's -- the
9 head-end system allows that functionality plus the cost of
10 licensing which is tiered at a substation level. For now the
11 substations included are the ones that Bob just mentioned for
12 the cluster study. So we included those in this filing because
13 we believe that all customers are going to benefit from the
14 ability to have additional renewable generation interconnected
15 onto the system. What we haven't included in the filing is
16 cost for DER developers, and there is a cost for DER developers
17 that they're going to have to incur if the pilot is to be
18 successful and move forward. So, you know, we talk about the
19 grid-edge cost for DER developers, but we don't -- we have not
20 included that here. We're not looking for recovery of those
21 costs in this filing.

22 MR. BURNES: So I'm trying to reconcile this
23 direction, and something that the policy panel said yesterday
24 that, to date, the company had not incurred any expenses as a
25 result of the increased DER interconnection and this is a

1 market difference. You're now saying that all of your
2 customers are going to benefit from lowering the potential cost
3 of interconnection and that we -- that those customers should
4 pay for DER interconnection, lowering the cost of DER
5 interconnection. Is that, just at a high level, policy --
6 acknowledgement with this pilot that you're shifting directions
7 there?

8 MS. KING: This is Rita. So we're not shifting
9 directions there. What we are saying is recognizing that the
10 state has clean energy goals. This is an opportunity for the
11 state and the company to work together with other stakeholders
12 to explore the idea that other states have actually moved
13 forward which is that all customers benefit from having these
14 clean energy goals move forward. And so it's not a shift, it's
15 a potential opportunity for us to consider. We've included it
16 again in this filing in the capital tracker to get a sense of
17 is this something that the Commission would be interested in us
18 moving forward and thinking about and seeking alternatives to
19 the current interconnection process that we have. So we're not
20 changing that process unless there's a desire to do that. And
21 so we've offered, you know, an approach and a design that's
22 worked in other states and we believe will be attractive to DER
23 developers. We have pilots with some data and some anecdotal
24 information from those developers that were they not -- were it
25 not for this type of innovative approach to interconnections,

1 that they would not move forward with their renewable projects.
2 And so, you know, hopefully that makes sense from a policy
3 perspective. I don't know if others have anything to add.

4 MS. HEALY: May I ask a quick question here, Ian?

5 MR. BURNES: Yeah, please do.

6 MS. HEALY: For the sake of clarity, but for the
7 DERs, would CMP propose the active network management pilot or
8 not?

9 MR. MANNING: For the use case -- this is Bob
10 Manning. For the use case at this point, this was for DER
11 Interconnections.

12 MS. HEALY: Okay. So -- and as I'm understanding it,
13 you've articulated a sort of general potential benefit to
14 ratepayers of advancing the state's policies regarding
15 renewable resources. But you also, I think, indicated that
16 there's potential significant benefits for DERs individually,
17 increases in hosting capacity and other types of benefits, that
18 as you indicated might be attractive to DERs?

19 MR. MANNING: Correct.

20 MS. HEALY: And am I also understanding your
21 testimony that beyond the pilot, if you are -- if this were to
22 be determined to be successful, you would want to expand this
23 and you would continue to promote the idea that CMP ratepayers
24 should continue to absorb some of these costs?

25 MR. MANNING: Bob Manning. Correct.

1 MS. KING: This is Rita, and I'll add to that. I
2 think we would have to wait and see what the results of the
3 pilot look like before we made additional future
4 recommendations. I think the idea here is that while the CMP
5 cost would be fixed, the more DER sites you get to be part of a
6 pilot, the costs continue to stay fixed and you have additional
7 benefits at potentially, you know, nominal incremental costs.

8 MS. HEALY: Do you agree that at some point there are
9 enough DERs on the system that would allow -- in combination
10 with other, you know, things that are going on, that would
11 allow the state to meet its clean energy goals?

12 MS. KING: This is Rita. I think that the experience
13 we've had in the last couple of years with interconnection, we
14 believe this could be an innovative short-term solution to
15 continue to allow the DERs to -- renewable energy to integrate.
16 At some point, yes, it's possible that there's enough that this
17 type of approach is not necessary, and we would definitely
18 assess that at that point. And, you know, we would seek to
19 work with the Commission to decide when it's appropriate to
20 stop offering this type of solution.

21 MS. HEALY: And has the CMP done any analysis as to
22 what sort of level of DERs might be (indiscernible) tipping
23 point?

24 MS. KING: This is Rita. No, we have not.

25 MS. ANCEL: This is Charlotte Ancel on behalf of CMP.

1 Nora, if I could just build on Rita's response. It is the
2 policy of CMP, we understand that the regulatory rules and we
3 support this, is that interconnecting customers, including
4 distributed resource interconnecting customers, pay for their
5 cost to interconnect to the system. I just want to be clear,
6 our position on that has not changed. This is, as proposed,
7 small pilot to test the proposition as to how we interconnect
8 distributed resources and are there more efficient ways to do
9 it. The company proposed it as a policy matter as a cost to be
10 socialized among CMP customers because of the broader benefits
11 of hitting the state's energy goals. But to be clear, this
12 does not -- this -- inclusion of this pilot in CMP rates does
13 not -- was not intended to represent a change to that policy of
14 interconnecting customers bear their costs of interconnection.

15 MR. BRYANT: I need to step in here. It's time for a
16 break. Ian, I hope that's okay to do that now.

17 MR. BURNES: Sure. I'm just about done here, Eric.
18 Do you mind if I just -- do you want me to just wrap up so we
19 can move on or do you need to need to break?

20 MR. BRYANT: Well, we do need a break.

21 MR. BURNES: Okay, I can come back.

22 MR. BRYANT: -- for a variety of reasons. You know,
23 and I know Faith has a follow-up question as well. So it might
24 take a little longer. Let's come back at 10:53.

25 MR. BURNES: Okay.

1 MR. BRYANT: Thanks, Ian.

2 CONFERENCE RECESSED (November 10, 2022, 10:37 a.m.)

3 CONFERENCE RESUMED (November 10, 2022, 10:53 a.m.)

4 MR. BRYANT: -- on the record. Looking at the list
5 of participants participating remotely, I see that Melissa
6 Horne has joined. Melissa, could you identify yourself for the
7 record, please?

8 MS. HORNE: Good morning. Melissa Horne on behalf of
9 Walmart.

10 MR. BRYANT: Thank you. Has anyone else joined who
11 did not make an appearance earlier this morning? I don't see
12 any names that (indiscernible) a yes to that, but -- okay. So,
13 Ian, if it's okay, I'm going to ask Faith to ask her follow-up
14 question and then turn it back over to you.

15 MR. BURNES: Absolutely.

16 MS. HUNTINGTON: Thank you. I just had a couple of
17 follow-up questions on the A&M. My understanding is that this
18 would allow distributed resources to interconnect without
19 paying for certain network upgrades that would otherwise be
20 required by their interconnection. Is that correct?

21 MR. MANNING: This is Bob Manning. Correct. So the
22 way the technology works, this would be offered as an
23 alternative to system modifications. So potentially, let's
24 say, a conductor upgrade, what we would do is the system would
25 curtail the generator if we were approaching the rating of that

1 conductor or that asset. It could be a substation transformer
2 or whatever type of distribution asset. So it would actually
3 curtailed the generator not to zero, but it would still allow
4 the generator to produce but to a level to maintain safe and
5 reliable service.

6 MS. HUNTINGTON: And presumably the cost associated
7 with this system would be less than the cost of the network
8 upgrades that would otherwise be required to allow the project
9 interconnect. Is that the logic?

10 MR. MANNING: So Bob Manning. So that would be the
11 concept, yeah, but each project would be, you know, weighed,
12 right. The developer makes their decision. So they would have
13 to weigh the hours or energy curtailment versus, you know, a
14 firm capacity upgrade, right, and make their decision on which
15 way they wanted to go.

16 MS. HUNTINGTON: Okay. What then is the -- and there
17 were some discussion earlier about the company's not changing
18 their approach in terms of allocating cost to interconnecting
19 projects that are driven by the fact that the project is
20 interconnecting to the project. What is the logic then for
21 allocating these costs to CMP ratepayers versus allocating the
22 cost of this project to the interconnecting DERs?

23 MS. ANCEL: This is Charlotte Ancel. Rita, do you
24 want to start on a response to that?

25 MS. KING: Sure, this is Rita King. So the logic

1 there is there are portions of the pilot that would be
2 recovered by CMP ratepayers because the additional renewable
3 generation that can be interconnected is going to benefit all
4 customers. And we have, as I mentioned before, heard from
5 other DER developers that sometimes they will not interconnect
6 because of the cost of system upgrades. And so this is an
7 approach that allows a portion of the pilot cost to be
8 recovered by customers and DER developers would still pay their
9 share of the cost.

10 MS. HUNTINGTON: Has the company explored the
11 possibility of establishing some kind of a fixed fee that would
12 be assessed to the interconnecting DERs to recover the cost of
13 a system like this? And just again, Rita, to respond to your
14 comment, I'm assuming that in the context of a choice -- or a
15 decision by a project interconnect or not interconnect that
16 this would be a solution that would be less costly than the
17 network upgrades that would otherwise be required. Is that not
18 correct?

19 MS. KING: This is Rita. That's correct, but we do
20 find what some of the feedback we've received from developers
21 that the reduced costs allows them to move forward with a
22 business case that works for them as opposed to not. So going
23 back to your question about exploring a fixed fee, we have not
24 explored that at this time, but we are open to having those
25 discussions with stakeholders if we -- if that is something

1 that's of interest to other parties.

2 MS. ANCEL: And just building on -- this is Charlotte
3 Ancel. Building on Rita's response the concept -- as I
4 understand it, Ms. Huntington, the question is has CMP
5 evaluated the concept of having effectively a tariffed
6 interconnection rate similar to what Green Mountain Power in
7 Vermont has developed. That topic has come up in the context
8 of the interconnection working group. At the time, we did not
9 receive incredibly favorable feedback from -- our understanding
10 was from the developer community on that topic. That said,
11 we're always open to having that conversation and working on a
12 concept like that.

13 MS. HUNTINGTON: Thank you, Charlotte. You
14 anticipated my oral data request which is is the company aware,
15 and if so, could you provide, whether there are utilities in
16 other states that have that kind of a fee in jurisdictions
17 where utilities in other states, as we've heard, have already
18 moved forward with approaches where they would operate
19 operational control over the interconnecting projects to avoid
20 the need for costly upgrades?

21 MS. ANCEL: Yes. To date, we -- as -- so far as we
22 are aware that approach, that tariffed, approach has only been
23 adopted in Vermont subject to the company's -- by Green
24 Mountain Power subject to the company's last analysis of the
25 topic.

1 MS. HUNTINGTON: Thank you.

2 MR. BRYANT: Faith, can you shorten that ODR a little
3 bit? You kind of went on.

4 MS. HUNTINGTON: Okay, sorry. Could the company
5 provide any tariffed or other terms governing charges for
6 interconnecting projects related to systems that allow the
7 utility to exercise operational control?

8 MS. ANCEL: This is Charlotte Ancel. Yes, and, Eric,
9 may I just ask a clarifying question on that ODR to make sure
10 we answer it accurately? Thank you. Ms. Huntington, I just
11 want to make sure I understand. Your request is specific to
12 utilities that have enacted fixed fee or tariffed approaches
13 for interconnection contributions, not so broad -- as opposed
14 to a broader where -- request where we would effectively
15 provide our analysis of every utility's interconnecting tariff.
16 You're -- the question is specific to like a fixed fee
17 approach. Is that right?

18 MS. HUNTINGTON: That's fine. Yes, that -- thank
19 you, Charlotte. That would be great.

20 MS. ANCEL: Okay, thank you. Yes, we will do that.
21 Thank you.

22 MR. MANNING: and this is Bob Manning. And just to
23 add, you know, I mentioned our REV, reforming the energy
24 vision, demonstration project in New York. The -- that project
25 proposal included platform as a service fee that we were

1 modeling. Now that still is a demonstration project that is
2 ongoing. So we have implemented that not as a business as
3 usual but as a demonstration project in New York.

4 MR. BRYANT: Thanks, Ian. Thanks for your patience.
5 I'll turn it back to you now.

6 MR. BURNES: No problem. So -- and I'm conscious
7 I've probably taken more than my time here. So I'm going to go
8 quick. You said that there would be additional functionality
9 and that's part of your justification for putting the -- a
10 certain portion of this, the 1.7, into distribution plant. If
11 we were to move beyond curtailment of DERs as the
12 functionality, would there be additional costs or could you do
13 that at no cost?

14 MR. MANNING: Bob Manning. So there would be
15 configuration of the system, like setting the parameters and
16 integrating to whatever we're trying to integrate. Let's say
17 it's loads -- bless you -- EV charging, batteries, what have
18 you. Whatever asset we're trying to control could be building
19 electrification. There would be some integration costs there.
20 And then there would be configuration at the head-end system to
21 say, you know, at this level, do this, right? This is the
22 action we want taken. So there would be additional
23 configuration cost.

24 MR. BURNES: And if you -- do you plan on testing
25 that additional functionality, if this is approved as proposed?

1 MR. MANNING: So what we're proposing is to provide
2 quarterly updates to the Commission, and then after a year of
3 operation, we could have that discussion with the Commission.
4 It depends on how successful the pilot is. Do we want to scale
5 it and what functionality do we want to adopt going forward.

6 MR. BURNES: Okay, so you wouldn't add additional
7 functionality without asking for Commission approval?

8 MR. MANNING: Correct.

9 MR. BURNES: All right, Eric, I think that's it for
10 me. Thank you. Thank you to the panel for your thorough
11 answers.

12 MR. BRYANT: Okay. Thanks, Ian. So next will be
13 Competitive Energy Services and following that will be CLF and
14 following that will be staff. Go ahead, Eben.

15 MR. PERKINS: Thank you, Eric. Is the panel familiar
16 with ISO New England's Schedule 23? This is the small
17 generator interconnection procedures.

18 MR. MANNING: Bob Manning. Not intimately familiar,
19 but in general.

20 MR. PERKINS: Could you explain how Schedule 23 fits
21 into your interconnection process and procedures when, say, a
22 battery project come and ask for interconnection to operate in
23 parallel with the grid?

24 MR. MANNING: So I'm not intimately familiar with the
25 Chapter 324 of the Maine interconnection process. I don't know

1 if we have somebody available that can discuss the state --

2 MR. PERKINS: I see a number of the distribution
3 planning team in the background. Is it possible to bring up
4 maybe Chris Morin and or somebody else?

5 MR. MANNING: If Chris is willing to come up.

6 MR. PERKINS: Thank you, Chris. So let me repeat the
7 question. How does ISO New England Schedule 23 -- again, this
8 is small generator interconnection procedures. How does this
9 fit into how CMP runs its own interconnection process?

10 MR. MORIN: This is Chris Morin. There are separate
11 processes that we have. The 324 process, as Bob mentioned
12 before, we fall on the distribution side. Then those roll up
13 to a certain point where it triggers a cluster study for us,
14 and we do follow the 23 -- I think there's -- I forget the
15 other, is it 22 as well, 24? I guess a couple different
16 schedules there for different size projects. We do follow
17 those as closely as we can. We coordinate closely with ISO New
18 England throughout the cluster study process. The check-ins,
19 meetings as well.

20 MR. PERKINS: So I'm looking at -- this is -- and I'm
21 happy to provide this after the fact. This is Avangrid report,
22 biweekly report, on transmission system impact studies for
23 distributed generation interconnections dated November 4th,
24 2022. So these are the biweekly cluster study updates that you
25 issue publicly. It looks like the Trap Corner substation falls

1 within cluster ten. This is named Roxbury, Rumford, Woodstock.
2 So my question here is if you were to bring the Trap Corner
3 battery project forward with an interconnection application
4 today, do you agree that this would fall within cluster ten?

5 MR. MORIN: I'd have to confirm that.

6 MR. PERKINS: Schedule 23 defines generating facility
7 as an interconnection to customer's device for the production
8 and/or storage for later injection of electricity identified in
9 the interconnection request. So if one of these projects is
10 brought forward as part of a cluster, if it's identified to be
11 included in one of these clusters, say cluster ten, does CMP
12 believe that the Trap Corner battery would meet the definition
13 of a generating facility as is defined in Schedule 23?

14 MR. MORIN: This is Chris Morin. We would definitely
15 look at it on a case-by-case basis. I'd have to confirm that I
16 guess, but any generator coming onto the system, we'd have to
17 -- a non-wires alternative, for example, as well any of those
18 in-front-of-the-meter devices would had to be considered for
19 applicable interconnection standards.

20 MR. PERKINS: So I'd like to take an ODR here. And
21 the question is does CMP believe that the Trap Corner battery
22 system would meet the definition of a generating facility as is
23 defined in ISO New England, Schedule 23? That clear?

24 MS. TAYLOR: Yes. That's number 35.

25 MR. PERKINS: Thank you. That's all I had, Chris.

1 Thanks. So next question, does Iberdrola or Avangrid have an
2 ownership interest in any battery storage providers? And by
3 provider, I mean a non-regulated entity that offers battery
4 storage design, engineering, procurement, construction, or
5 operation services.

6 MS. KING: This is Rita. I do not believe so.
7 Subject to check, but I think no.

8 MR. PERKINS: So the answer is no?

9 MS. KING: This is Rita. Yes.

10 MS. ANCEL: This is Charlotte Ancel. Just building
11 on that, as Rita said, subject to check, but in the interest of
12 accuracy since you've also asked a question about our upstream
13 parent, we will take it -- if we could treat it as an ODR just
14 to make sure that we are fully comprehensive in our response.

15 MR. BRYANT: Yeah, I think that's a good idea.

16 MS. TAYLOR: Can you, please repeat the question?

17 MR. PERKINS: Does Iberdrola or Avangrid have an
18 ownership interest in any battery storage provider? By
19 provider, I mean a non-regulated entity that offers battery
20 storage design, engineering, procurement, construction, or
21 operations services.

22 MS. TAYLOR: Thank you.

23 MR. PERKINS: So in response to CES's data request 3-
24 001, CMP indicated that the company and Casco Bay Lines
25 voluntarily withdrew the request for approval for CMP to own a

1 behind-the-meter battery project at Casco Bay Lines' terminal
2 in Portland. This was in docket number 2021-00102. So CMP in
3 this response to our data request indicated that this decision
4 was based on stakeholder feedback and the present lack of
5 funding for the project from external grants. Please specify
6 what you mean by stakeholder feedback in a data request.

7 MR. MADER: Jim Mader. So we held a series of
8 meetings with -- CES was one of the stakeholders as you're
9 aware. And the feedback was that we were really -- the
10 stakeholders want us to pursue more of a rate design solution
11 versus a battery solution. And as well as from that project,
12 we also were committed to finding funding. I think we had
13 committed to 50 -- trying to find 50 percent or more. We had
14 many discussions with DOE trying to find specific funding for
15 an electric ferry, and at the time we had no luck. Now, as we
16 all know with the latest IJA (phonetic) and all the other
17 funding that's all there, the maybe something specific to
18 electric ferries. But at the time we didn't have any --
19 couldn't find anything that fit the bill.

20 MR. PERKINS: So by stakeholder feedback here in this
21 response to the data request, you don't include the comments
22 that were jointly filed by CES, Efficiency Maine Trust, the
23 Industrial Energy Consumers Group, or the Maine Renewable
24 Energy Association on June 8th, 2021, in the case?

25 MR. MADER: I' have to look at the comments to be

1 honest.

2 MR. PERKINS: So let's just talk through the timeline
3 of how we've gotten from that case to here. So May 2021, the
4 docket I just referenced, 2021-00102 got initiated. CMP filed
5 the request for approval to own the battery solution at Casco
6 Bay Lines. In November 2022, CMP withdrew the petition.
7 August 2022 CMP submitted its initial filing in this
8 proceeding. So between the time when the parties I just
9 mentioned jointly filed comments in the Casco Bay Lines docket
10 in June 2021, it's over a year to when CMP initially filed in
11 this case. I'm confused here about the prior references to
12 collaboration on this project with the intent to work with
13 stakeholders around these battery proposals. My question is
14 over that period between June 2021 and August 2022, did CMP
15 approach Efficiency Maine Trust or the OPA to discuss whether
16 each party had any concerns about the utility owning battery
17 solutions?

18 MR. MADER: Jim Mader. Yeah, so as we said in our
19 filing, we want to work with stakeholders should the Commission
20 decide that these projects, you know, could move forward. So I
21 believe the answer is no, we have not spoken about that
22 specific topic. We have -- we did incorporate, though, some of
23 the feedback from those discussions on Casco Bay about behind-
24 the-meter storage and decided that behind-the-meter storage --
25 we'd rather focus on front-of-the-meter storage which, you

1 know, may incorporate more into the utility system itself.

2 MR. PERKINS: So let me just confirm that. Prior to
3 developing and filing the proposal to own the Trap Corner
4 battery and the Woolwich battery, CMP had no discussions with
5 any of the intervenors in that Casco Bay Lines case around the
6 concern of utility battery ownership?

7 MS. ANCEL: This is Charlotte Ancel. If I could just
8 respond, Jim. So I can speak to my own experience speaking on
9 behalf of CMP. We have had dialogues certainly with Efficiency
10 Maine Trust, I have had dialogues with Efficiency Maine Trust,
11 on that topic. I'd like to speak to just amplify what Jim just
12 said on behalf of CMP. We did initially get involved in the
13 Casco Bay battery storage project because our understanding of
14 it was that there was an interest in helping to make the
15 project go forward. We did subsequently get feedback from the
16 stakeholders that Jim and Rita have described that aligned with
17 our overall policy view. And I can -- I'm, pleased to speak on
18 behalf of CMP and say we are not interested in owning behind-
19 the-meter storage. We don't think that that's a necessary
20 place for us to serve our customers. The Casco Bay experience
21 did help us to clarify, from a policy perspective, that view.
22 We do have an interest in some circumstances where there is a
23 direct grid benefit to own in-front-of-the-meter storage and
24 that grid. The battery storage would be -- in-front-of-the-
25 meter battery storage would be effectively the same thing as

1 other grid assets that we might use and would have direct grid
2 benefits to serve our customers. In some circumstances, we do
3 have an interest in exploring that, and that's reflective in
4 the Trap Corner battery project that you described.

5 MR. PERKINS: In response to Examiners 10-036, CMP
6 indicated that there was no review of non-BESS -- BESS being
7 the acronym for battery energy storage system. So there's no
8 review of non-BESS alternatives to the overload need at the
9 Trap Corner substation. Does this include examining the cost
10 of replacing the 3.45 MVA transformer at Trap Corner substation
11 to increase its nameplate capacity?

12 MR. MADER: Jim Mader again. Yeah, no, we did not
13 look at that cost yet. We -- as we indicated in the filing
14 that these are pilot projects, and typically running a cost
15 comparison for pilots doesn't tend to lend this up to very
16 positive BCA.

17 MR. PERKINS: So forget the pilot for a second,
18 though, just the cost of upgrading the transformer to address
19 the overload need. Not talking about batteries here. CMP
20 didn't look at the cost of replacing that transformer, that
21 hasn't been quantified to date?

22 MR. MADER: To date, no, it has not.

23 MR. PERKINS: And the upgraded capacity, the planned
24 nameplate capacity, of that upgraded transformer that hasn't
25 been quantified to date?

1 MR. MADER: I think it's subject to checks because
2 I'm not a hundred percent sure, but I don't believe it has.

3 MR. PERKINS: Same question for the Woolwich
4 substation. Has the cost of upgrading that substation
5 transformer been determined to date?

6 MR. MADER: Same response. No.

7 MR. PERKINS: All right.

8 MS. KING: This is Rita. Can I address that as well?
9 So while we have not costed out that traditional solution, as
10 Charlotte has mentioned, CMP does feel that going forward, if
11 we are going to be able to understand how energy storage is
12 going to impact and help address the transformation of the
13 system, we need to be able to have some direct hands-on
14 experience with the asset itself. And not in every case, but
15 in these two particular cases, we're looking at assets within
16 the substation that serves a specific, pretty, you know,
17 complementary type of use cases. And so the idea here was for
18 us to be within the bounds of these pilots, learn some lessons
19 for our field folks, for our planning folks, for our operations
20 folks, and to be able to understand this emerging technology
21 which, at some point in the future if we're going to meet
22 Maine's renewable and clean energy goals, we're going to need
23 to have a lot of energy storage on the system. And if we as
24 CMP don't understand how that asset works in tandem with the
25 rest of our system, it's going to be really hard for us to be

1 able to continue to supply safe and reliable service to our
2 customers.

3 And so you know, this is an opportunity for us to do
4 that. We looked for the type of integrated system asset to
5 propose a storage pilot so that we can start those lessons
6 learned. You know, I don't know how long it's going to take
7 for storage to take off on, you know, distribution systems, but
8 if we wait until we have a lot more storage on the system,
9 we've lost an opportunity to get ahead of that and to continue
10 to grow our learnings in this space. And so I just want to
11 make sure it's clear what we're trying to accomplish with these
12 pilots as opposed to maybe just the traditional solution which,
13 of course, we're also willing to -- you know, to look at.

14 And the other thing I'll mention about these pilot
15 programs is we're looking to explore if these are the sort of
16 threshold opportunities that the Commission is willing for CMP
17 to engage in, and we do see a storage as being very integrated
18 into the system going forward. You know, storage could be a
19 transformer for us, can be the type of asset that really has
20 day-to-day implications to our system. And so we're trying to
21 get some experience now before it becomes more impactful and
22 more costly for us to do that.

23 MR. PERKINS: In the course of developing either the
24 Woolwich battery proposal or the Trap Corner battery proposal,
25 did CMP engage any battery storage developers to ask the

1 question, if there was a third-party-owned battery providing
2 the same applications, why couldn't those technically provide
3 the same services if the battery owner offered to grant
4 control, direct control, through the ADMS system you're
5 developing under certain conditions? Did you have that
6 conversation with any battery storage developers?

7 MS. KING: This is Rita. No, we did not.

8 MR. PERKINS: All right. When was the last time CMP
9 communicated with the developers of the one-megawatt and the
10 two-and-a-half-megawatt solar projects being developed at Trap
11 Corner substation that were referenced in your testimony?

12 MR. MADER: Could you -- which question was that in
13 the --

14 MR. PERKINS: So there's a -- the test --

15 MR. MADER: No, I understand, but was it -- which
16 question did you submit that we could -- I could refer to to
17 check?

18 MR. PERKINS: Not referencing one of our data
19 requests here. Your testimony references one-megawatt solar
20 project under development at Trap Corner and a two-and-a-half-
21 megawatt solar project. When was the last time CMP
22 communicated with the owners of either -- or I'd say both of
23 those projects to confirm that those projects are still
24 proceeding?

25 MR. MADER: So I would have to check with our DG

1 folks. I'm not sure. I'm sure we've been communicating with
2 them back and forth on interconnection studies and what not,
3 but I don't know the exact date of the last communication.

4 MR. PERKINS: But this panel hasn't specifically had
5 a communication with them to ask, in light of rising costs,
6 cluster study concerns, other issues, that they're still
7 planning to proceed? So outside of just the interconnection
8 steps, has that broader communication happened?

9 MR. DES ROSIERS: Objection to form. If the question
10 is has the panels (sic) communicated, I think that's a fair
11 question for this panel.

12 MR. PERKINS: I thought that's what he asked --
13 that's what I asked.

14 MR. DES ROSIERS: I believe, if we review the record,
15 there were multiple questions in the last. So if you want to
16 clean it up and just ask the panel have they communicated, that
17 would -- they would be able to answer that.

18 MR. PERKINS: As this panel communicated -- so this
19 panel, have you communicated with the owner -- the project
20 developer of the one-megawatt project at Trap Corner and the
21 two-and-a-half-megawatt project at Trap Corner to confirm that
22 these projects still plan to proceed to construction?

23 MR. MADER: Jim Mader. No, we have not.

24 MR. PERKINS: Does CMP plan to install any telemetry
25 with the existing solar generation installed at the Woolwich

1 substation?

2 MR. MADER: Jim Mader again. We would certainly
3 consider that as part of the project, but there's no definitive
4 plans right now.

5 MR. PERKINS: Is there any proposed front-of-the-
6 meter solar currently in the interconnection queue at the
7 Woolwich substation?

8 MR. MADER: I -- so I'd have -- we'd have to check.

9 MR. PERKINS: Take that as an ODR, please.

10 MS. TAYLOR: So the question is there any --
11 currently any front-of-the-meter telemetry land at the Woolwich
12 substation?

13 MR. PERKINS: I'll restate it. So is there currently
14 any proposed front-of-the-meter solar that's seeking to
15 interconnect to the Woolwich substation that's in the
16 interconnection queue.

17 MS. TAYLOR: Thank you.

18 MR. PERKINS: Going to Trap Corner here and thinking
19 about the reliability concern that you're trying to address,
20 and this was detailed in the testimony. Let's say that
21 downstream of the Trap Corner substation, there is a tree-
22 related conductor outage or a wind-related conducted --
23 conductor outage on one of the feeders. Could the battery
24 still work in islanding mode if those -- if an outage like that
25 happened? Would it -- could it discharge into those feeders if

1 there is a downstream outage?

2 MR. MADER: Jim Mader again. So could it or would it
3 I guess is --

4 MR. PERKINS: Can it?

5 MR. MADER: Can it? Can it can discharge down into
6 -- so if there's a an outage on the circuit itself, a tree took
7 a conductor out of single phase, three phase, two phase, we
8 would put the proper protections in place to ensure that it
9 wouldn't -- you know, that conductor would not stay live with
10 the inverter-based battery system. So that's all -- that would
11 -- I just want to clarify too that would all be part of detail
12 design which we have not done yet with this project, but we
13 would consider all those scenarios as part of that.

14 MR. PERKINS: So from a standpoint of keeping
15 lineworkers safe, your operations procedures, the battery
16 cannot be allowed to discharge if there's a downstream outage?
17 While that downstream outage is in effect, you have to keep
18 that battery from discharging?

19 MR. MADER: Yeah, we would follow all our safety and
20 -- safety protocols to make sure that, you know, nothing was
21 energized that shouldn't be.

22 MR. PERKINS: So from a reliability standpoint, the
23 battery can only be used if there is an issue, an outage, an
24 unplanned outage, with the substation transformer or the
25 subtransmission feed serving Trap Corner substation. Is that

1 correct?

2 MR. MADER: Jim Mader again. So you're asking if
3 there's an outage with the transmission line or a problem with
4 the battery -- I'm sorry, a problem with the transformer, the
5 battery could only solve those issues? Is that -- I think --

6 MR. PERKINS: There's three types of outages here.
7 There's the subtransmission feed into the substation, there's
8 the substation transformer, and then there is an outage
9 downstream of this substation on one of those feeders. Is it
10 correct that the battery can only be used for the first two
11 outages, that it can't be used for the third category of
12 downstream outage?

13 MR. MADER: Oh. Jim Mader again. Yes, actually that
14 was in the testimony of the purpose of what the battery was
15 resolving.

16 MR. PERKINS: Great. So --

17 MR. DESROSIERS: This is Adam Desrosiers. Can I add
18 to that?

19 MR. PERKINS: , please.

20 MR. DESROSIERS: Over here. I don't -- I guess in
21 the situation you just described, I don't see a situation where
22 the battery would be necessary if the fault was downstream on
23 the distribution circuit because the substation transformer
24 would still be in service at that point and the downstream
25 protective device on the distribution circuit would have

1 cleared for that fault. So whether it's the battery or the
2 substation transformer, the customers ahead of that fault or
3 the head of the next protective device would still be -- still
4 have power.

5 MR. PERKINS: That's helpful, Adam. So just a
6 follow-up question on that. So this battery won't reduce -- or
7 if you're looking back in time, this can't reduce any outage
8 hours that occurred because of downstream outages?

9 MR. DESROSIERS: Not on the distribution circuits,
10 but if this battery was designed and programmed such that it
11 could essentially island that transformer in the case of a
12 subtransmission fault or a substation fault, to me there is
13 benefit there and being able to carry the distribution
14 circuits.

15 MR. PERKINS: Thank you, that's very helpful. I'm
16 going to move now -- okay? I'm going to move to the grid model
17 enhancement project. I'm assuming I can combine the 30 minutes
18 all together. So page 25 of this panel's testimony stated that
19 the GMEP, the acronym we're using here for the grid model
20 enhancement project, it has a capital cost of 12.58 million.
21 In response to CES's data request 3-019, CMP indicated that the
22 specific resources and cost needed to complete the field
23 connectivity survey have not been determined yet. So I'm a bit
24 confused. Does that 12 and a half million and change -- does
25 that include the field connectivity survey to clean up your

1 data or does it not?

2 MR. ALONSO: This is Miguel Alonso, the project
3 manager of the GMEP project. Yes, that estimate that we filed
4 includes the field survey.

5 MR. PERKINS: So how much of that 12 and a half
6 million is the field survey? And you can be approximate.

7 MR. ALONSO: So the project is right now in the
8 planning stage. So we don't have a breakdown specific of how
9 much is going to be the field survey and how much are going to
10 be everything else. It's subject to the procurement process
11 that it's planned and ongoing when we will be able to break
12 down those categories in a much further level of granularity.

13 MR. PERKINS: So in response to CES's data request 3-
14 020, the company indicated it first identified the need for a
15 comprehensive field connectivity survey during a similar effort
16 that was proposed in Avangrid's New York subsidiary rate cases
17 in 2019. Did CMP not conduct CYME studies for interconnection
18 applications prior to 2019?

19 MR. ALONSO: This is Miguel Alonso. As far as I
20 know, CMP has been conducting CYME studies for a long -- a
21 longer period than that.

22 MR. PERKINS: So for these studies that were
23 conducted before 2019, was the distribution data for those
24 feeders that were uploaded into the CYME model -- were those --
25 do they have clean data or --my understanding is this is a

1 systemwide issue.

2 MR. ALONSO: This is Miguel Alonso. It depends on
3 the specific issue that we're talking about, but
4 (indiscernible) may include if one of the items that is in
5 scope of the grid model enhancement project that we're going to
6 be filling in is, for instance, the customer to transformer
7 allocation and the phasing information, knowing which phase is
8 carried by each transformer. Those are data points that are
9 quite relevant for the CYME modeling that currently exist, but
10 as a result of the GMEP project, it's going to be more accurate
11 or it's going to be filling existing gaps that currently exist.

12 MR. PERKINS: Let me ask this a different way. So
13 the data request says -- the response says you identified this
14 data quality issue in 2019, but you've been conducting
15 distribution interconnection studies way before 2019. How do
16 you -- help me square those two items? It seems like a
17 distribution planner would have seen these issues prior to 2019
18 in the data.

19 MR. ALONSO: That is correct.

20 MR. PERKINS: Was there any discussion at CMP when
21 Governor Mills was elected in 2018 about the need to clean up
22 the distribution data in your system with Governor Mills', or
23 at the time Candidate Mills', proposed solar initiatives and
24 the impact those initiatives would have on interconnection
25 demands?

1 MS. ANCEL: Could we -- this is Charlotte Ancel.
2 Could we just huddle for a second to determine the right
3 witness to answer that question?

4 MR. PERKINS: , please.

5 MS. ANCEL: Thank you.

6 MS. MCDONOUGH: And while we do so, this is counsel
7 for CMP. Chris Morin has the answer to a previous ODR if you'd
8 like that.

9 MR. PERKINS: Sure.

10 MR. MORIN: This is Chris Morin. So, Eben, about
11 your question previously regarding ISO's Chapter -- Schedule 23
12 and Trap Corner. After reviewing quickly planning procedure
13 5-1, it would not require Schedule 23 review because it will be
14 operating not in parallel with the grid and it'll be a
15 microgrid. So disconnected from the actual system is when
16 it'll operate. But it's greater than one megawatt.

17 MR. PERKINS: I think the ODR was a separate question
18 than that, but that's a helpful response.

19 MR. MORIN: Was it?

20 MR. PERKINS: Yeah.

21 MR. BRYANT: I think the ODR referenced the
22 Commission's rule, not ISO's.

23 MS. TAYLOR: No, it referenced ISO's. What I have --
24 yeah, what I have is whether or not it meets the definition
25 under ISO Schedule 23.

1 MR. MORIN: All right, it --

2 MR. PERKINS: Thanks for looking.

3 MR. MORIN: It would not.

4 MR. PERKINS: Okay.

5 MR. BRYANT: So does that mean you don't need your
6 ODR?

7 MR. PERKINS: Is your -- did you just say no?

8 MR. MORIN: It would not require any analysis under
9 that.

10 MR. PERKINS: Still need the ODR.

11 MR. BRYANT: Okay.

12 MR. PERKINS: Yeah.

13 MR. BURNES: And I have a follow-up question for
14 that, if there's -- maybe why you guys huddle --

15 MR. BRYANT: Fire away.

16 MR. BURNES: -- I can ask Chris. Or actually, I
17 don't know. The fact that you're studying this only in
18 islanding mode, does that limit the number of scenarios that
19 you can test that we discussed during my testimony? I believe
20 there were multiple scenarios, many of which would require it
21 to be operating outside of islanding mode. Just wondering
22 whether the panel actually considered that in the pilot design.

23 MR. MADER: This is Jim Mader. Could you repeat the
24 question? Sorry.

25 MR. BURNES: When you looked at the scenarios that

1 you would be testing, including peak shaving, regulation,
2 energy markets, and reducing the peak loading of the
3 transformer, did you consider whether or not the battery would
4 operate outside of simply islanding mode? So it would be
5 actually operating in parallel with the grid?

6 MR. MADER: Yeah, I assume this is for the Trap
7 Corner station. So yes, the battery would be operating in
8 parallel. And then if there was an issue --

9 MR. BURNES: So, Chris, do you want to change your
10 answer?

11 MR. MADER: If there was an issue with the line on
12 the transformer, it would go into microgrid mode.

13 MR. BURNES: Sounds like it's operating as microgrid
14 and in parallel.

15 MR. MADER: If -- Jim Mader. If that was a question,
16 then yes, it would be operating in both.

17 MS. KING: This is Rita.

18 MR. BURNES: Chris, does that change your answer?

19 MR. MORIN: This is Chris Morin. So basically ISO
20 New England's planning procedure 5-1, anything greater than one
21 megawatt would require some level of analysis. That's not
22 running -- that is running in parallel with the grid. So if it
23 is running in parallel, it could require some analysis from ISO
24 New England. And for Woolwich, for example, it's less than one
25 megawatt. So nothing is required for Woolwich, even though it

1 will be peak shaving running in parallel. Trap Corner's doing
2 both, and it will require some coordination and most likely a
3 study from ISO New England.

4 MR. BURNES: Okay. Thank you.

5 MS. ANCEL: This is Charlotte Ancel on behalf of CMP.
6 To respond to Eben's earlier question that related to 2019 --
7 the company's approach in 2019 after the election of Governor
8 Mills, we would take that -- that is a question that is better
9 directed to the planning group and people who were specifically
10 in the company at that time. So we'd like to take that as an
11 ODR, please.

12 MR. PERKINS: Okay.

13 MR. BRYANT: We'll need that text for that ODR, Eben.

14 MR. PERKINS: Give me just one second. I need to
15 just frame this clearly. So for the ODR, the question is for
16 interconnection studies that were conducted prior to 2019, did
17 any of those studies, while the CYME model was being developed,
18 encounter distribution data quality issues?

19 MR. BRYANT: And CYME is an acronym, C Y M E?

20 MR. PERKINS: C Y M E, CYME. Good?

21 MR. BRYANT: Okay. Thanks.

22 MR. PERKINS: Who is ultimately responsible for the
23 quality of your distribution system data? And this could be at
24 CMP or Avangrid. Where does the buck stop?

25 MR. DES ROSIERS: -- directed to this panel or to the

1 company as a whole? Because I don't believe --

2 MR. PERKINS: To this panel, yeah.

3 MR. MADER: Jim Mader. Sorry, I didn't know you were
4 directing it to us. I think we would have to talk with folks
5 who do that specific task in the company.

6 MR. PERKINS: Can you specify what you mean by those
7 folks?

8 MS. KING: So this is Rita. The -- with respect to
9 the quality of the data of our distribution system, we actually
10 have a process that has joint ownership across many of the
11 business areas. And what I wanted to do was, if I could, go
12 back to the question you asked about prior to 2019 when we
13 identified the need for the comprehensive survey, how our
14 planners were executing some of the studies that were required.

15 MR. PERKINS: I'd prefer to keep the focus on this
16 question of responsibility, and I'll try to clarify a little
17 bit. My understanding, Adam Desrosiers oversees all of the
18 field operations team. Is that fair to say?

19 MS. KING: This is Rita. That's correct.

20 MR. PERKINS: So for these field workers, if they
21 have to change out a component on the system, recording that
22 data and making sure it gets back into the system correctly, is
23 the distribution system data quality -- is this Adam's
24 responsibility ultimately? If Joe is asking, you know, who's
25 responsible for this, is this Adam? Is it the head of Avangrid

1 information technology? Is it just a management person in a
2 separate department?

3 MS. KING: So this is Rita. As I mentioned, there's
4 joint ownership of the data. When you look at the process of
5 the data out in the field, yes, our field employees are
6 responsible for the data. Once that data comes into our
7 system, we have a number of different business owners that will
8 need to touch and use that data across that process. And so
9 there is a collective ownership of the data across the end-to-
10 end process.

11 MR. PERKINS: So is that collective ownership
12 formally documented in a data governance and quality plan at
13 the CMP or the Avangrid level?

14 MS. KING: This is Rita. My understanding, that's
15 something we are developing and working on.

16 MR. PERKINS: So it doesn't currently exist?

17 MS. KING: This is Rita. I do not believe so.

18 MR. PURINGTON: So this is Joe. So this -- depending
19 on the type of data that we're talking about there, but there's
20 processes in place from a design perspective when the field
21 planner goes out in the field to design the job, to look at the
22 data that's there. Also when we have -- when we're building
23 and constructing, the data that -- you know, the field planner
24 designs the job. The line crews go out. They may or may not
25 necessarily build per the design. They'll do an as-built

1 change. That as-built change will get entered into the SAP
2 system which will feed the GIS system. That's the process. We
3 can get a process flow chart for you on the data quality
4 management, but also I think when we get back to the data
5 quality question, is, I think as Alonso mentioned, the accuracy
6 in that process of getting, you know, transformer to a phase to
7 customer is -- we don't have that. We're not confident in that
8 data. And as we go through -- and there's a variety of
9 reasons. As we go through storms, we have a bunch of
10 contractors come in. If we replace 500 transformers, you know,
11 the accuracy of the records coming back in is not solid. So as
12 we go through this process, we'll go through and get the
13 accurate data, build our model, allow the control center to use
14 that to help manage the system operations, and improve the
15 process of how we manage that data. That's integral. The
16 speed of which those changes occur need to be, as I mentioned
17 earlier, upfront, especially when we have planned improvements
18 to the system so that the operating model is correct for our
19 operators. So it's a variety of -- that's why -- it's a
20 variety of avenues that the data gets, you know, validated.

21 MR. PERKINS: That's really helpful. So let me just
22 ask a follow-up question to that. If the Commission approves,
23 what is this, 12 and a half million, plus or minus, to clean up
24 this data, is there a formal plan in place that's already been
25 adopted and approved at the Avangrid level to ensure that this

1 data quality issue doesn't recur in the future?

2 MR. ALONSO: This is Miguel Alonso. Yes, part of
3 this project, of the GMEP project, involves not just capturing
4 information in the field and putting it back into our systems,
5 but also to identify and execute processes that are streamlined
6 that allow traceability and that ensure that we follow the
7 lifecycle of the asset and its data from its origination till
8 its end of life, and that along the way we've defined the
9 processes that involve several business areas to ensure that
10 the data stays accurate and reliable in the long term.

11 MR. PERKINS: When a distribution planner receives an
12 interconnection study request and they have to set up a CYME
13 model to run that interconnection study, if you have a project
14 proposed to interconnect on a feeder where you have this
15 distribution data quality issue, how many hours does it take on
16 average for a distribution planner to clean up that data, be
17 able to run the CYME model?

18 MR. ALONSO: This is Miguel Alonso.

19 MR. DES ROSIERS: (Indiscernible) the right person to
20 ask.

21 MR. ALONSO: That's what I was going to say. I'm not
22 a I'm not a field planner. I'm a distribution planner.

23 MR. PERKINS: No, no.

24 MR. ALONSO: So they can answer that directly since
25 (indiscernible) and they will.

1 MS. CULLEN: This is Kimberly Cullen. It honestly
2 varies depending on the circuit itself, but it can take upwards
3 of 8 to 16 hours to clean up the model.

4 MR. PERKINS: Is it okay to -- let me tell you --
5 tell me if you disagree with this. On average, cleaning up
6 data for an individual feeder takes 8 to 16 hours. So let's
7 pick 12 hours as the midpoint. Is that fair as an indicative
8 average

9 MS. CULLEN: Let's say 16 on average.

10 MR. PERKINS: Okay. And in -- since L.D. 1711 was
11 passed, has this manual data cleansing process had to occur for
12 every feeder in CMP's service territory?

13 MS. CULLEN: That is correct.

14 MR. PERKINS: I'm going to do a quick time check.
15 Okay, I go for five, ten more minutes?

16 MR. BRYANT: Five would be good.

17 MR. PERKINS: Five would be good. I will try to keep
18 it short. The advanced distribution management system, this
19 is, for an acronym, ADMS, I'm a little bit confused of where
20 you are in the process of implementing the ADMS system. And my
21 understanding when we say ADMS, I believe that's the same thing
22 as saying seam and spectrum (phonetic). Tell me if that's
23 incorrect. Where in the process are you in rolling out this
24 system?

25 MR. SADLER: This is Matt Sadler. So right now we're

1 in the process of implementing seam and spectrum. First, the
2 energy management system, so the SCADA piece of it, and then
3 the outage management system. And the ADMS is a build-on to
4 the outage management system, and that's still in the planning
5 stages to my knowledge right now.

6 MR. PERKINS: So there isn't an estimate right now of
7 timeline of when the ADMS system would be in place and
8 operational. Is that correct?

9 MR. SADLER: That's correct. I do not have one right
10 now.

11 MR. PERKINS: Is there a total cost estimate of what
12 the implementation of ADMS will cost ratepayers?

13 MR. SADLER: I don't have an estimate of that right
14 now either.

15 MR. PERKINS: This distribution system data quality
16 issue, how does it impede the functionality of the ADMS system
17 day-to-day for, you know, an operator under your supervision,
18 Matt?

19 MR. SADLER: Can you repeat the question, please?

20 MR. PERKINS: So if you think about what
21 functionality the ADMS provides to an operator, how does this
22 distribution data quality issue -- if you don't have good
23 distribution system data, including GIS data, how does that
24 impact the functionality of the system for an operator?

25 MR. SADLER: So part of the GMEP project, like you've

1 heard about earlier, is to clean up that data, and we are going
2 to need the data points as part of that project for the ADMS
3 because you have to have accurate data in the system to be able
4 perform load flows on the distribution. And that's -- so it's
5 critical. So it's going to follow the GMEP project.

6 MR. PERKINS: So is it fair to say that until the
7 GMEP project is complete, none of the ADMS functionality can be
8 utilized by an operator in the control center?

9 MR. SADLER: I think that's a fair assumption.

10 MR. PURINGTON: Yeah, this is Joe. So I might add,
11 Eben, that I'm not sure that none of the functionality would be
12 able to be used. It's going to be a question of different
13 aspects of the functionality and whether or not you --
14 obviously the data has to be accurate for you to feel
15 comfortable in letting it operate.

16 MR. PERKINS: Yeah.

17 MR. PURINGTON: And that -- I think that's your
18 point. And for us, again, that's another reason for doing this
19 GMEP project, to ensure that we get the right data accuracy and
20 we can use the ADMS as a -- feel confident in using it when
21 it's deployed.

22 MR. PERKINS: Okay. A few more questions here. I
23 know my time is running short. How was the Winslow Lakewood
24 cluster selected for the active network management pilot?

25 MR. MANNING: Bob Manning. So we've met with -- CMP

1 has met with the developers in that area, and there is an
2 interconnection agreement with each developer. And the plan is
3 to actually do manual curtailment during certain contingencies.
4 So I believe they're N-1-1 contingency. So if we have a
5 planned outage, taking a line out, a transformer out, or what
6 have you, and then we have that -- before that second
7 contingency occurs, we're going to disconnect certain DER
8 facilities. So the thought was you implement the active
9 network management pilot there, that would be an automated
10 process. And it would only be curtailed when needed, right? A
11 day like today that's mild, there's no -- not much heating or
12 cooling load, maybe we do not have to curtail those generators,
13 right? So the generators could stay on during an N-1
14 contingency.

15 MR. PERKINS: So was that meeting -- were you -- you
16 know, tell me if you disagree with this. It sounds like there
17 was a meeting with the developers in that cluster where you
18 sort of floated the idea of an A&M pilot. Was that same type
19 of meeting offered to developers in other clusters?

20 MR. MANNING: So I was not a participant in those
21 meetings. We do have regular meetings with the DER
22 stakeholders, and I believe one of the data requests we
23 provided a couple presentations that we've presented to the DER
24 stakeholders and A&M was mentioned to that. So I'm not sure if
25 it was offered to other cluster areas there. There was another

1 cluster area, and I don't have the name, that we said we may
2 look at potentially implementing A&M. Why the Lakewood Winslow
3 was selected, again we have a plan today where they can
4 interconnect, although it's a manual curtailment process that's
5 really not scalable if more and more clusters or more and more
6 DER assets come online that require curtailment. And then
7 there was another data request about what if the pilot fails.
8 So if the pilot fails, we have a plan in place today, right?
9 So we're not at impacting 66 megawatts of distributed
10 generation, right, that has invested to connect to the system.

11 MR. MORIN: This is Chris Morin. I could probably
12 add onto that a little bit, Eben. Just regarding your original
13 question about did we consider this for other clusters as well.
14 So we do have a third-party contractor that looks at a
15 challenge session to consider kind of outside-the-box
16 alternatives for these cluster studies, and they come up with
17 these scenarios for us as well, kind of on the developer's
18 behalf, if you will. It was considered for every cluster
19 study. Unfortunately right now during the ISO's requirements,
20 it's only under very certain conditions we can actually pursue
21 that. So for that one cluster study, in the Winslow, it was
22 driven from local contingencies on local system issues. If it
23 was a BESS contingency driving the issue, even a local system
24 ISO won't allow it because the tariffs don't allow us to do
25 that. So that's why Winslow is really the first one. We tried

1 the Stanford area, but it was a BESS contingency driving it.
2 So we got shot down by ISO New England. We do consider it for
3 every cluster study.

4 MR. PERKINS: Okay. Last question. I didn't see any
5 proposed changes to Chapter 324 in terms of basically
6 allocating this 2.2 million for the A&M pilot to ratepayers.
7 Is that something that's forthcoming? There were no proposed
8 revisions to Chapter 324 included in your testimony. Is that
9 fair to say?

10 MS. ANCEL: Yeah, I think our testimony speaks for
11 itself, and yes, there are no proposed amendments to Chapter
12 324 in our testimony.

13 MR. PERKINS: That's all I had.

14 MR. MANNING: And just to clarify it, the A&M pilot
15 cost was 1.7 million. You quoted 2.2 million.

16 MR. PERKINS: There was a 2025 cost of 450,000. So I
17 guess the -- adding those two together, what's the difference
18 between those two?

19 MR. MANNING: Okay, and that's contingent upon the
20 pilot being successful and moving forward.

21 MR. PERKINS: Okay. Those are all the questions I
22 had. Thank you.

23 MR. BRYANT: Thanks, Eben. I have a follow up. Has
24 the company looked at A&M projects for interconnection at the
25 34.5 kV level?

1 MR. MANNING: We have not. I mean, active network
2 management could be applied at -- oh, Bob Manning. It could be
3 applied at the distribution level or potentially the
4 transmission. I mean, we'd have to review the ISO New England
5 planning criteria to make sure that that is viable.

6 MR. BRYANT: Okay. Thanks. Okay. So thanks, Eben.
7 Next is Phelps Turner, Conservation Law Foundation. Go ahead,
8 Phelps.

9 MR. TURNER: Thanks, Eric. I want to turn the
10 panel's attention to page 16 of the testimony. This is where
11 you describe the Trap Corner project. On line 18 you mention
12 that the project will include installing associated microgrid
13 equipment. What does the CMP button mean by associated
14 microgrid equipment?

15 MR. MADER: Jim Mader. So that would include a
16 controller, potential switching devices in the field. It
17 depends on what the final design would be for the project, but
18 those type of devices would be included as part of the
19 microgrid equipment as we mentioned.

20 MR. TURNER: Okay. And would CMP update the
21 Commission in terms of what equipment ultimately it was going
22 in at the site location?

23 MR. MADER: Jim Mader again. Absolutely.

24 MR. TURNER: In developing this case, and in this
25 testimony in particular, how did CMP identify the Trap Corner

1 and Woolwich projects as the energy storage -- the pilot energy
2 storage project that it was going to advance here?

3 MR. MADER: Jim Mader again. I have to look. We
4 actually answered that question, I think, earlier in one of the
5 Examiners. But if you give me a second, I'll look it up for
6 you.

7 MR. TURNER: Thanks.

8 MR. MADER: Apologize for that. Jim Mader again.
9 Yeah, Examiners 10-35 where we walk through the process for
10 choosing the type those two particular stations.

11 MR. TURNER: Okay. Thank you.

12 MR. MADER: I can give you at a high level if you'd
13 like. We looked at the stations that have loading of 90
14 percent, thereabouts. We looked at the transformers at the
15 stations to make sure they were in good asset condition. We
16 didn't want to install energy storage at a station that we have
17 to replace the transformer in a couple of years anyways. And
18 we also looked at the reliability needs of those stations. So
19 at a high level, that was the approach. I believe in the --

20 MR. TURNER: Okay, thank you -- oh, I'm sorry, go
21 ahead. I see the reference to the attachment as well. Thank
22 you.

23 MR. MADER: Okay.

24 MR. TURNER: Is there anything else you want to add?

25 MR. MADER: No, I was just going to say we -- you

1 know, we looked at about -- in that attachment there's, I
2 think, ten stations in there that we looked at.

3 MR. TURNER: Okay. That's helpful. Turning to page
4 17 on -- starting on line six, the panel states, "This pilot
5 will demonstrate how the use of energy storage can be leveraged
6 as more DERs are connected to the system to develop green
7 microgrids to help improve resiliency. How -- and then it
8 continues on, but my question is about resiliency. How, during
9 this pilot, does CMP plan to measure impacts of the project on
10 resiliency?

11 MR. MADER: Jim Mader again. You know, off the top
12 of my head, it would be, you know, how long -- you know, for --
13 well, did the microgrid, you know, do its job, did it maintain
14 reliability and resiliency for the customers during the
15 appropriate amount of time as planned. And I don't know if we
16 would develop specific SAIDI/SAIFI type metrics for it, but
17 that's something we can consider. And we certainly look for
18 stakeholder input as to what we should be measuring as part of
19 that project.

20 MR. TURNER: And I know you said it was off the top
21 of your head. So today you haven't developed a set of metrics
22 for measuring performance at the at the Trap Corner project?

23 MR. MADER: Jim Mader again. At this time, now, we
24 haven't come up with specific measures.

25 MR. TURNER: Turning to the next page, page 18,

1 starting at line 12, the panel references -- or discusses
2 Maine's declaration of the policy on smart grid infrastructure,
3 and there's the citation in the footnote to Title 35-A, Section
4 3143. This reference is in a discussion about ownership, but
5 my question is somewhat different. It's more generally in
6 CMP's view, how did the proposals outlined in this panel's
7 testimony advance Maine's smart grid policy?

8 MS. KING: This is Rita. So I think I addressed it a
9 little bit in a previous response. I think when we think about
10 the types of impact that this emerging technology can have on
11 our system going forward, it's important for us to be able to
12 understand how storage assets are going to both impact our
13 system as well as be able to be used in order to help deliver
14 benefits to the grid and to our customers. And so I think just
15 at a high level, that's my response, being able to understand
16 the benefits and functionality of the -- of energy storage is
17 going to be important for us in order to advance the
18 transformation of the grid as well as clean energy goals that
19 we have here in the state.

20 MR. TURNER: Thanks. And I guess a follow up would
21 be do you think that the declaration of policy on smart grids
22 should be one of the criterion by which the Commission assesses
23 these projects -- or these proposals?

24 MS. KING: This is Rita. I think it's a
25 consideration.

1 MR. TURNER: Turning ahead to page 30, starting on
2 line 13, the testimony states, "The integration of large
3 numbers of DERs and electrification of loads is fundamentally
4 changing the way we need to plan and operate the distribution
5 system." To what extent will the proposals outlined in this
6 testimony allows CMP to meet anticipated needs of -- associated
7 with two-way power flows and associated with electrification?

8 MS. KING: So this is Rita. I think the proposals in
9 this filing that we've submitted are a starting point. They
10 allow us to think about electrification with our make ready
11 which, in many of the other states that we do business in --
12 across the country, actually the types of make-ready programs
13 that we've proposed are pretty common because they really
14 address one of the larger obstacles that we've heard from our
15 customers around EV adoption rate which is range anxiety. So
16 the make-ready programs really seek to further charging
17 infrastructure to help and directly address that type of
18 obstacle for electrification of transportation.

19 With respect to the two-way power flow, I think when
20 we think about GMEP and having the data that we need to be able
21 to use some of the other functionality within the systems that
22 we have within the company, that, again, is a starting point
23 for us to start to better understand how two-way power flows
24 are going to impact and what we need to do to continue to have
25 more DER deployed on our system. So, again, I think these

1 specific initiatives are a starting point.

2 MR. TURNER: Okay. Last question. I CMP's view, if
3 there were utility performance metrics associated with grid
4 modernization and technologies and metrics associated with
5 furtherance of energy and environmental policies by either
6 voluntary metrics developed by a utility or less voluntary
7 metrics developed by the Commission, would that help the
8 Commission and the parties assess the proposals in -- proposals
9 identified in this testimony?

10 MS. KING: So this is Rita. I believe that there are
11 metrics that, from a -- for some of the initiatives would be
12 appropriate. We have a number of metrics that we track in some
13 of the other jurisdictions where we have similar programs, and
14 I think those are probably translatable for the most part here
15 in Maine. And I think that metrics with respect to tracking
16 for performance of their programs, of course, that's very
17 appropriate. I'm not sure about performance metrics. I think
18 about, just as an example, if you think about transportation
19 electrification, there are probably some metrics that are
20 appropriate to track from a program performance perspective,
21 but I would caution on metrics such as customer adoption of EVs
22 because that's not directly within CMP's control. That
23 requires our customers, obviously, to take action. So I think
24 those metrics need to be carefully considered. And if we're
25 thinking about performance metrics versus tracking metrics, we

1 certainly want to have a conversation around what that
2 definition looks like, and certainly happy to talk to
3 stakeholders about metrics in general.

4 MR. TURNER: Okay, thanks to the panel. No further
5 questions at this time.

6 MR. BRYANT: Thank you, Phelps. Now the staff, I
7 think, has some questions for the panel. I know Greta does. I
8 know Commissioner Scully does, and I think you do.

9 MR. DAVIDSON: Yeah.

10 MR. BRYANT: Okay. I don't care who starts.

11 MS. HEIMGARTNER: Why don't I start? (Indiscernible)
12 my (indiscernible) down. This is regarding the Woolwich
13 battery and the Trap battery systems. Has CMP identified
14 systems to communicate with those batteries, such as, you know,
15 at their ECC and how that process would be done?

16 MR. MADER: Jim Mader. It's a good question. So are
17 you kind of thinking, like, real-time data, performance of the
18 battery, is the battery on or off, state of charge, etc., like
19 that? So we would incorporate that into our existing processes
20 and systems, and to the extent that we would need to make
21 modifications, I would assume we would make modifications. I
22 will say I'm not an expert in what we have for the current
23 SCADA system. Yeah -- so, yeah, that's --

24 MS. HEIMGARTNER: So given the fact that the battery
25 -- the batteries have not been purchased or even designed yet,

1 you haven't thought about that, an interconnection
2 communication process? Because there will be software issues.

3 MR. MADER: No, good question, and that would
4 actually be all scoped out in the RFP and the detailed design
5 aspect of the project. So we would make sure that, you know,
6 whatever communications protocols we would use, the system that
7 we would use to communicate back and forth, would all be
8 included as part of that effort.

9 MS. HEIMGARTNER: Exhibit CIP-2, page five of five,
10 you have money being spent in -- significant amount of money
11 being spent in 2023 and 2024. Is -- this has not even been
12 scoped and designed, let alone purchased. How could you spend
13 all that money in 2020?

14 MR. MADER: Jim Mader again. Yeah, so what we did
15 was, based on our experience with spending of projects, we --
16 as I think we mentioned in one of the earlier days, we did the
17 pilots up in New York. We estimated a spend about 70 percent
18 upfront and then 30 percent on the back side. So -- and we
19 figured about 18 months to develop the projects. So we used
20 the estimated cost and then just kind of split the money up
21 based on that kind of allocation. And then once we finalize
22 the scope and we go out for bid and get more firm pricing,
23 we'll then refine that estimate and that estimate spread
24 accordingly.

25 MS. HEIMGARTNER: Okay. Thank you.

1 MR. SCULLY: I'm going to beat on the battery horse
2 as well with a couple of questions if I could. With respect to
3 Trap Corner, my understanding is that this could address
4 potentially two different issues. One relates to backup in the
5 event of an N-1 kind of contingency, and the other relates to
6 the overload on the transformer. I'm assuming that the likely
7 solutions to the backup question, in the absence of this
8 project, would be some kind of a cross connection, or whatever
9 the right term is, to another substation. Is that fair?

10 MR. MADER: Jim Mader again. Yes, it would be
11 circuit ties which there currently are none.

12 MR. SCULLY: And the company is proposing circuit
13 ties -- the implementation of circuit ties as a part of its
14 overall capital improvement plan. Is that right?

15 MR. MADER: Jim Mader again. Good question. I'm not
16 sure if that particular station --

17 MR. SCULLY: I'm not looking at you. I'm looking at
18 -- that's really a separate question. I really meant in
19 general.

20 MR. PURINGTON: Yeah. Yes. Joe again.

21 MR. SCULLY: Okay. And -- but I take it that the
22 company doesn't currently plan, within the three years of this
23 proposed rate plan, to institute a circuit tie at this
24 particular location. Is that correct?

25 MR. MORIN: This is Chris Morin. I can take that,

1 answer that question. So Trap Corner was selected for the
2 microgrid mainly because of its remote location. There's not
3 many sources nearby at all. So getting a circuit tie would be
4 very expensive. So we thought it'd be a great location for a
5 microgrid pilot.

6 MR. SCULLY: Okay. And you don't have, in the
7 current case, a proposal to replace or upgrade the transformer
8 at Trap Corner or the transformer at Woolwich. Is that right?
9 That's not in the case currently?

10 MR. DESROSIERS: This is Adam Desrosiers. No,
11 there's no plans. At this point, those transformers are not
12 overloaded. They're at 90 percent of nameplate.

13 MR. SCULLY: Okay. And in the event that the pilots
14 don't happen, would it be your intention to rejigger your
15 capital plan and replace those transformers within the three-
16 year period of this rate plan?

17 MR. DESROSIERS: We would only do that if they became
18 overloaded.

19 MR. SCULLY: And they're not currently?

20 MR. DESROSIERS: That's correct.

21 MR. SCULLY: And do you project them to be overloaded
22 in the three-year period? To the extent you have projected
23 that at all?

24 MR. DESROSIERS: No, we do not.

25 MR. SCULLY: So even in the absence of a -- of these

1 pilots, replacing the transformers would not be necessary, in
2 your view, during the three-year rate period in order to
3 continue to be able to provide reliable service. Is that fair?

4 MR. DESROSIERS: This is Adam. That's correct. Only
5 if the transformers failed for another reason but not due to
6 the overload concern.

7 MR. SCULLY: Thank you I just had one other question,
8 and this goes to Rita I believe. You've answered this a couple
9 of different times with respect to the battery of pilot, and
10 what I've heard you say in response to a variety of questions
11 is it's really important for us to get some information about
12 how these things work, how they interact with the distribution
13 system given that we think that this is the wave of the future
14 and it is going to impact CMP's system. What I don't yet
15 understand is if a third party not only designed, developed,
16 and built it but owned it subject to your control, why could
17 you not still obtain the same information that you think is
18 important for the company to obtain?

19 MS. KING: This is Rita. We certainly could get that
20 information. I liken it a little bit to giving somebody a fish
21 versus teaching them how to fish. And in many instances, and I
22 think I've answered this before, we're just looking at limited
23 circumstances for CMP ownership. We absolutely think third-
24 party ownership of storage is something that we're looking at
25 today. We are forecasting having some storage interconnected

1 onto our system, and, in the future, I think that there's going
2 to be hybrid types of ownership models. One of the benefits, I
3 think, to third-party ownership, and I know we're going to
4 rebut this, but I'll just say it quickly to answer your
5 question, is that when you think about third-party ownership,
6 we do it through a contract. And some of our experience with
7 our pilots in other jurisdictions indicates that we don't have
8 as much flexibility. So while we may think today we have a
9 good sense of what the use cases are and what we're looking to
10 accomplish going forward, things change, right? Our system is
11 dynamic and we may want to explore other types of use cases
12 with that same asset. If you have to go back and open a
13 contract, you know, you may be paying more for that same
14 service, and we also need to think a little bit about that
15 data, how it gets integrated into our system. And, you know,
16 those are all the types of issues that today we don't have any
17 historical experience with and, you know, we're trying to move
18 forward and get some of that hands-on experience with.

19 MR. SCULLY: Okay. So with respect to your metaphor
20 about the fish, I'm assuming that the value of learning to fish
21 as opposed to being handed a fish is if you intend to do more
22 fishing in the future. Is that fair?

23 MS. KING: This is Rita. I think that you want to do
24 more fishing in the future, but you also can build on some of
25 those lessons that you've learned with learning how to fish.

1 MR. SCULLY: Thank you. Thanks very much. Go ahead.

2 MR. BARTLETT: I had a couple of questions going back
3 to the make-ready program. So I just want to -- part, I want
4 to make sure I understand it, that what we're talking about
5 with those make-ready charges, they're charges that are
6 currently paid for by whoever's installing the charger. Is
7 that right?

8 MR. BOCHENEK: Scott Bochenek. Yes, that's correct.

9 MR. BARTLETT: And so in this proposal, the theory is
10 by essentially providing the credit for that or paying for
11 that, it makes it easier for the owner to -- it makes it easier
12 to get these installed, less expensive, and benefits the entire
13 system?

14 MR. BOCHENEK: Scott Bochenek. Yes, that's correct.
15 The idea is that by providing an incentive, developers or other
16 customers will install more EV chargers than they would
17 otherwise without the incentives.

18 MR. BARTLETT: And that provides a benefit by -- in
19 terms of bringing on additional load to spread out costs and so
20 forth, right?

21 MR. BOCHENEK: I can't confirm that. This is Scott
22 Bochenek.

23 MS. ANCEL: This is Charlotte Ancel. That is
24 correct, Chair Bartlett.

25 MR. BARTLETT: And so part of the justification for

1 ratepayers paying for this more broadly is because if you bring
2 on more load, you're spreading your fixed costs across more
3 customers. Is that --

4 MS. ANCEL: So that is correct, Chair. There are
5 certain limitations to that proposition. So, for example, if
6 the electric vehicle chargers were placed in areas that were
7 not compatible and made use of existing capacity on the grid,
8 that principle could be eroded. But directionally, yes.

9 MR. BARTLETT: Is the program limited to those places
10 where there is additional capacity or would it be available
11 even in places where there weren't -- there wasn't that
12 capacity?

13 MR. BOCHENEK: It would be available to -- this is
14 Scott Bochenek. It would be available to all places.

15 MR. BARTLETT: And in terms of the cost recovery, I
16 mean, you're talking about the capital tracker, and so this is
17 -- you're essentially taking these costs and moving them into
18 rate base. Is that right?

19 MR. BOCHENEK: This is Scott Bochenek. Yes, that's
20 correct. Sorry, I just want to clarify that to the extent that
21 the tracker -- I don't believe it would be in the rate base
22 until the costs are spent and then begin to be recovered.

23 MR. BARTLETT: Right. And so I guess a question
24 which may go to the policy panel is what's the justification
25 for that, for moving these costs from the customer who is

1 installing the charger to rate base? I understand the
2 justification for the customers at large paying for it. What I
3 don't understand is why that -- it would go into rate base as
4 opposed to being directly expensed.

5 MS. ANCEL: I thank you for the clarification. The
6 costs are -- the company is absorbing capital costs and putting
7 them into rate base. So it's the capital cost of the in-front-
8 of-the-meter line extension. And so they are given a
9 capitalized treatment and, for that reason, included in rate
10 base.

11 MR. BARTLETT: But if the customer pays for it, it
12 wouldn't be going into rate base?

13 MS. ANCEL: That's correct because it's -- yes.

14 MR. BARTLETT: Would the -- does the company still
15 think it would be worthwhile to provide these incentives if it
16 was not going to rate base but instead were directly expensed?
17 So as a pass through cost on the operating side.

18 MR. COHEN: This is Peter Cohen. In this instance,
19 it wasn't -- if it wasn't a capital cost and was treated as
20 expense, then it would be fine.

21 MR. BARTLETT: Okay, so the company feels it's worth
22 going forward regardless?

23 MR. COHEN: Yeah, (indiscernible).

24 MR. BARTLETT: Did you explore it all whether some of
25 these costs could be recovered through sort of the rate design

1 for the charger itself? You know, for example, looking at
2 recovering that cost through part of your fixed charge over ten
3 years or something like that.

4 MS. ANCEL: We have not expressly considered that
5 Chair Bartlett. We have seen that happen in other states, the
6 idea being that the increased revenues from the chargers would
7 cover their costs. That has not been -- as -- and Mr. Bochenek
8 could speak to it further. As I understand it, that has not
9 been a leading policy way to advance electric vehicles because
10 of the decoupling of revenues and earnings in most states,
11 meaning that there's a full reconciliation to the extent
12 there's a differentiation in sales.

13 MR. BOCHENEK: This is Scott Bochenek. Just one
14 other thing to point out is that generally, some of the usage
15 on the publicly-available chargers by themselves might not
16 account for all of the increased kilowatt hours from electric
17 vehicles. We still think the majority of charging is going to
18 be done at home and that's where a lot of the additional
19 kilowatt hours would be would be used. But having chargers
20 available publicly will help in, you know, people be
21 comfortable with purchasing electric vehicles. And also just
22 to point out that -- I think I have this number correct, that
23 when we think about the make-ready concept broadly and what's
24 happening in other places, there are, to my knowledge, 16 other
25 states and -- that account for 27 utilities that are also

1 implementing similar make-ready programs. And in many cases
2 the incentives that are being offered would extend beyond just
3 the utility-side and also for customer-side electrical
4 infrastructure.

5 MR. BARTLETT: Thank you.

6 MR. SIMMONS: I wanted to follow that one up. Of
7 those -- you said 27 -- 16 states, 27 utilities. Is that --

8 MR. BOCHENEK: Yeah, that's the number according to
9 the Atlas EV Hub.

10 MR. SIMMONS: Okay. And do you have any idea how
11 many of those 16 states have efficiency agencies that also
12 incent EVs?

13 MR. BOCHENEK: I do not.

14 MR. SIMMONS: So I had a question about the electric
15 school bus chargers. Your proposal's for 300 new school bus
16 chargers. How was that projection developed?

17 MR. BOCHENEK: It was a based on a general assumption
18 that roughly eight to ten percent of the school buses will turn
19 over every year and that at the end of the three-year period,
20 there would be 20 percent -- a potential for 20 percent of the
21 current bus fleet to convert to electric buses. It's -- one
22 other thing to that, I think it's an aggressive view that that
23 many buses will electrify in the next three years, but we know
24 that there's significant federal money that's being spent to
25 help support school districts converting to electric buses. So

1 we think that initially that's going to prompt a wave of
2 interest, and by having these additional incentives, it'll help
3 convince school districts to make that choice.

4 MR. SIMMONS: And did the federal funding that's
5 available, did that inform the 300 electric school bus
6 projection?

7 MR. BOCHENEK: It led us to believe that there will
8 be a potential for a higher level adoption that would have --
9 than there would have been without the federal funding.

10 MR. SIMMONS: And are you aware that the EPA has
11 awarded the first round of -- or the round of funding?

12 MR. BOCHENEK: Yes, I am.

13 MR. SIMMONS: And is the awards for the Maine school
14 districts, does that change the projections at all?

15 MR. BOCHENEK: This is Scott Bochenek. It does not
16 at this time.

17 MR. SIMMONS: Thank you.

18 MS. HEALY: Turning back to the batteries. Of the --
19 I guess I'll ask of the two panels sitting here right now. Is
20 anyone familiar with Emera Maine's previously-proposed Hampden
21 microgrid project, docket number 2017-0027?

22 MR. MADER: Jim Mader. only anecdotally.

23 MS. HEALY: Do you draw any distinctions between what
24 Emera Maine had proposed in that case and the battery microgrid
25 solutions that you've proposed here?

1 MR. MADER: I'd need --

2 MS. HEALY: I'm not asking for a legal analysis.

3 I'll -- I'm just asking sort of from an operational perspective
4 or --

5 MR. MADER: Yeah, unfortunately, I'd have to look at
6 the proposal and say and then answer. I'm not, like, up to
7 speed on what exactly they were doing with the -- with that
8 project.

9 MS. HEALY: I'll just ask an ODR for whether CMP
10 draws any distinctions between the two battery projects
11 proposed here and the project proposed by a Emera Maine in
12 docket number 2017-00027.

13 MR. DES ROSIERS: And, Nora, if I may, I'm assuming
14 that the intention is on sort of an operational or the
15 objectives of the project as opposed to regulatory or legal
16 ratemaking and related issues that are a distinction --

17 MS. HEALY: That will, I'm sure, be briefed later.
18 So, yes, from an operational perspective.

19 MR. DES ROSIERS: (Indiscernible) really lousy at
20 answering data requests. So that's why I --

21 MR. BRYANT: So we're going to break for lunch in a
22 couple of minutes. Let me ask parties, non -- parties who have
23 not yet asked questions of this panel, meaning those parties
24 who did not set aside time to ask questions, whether you
25 believe so far you have any follow-up questions based on what

1 you've been hearing. Let me turn to the OPA. You think you
2 have any follow ups? Okay. I don't know who else has -- I
3 think everybody else has asked a question. Let me ask just,
4 Melissa Horne, whether you have any follow ups. I'm just
5 trying to get a sense of how much time we have to take.

6 MS. HORNE: Thank you, Eric. I don't have any follow
7 ups.

8 MR. BRYANT: Okay. So why don't you go ahead and ask
9 (indiscernible) take a break?

10 MS. HEALY: Sure. This is sort of a one off, but in
11 the written testimony on page 27, you talk about some of the
12 grants that you award in partnership, I think, with UMaine,
13 research-related grants of 75,000 to 150,000.

14 MR. SULLIVAN: This is Sean Sullivan. We haven't
15 awarded those grants yet. Those are in the proposal for grant
16 awards to collaborate with UMaine or other academic
17 institutions for potential research studies (indiscernible)
18 innovation pilots.

19 MS. HEALY: Okay, and how many of those grants are
20 you proposing? I take it from the testimony a single grant
21 would be between 75,000 and 150,000, but it references plural
22 grants.

23 MR. SULLIVAN: That's accurate. It would be between
24 75 and \$150,000. It would depend on the topic, the targeted
25 solution that we're aiming at at that time. There may be

1 multiple, but it wouldn't be more than two.

2 MS. HEALY: Wouldn't be more than two?

3 MR. SULLIVAN: Yeah.

4 MS. HEALY: Thanks.

5 MR. BRYANT: One more question before the break, and
6 that comes from Faith as a follow up on questions that the
7 Chairman asked.

8 MS. HUNTINGTON: This is a follow up to Chair
9 Bartlett's question on the ratemaking treatment of the make-
10 ready work incentives. If there were additional funding to be
11 provided for EV support and that money were funneled through
12 Efficiency Maine rather than per the company's proposal, would
13 that accomplish the ratemaking goal of having these amounts be
14 reflected as an expense rather than in rate base?

15 MR. COHEN: I think -- this is Peter Cohen. I
16 believe that's correct.

17 MS. HUNTINGTON: Thank you.

18 MR. BRYANT: Okay. And you still have some more
19 questions, right, Nora? So when we come back --

20 MS. HEALY: (Indiscernible).

21 MR. BRYANT: Okay. So let's plan on this panel being
22 here when we come back. We'll let you know when we come in the
23 room whether that's necessary. Following that, we'll move to
24 the operations panel, then the vegetation management panel,
25 then the revenue requirement panel. I think we're going to

1 make it under the gun -- under the wire. It depends on --
2 you've all been very cooperative this morning based on what I
3 said, I appreciate it. I think we're going to be okay, but
4 let's stay efficient as we move through the afternoon.

5 MR. TURNER: Eric, quick on that note, I just wanted
6 to say we reviewed our notes and are not going to have direct
7 questions for the operations panel but reserve the right for
8 follow up. So maybe that'll save some time.

9 MR. BRYANT: That's helpful. Thank you. Okay, let's
10 come back at 1:30.

11 CONFERENCE RECESSED (November 10, 2022, 12:26 p.m.)

12 CONFERENCE RESUMED (November 10, 2022, 1:30 p.m.)

13 MR. BRYANT: We have determined that we're finished
14 with our questions for the grid mod panel, and I polled the
15 other parties just before we left for lunch and no one else had
16 questions. So they have retired. They're still in the room, I
17 believe. Or did they leave? Okay. Well, they're gone.
18 They're gone. So we are going to start with the -- in the
19 afternoon with the operations panel. They're now sitting in
20 place, and I guess let's do what we've done. Starting with
21 Adam, please state your name and go down the line.

22 MR. DESROSIERS: Adam Desrosiers, CMP.

23 MS. THERRIAULT: Kerri Therriault, CMP.

24 MR. THERRIAULT: Kevin Therriault, CMP.

25 MR. SADLER: Matt Sadler, CMP.

1 MR. COTA: Nathan Cota, CMP.

2 MS. MANENDE: Katie Manende, CMP.

3 MR. BROWN: Art Brown, CMP.

4 MR. BRYANT: Okay. And you are all under oath,
5 correct? Hearing no reply, then, yes, you are all under oath.
6 So let me start off here. This -- I know who's going to answer
7 this because it's a question about automation. So in your
8 testimony, it's -- just so you know, it's on page 29 and 30,
9 but the company says it's starting in Alfred. And I know there
10 were some questions on this either yesterday or day before, I
11 think, from Michael Simmons. And if this has been answered, I
12 apologize, but why is the company doing it by service area
13 instead of by the areas that are the worst performing areas?
14 And maybe they're the same, but can people generally address
15 that question?

16 MR. DESROSIERS: I'll start and Joe can finish. This
17 is Adam Desrosiers. So when we looked at how we would approach
18 automation, we -- it was a couple of considerations that went
19 in. The first one was starting with the worst performing
20 service center which is Alfred.

21 MR. BRYANT: Okay.

22 The second piece was considering where we were
23 planning to go with our energy control center and centralized
24 operation, it made sense to do an entire service center at one
25 time and convert that service center over to centralized

1 control at the same time so that when the operator is operating
2 in that service center from the ECC, it's consistent policy and
3 practices across the service center, both from the ECC
4 perspective and also from the field crew perspective.

5 MR. BRYANT: Okay. So in other words -- is the
6 energy control center being set up in such a way that you can
7 only add a division at a time?

8 MR. DESROSIERS: Not necessarily, but it would --
9 it's the most efficient model, in our opinion, to do so, when
10 we transition to centralized control is to do it by service
11 center so that you're being consistent with how you're
12 operating the system in that service center. And it's not
13 necessarily by circuit. It's more at the service center level.

14 MR. BRYANT: My understanding -- and did you have
15 anything to add, Joe?

16 MR. PURINGTON: Thanks. This is Joe. So I would
17 just add it's really about organizational change management as
18 well, you know, because again, as I mentioned previously, the
19 field right now has jurisdiction over these devices. So when
20 they go out to restore and repair, if it's a SCADA control
21 device, they'll call into the control center, the control
22 center, will operate it for it -- for them. In the future, as
23 you start to set up automation and you get enough penetration
24 with automation, it's not just during an outage that the field
25 dictates to the control center what's going to be opened or

1 closed. The control center is dictating to the field what's
2 open and closed. So it's just, from an organizational change
3 management perspective, a lot easier to implement
4 geographically by worst performing region from a system
5 perspective.

6 MR. BRYANT: Okay, if -- thank you. If CMP --
7 according to the plan laid out in your testimony, when will --
8 and assuming you get the resources you need, when would the
9 automation of your entire system be completed? The year 2030
10 sticks in my mind for some reason. I'm not sure why.

11 MR. DESROSIERS: Yeah, there's a data request on
12 that. I believe it's 2031 is when we would be complete with
13 the 2,000 or so devices that we proposed.

14 MR. BRYANT: Okay. When do you expect the energy
15 control center to go into operation with regard to
16 distribution?

17 MR. DESROSIERS: As early as next year is our plan.
18 Our -- like, I think, Matt had described yesterday, we've
19 already hired the operators that we would need to move to a
20 centralized model. We're going to be working on building
21 policies and procedures to support that centralized model. And
22 as soon as we have enough automation in one division, we'll
23 transition to that model in, for instance, in Alfred first.

24 MR. BRYANT: So the buildout of automation in Alfred
25 is the trigger for converting for converting -- for how the ECC

1 is going to be changed to distribution?

2 MR. DESROSIERS: In my opinion, it would make it much
3 cleaner to have all that automation and do the transition at
4 the same time. We could essentially do it earlier than that,
5 and there might be areas where we choose to move to a
6 centralized control earlier than having all the automation in
7 place. But I think from the change management that Joe
8 described and really changing the way we operate with the crews
9 on a day-to-day basis, doing it once the automation is in place
10 is makes the most sense.

11 MR. BRYANT: So a couple more questions on the ECC.
12 And I'm going to be look -- Examiners 6-4 and Examiners 6-5.
13 6-4 we asked for whether CMP had done studies about the cost
14 effectiveness of the OMS or the ECC. And the response was that
15 based on the cost effectiveness of the investments in the ONS
16 for CMP's -- OMS for CMP's affiliates, we expect there to be
17 strategic shavings -- savings, etc. I didn't copy the whole
18 answer in here. Does the answer only go to OMS or did you also
19 answer for an ECC -- on an EC perspective?

20 MR. DESROSIERS: I'm not sure I completely understand
21 the question.

22 MR. BRYANT: Okay. The data request asked for a
23 cost-effectiveness analysis for OMS and for ECC. The answer, I
24 believe, only refers to OMS and it refers to the cost
25 effectiveness that your affiliates have claimed to have.

1 MR. SADLER: And that's in reference -- sorry, this
2 is Matt. That's in reference to EXM 6-4?

3 MR. BRYANT: Examiners 6-4, yeah. Well, let me just
4 ask this. Has the company done cost benefit or cost-
5 effectiveness analysis that -- in writing that it can produce
6 for the energy control center's transition to distribution?

7 MR. SADLER: You know, the transition to a
8 centralized control model is really about reliability for the
9 customers. You know, I think in the response we mentioned the
10 reliability improvements we've seen in Spain, for example, and
11 we also -- have some of our sister companies in the U.S. have a
12 centralized control model. The efficiency gain that we
13 mentioned, you know -- so centralized control is going to allow
14 us to leverage the automation that we put in place and restore
15 customers quicker and have a smaller -- less customers impacted
16 per outage. And the efficiencies that we can gain are -- you
17 know, we still have to have outages repaired in the field.
18 We're going to have more automated devices that need to be
19 maintained. So it's not going to provide a savings in field
20 worker FTEs, but we do have seam and spectrum in our New York
21 operating companies, and so we're able to leverage our New York
22 resources for training for support repair of the system. We
23 can take their procedures and modify them to work for us here
24 in Maine. So those are the types of savings that we see from
25 the implementation.

1 MR. BRYANT: Let me see if I understand your answer.
2 First of all, there's no written study because you didn't say
3 there was.

4 MR. SADLER: Correct. I do not have one.

5 MR. PURINGTON: Yeah, can I further elaborate?

6 MR. BRYANT: Well, let me follow up on what he said.
7 So no written study. So -- and you also said that there won't
8 be savings from a FTE point of view by moving the control to
9 the control center. You still need the lineman out in the
10 field.

11 MR. SADLER: That's correct.

12 MR. BRYANT: The other types of savings that I can
13 think of, and I'm not an engineer, for such a change in how the
14 company does its business would be quicker restoration of
15 outages and better reliability.

16 MR. SADLER: Absolutely.

17 MR. BRYANT: But you have not studied that in any
18 quantitative way. Instead you refer to your affiliates.

19 MR. SADLER: Yes, our affiliates have seen -- I'm
20 sorry, this is Matt -- a substantial gain in reliability
21 through the implementation of the system.

22 MR. BRYANT: Can --

23 MR. SADLER: Centralized control.

24 MR. BRYANT: Sorry. Can the company provide
25 information from its affiliates, preferably from its

1 affiliates' regulators that back up what you just said?

2 MR. SADLER: We -- so this is Matt. We did include
3 in the data response that -- well, that's for automated grid
4 recovery, but the combination of these systems that were
5 implemented in Spain, yes, we can provide that that data I
6 believe.

7 MR. BRYANT: So you reference Spain. You're not
8 looking to any of your New York or Connecticut affiliates for
9 this type of information?

10 MR. SADLER: Yes, we are. They do track it in New
11 York.

12 MR. BRYANT: Okay. So let me see if I can get this
13 data request -- this ODR right. Please provide any written
14 reports or analysis from any CMP operating company affiliate,
15 or at least about an operating company affiliate that shows the
16 cost effectiveness of an energy control center such as -- or
17 the changes to an energy controls energy such as CMP is
18 proposing. And this is a reference to the -- Examiners 6-4,
19 the response to that. And I guess I'll say the same thing.
20 You can add this to that question for OMS and for the ECC.
21 Make sure you've got that. Yeah? So, Joe, you wanted to add
22 something?

23 MR. PURINGTON: Yeah, thanks. This is Joe again. So
24 when we think about, you know, the model that we're moving to,
25 there's really no choice. As the grid is evolving, all of this

1 DER penetration, if you're thinking about the technology that
2 we're installing on the system, I -- you know, if you look at
3 the -- if you were to compare the transmission control center
4 and how it operates under ISO's umbrella to the distribution
5 control center right now, what we have is a distribution
6 dispatch center. The people in that dispatch center dispatch
7 outages to crews. They do not run the system like a
8 transmission control center operator. So the need is evolving
9 from just being a dispatcher to having system knowledge and
10 being able to operate the system. That's going to be
11 absolutely critical as we kind of continue to see the changes
12 to the grid with all of this penetration and technology. The
13 efficiencies that we see from using a similar platform spectrum
14 in New York to Maine is the implementation side. You know,
15 learning from the mistakes or the challenges that occurred
16 during the implementation in New York, we can learn from and
17 not go through those same challenges in Maine. At the end of
18 the day, when we're all on the same operating platform from an
19 OMS perspective, and I think I've mentioned this before, but
20 theoretically, we could have a New York operator helping manage
21 outage restoration in Maine by giving crew assignments to
22 Connecticut lineworkers. That's the real value in these
23 centralized and enterprise solutions, and I've experienced that
24 in my past. When we had a common platform at Eversource, we
25 did the very same thing. So there's a lot of efficiencies like

1 you mentioned in storm restoration, but, as Matt alluded to,
2 you're going to have to still repair the outages. So there's
3 not an FTE type of savings from the field side.

4 MR. BRYANT: Thank you.

5 MS. HEIMGARTNER: May I follow up on that? You
6 mentioned you get to learn from perhaps the mistakes or growing
7 pains from New York. How -- was the system installed and fully
8 functional on time or were there delays? If you know.

9 MR. PURINGTON: Are you referring to New York?

10 MS. HEIMGARTNER: Yes.

11 MR. SADLER: This is Matt. I wasn't involved with
12 the energy management implementation in New York, but as far as
13 the outage management, I'd have to verify this, but if I recall
14 correctly, I do believe there were some delays, just first time
15 they had implemented that system.

16 MS. HEIMGARTNER: And you believe that with their
17 knowledge and, you know, maybe their lessons learned, that
18 Maine then can avoid some of these?

19 MR. SADLER: This is Matt again. So we have a (sic)
20 operational smart grids group we call it, and they're the ones
21 that are the technical experts on the system. So they are in
22 charge of installing the system and maintaining it and making
23 sure it has the proper data in it. And that group has some
24 shared responsibilities among the opcos, and so we're using
25 some of the same people that were in charge of implementing it

1 in New York for Maine. And as a part of that, we talk about
2 lessons learned from New York, and they've used some of the
3 same programming. So they have taken those lessons learned and
4 avoided the same mistakes in Maine.

5 MS. HEIMGARTNER: Thank you. That was helpful.

6 MR. DESROSIERS: And this is Adam Desrosiers. Just
7 to add to that, at this point with the seam and spectrum
8 implementation, we're weeks away from going live on the EMS
9 side of that implementation and probably a month or two away
10 from going live on the OMS side. So we've already been through
11 a lot of those lessons learned. We're very focused on making
12 sure every I is dotted and T is crossed before we go live on
13 that implementation.

14 MR. BRYANT: One more question on the energy control
15 center. Examiners 6-41, this relates to FERC Order 2222. So
16 you state in your answer that FERC Order 2222, quote, will
17 require local control centers to perform both day-ahead and
18 real-time network analysis, etc., etc. Am I to read from this
19 that the FERC Order 2222 requires a distribution utility to
20 have a local control center?

21 MR. SADLER: And this is Matt. I don't have the -- a
22 copy of the order right in front of me, but I don't -- I do not
23 recall language about that.

24 MR. BRYANT: Is it your understanding that -- and
25 this is a better way of asking actually. Do all distribution

1 utilities have local control centers?

2 MR. PURINGTON: So this is Joe again. So depending
3 on the size, they'll have -- a lot of them have dispatch
4 centers for the smaller ones, like the co-ops. There wouldn't
5 be a -- like, a control center function. Now within ISO's
6 umbrella, there's six local control centers in New England.

7 MR. BRYANT: For transmission?

8 MR. PURINGTON: For transmission, yeah.

9 MR. BRYANT: Right. So what I'm taking then from
10 your answers is that since CMP does have an ECC that it can
11 convert to distribution, it sees that as the vehicle for
12 meeting the requirements of FERC Order 2222. While there might
13 be other ways, that's the way CMP sees it. Is that an accurate
14 way to describe how you look at this?

15 MR. SADLER: This is Matt. Yes, that's accurate.

16 MR. BRYANT: Okay. NAMAG, shifting gears. So my
17 understanding of the NAMAG -- and that's an acronym, N A M A G,
18 organization is that it's an umbrella organization that
19 utilities in the Northeast belong to for prioritizing and
20 figuring out how crews from one area will be shifted to another
21 depending on where a storm hits. Is that roughly accurate?

22 MS. THERRIAULT: This is Kerri. That is correct.

23 MR. BRYANT: Okay, thanks. So has CMP and Avangrid
24 taken measures at NAMAG to address other utilities
25 (indiscernible) are not in the NAMAG area and to reach out to

1 those in times of need? Or do you exclusively work through
2 NAMAG? I think I know the answer to this.

3 MS. THERRIAULT: We exclusively work through NAMAG.

4 MR. BRYANT: So --

5 MR. PURINGTON: And if I can add to that, Kerri, this
6 is Joe again. So NAMAG will reach out to the other MAGs in the
7 regions if they can't fulfill the request depending on the type
8 of storm. If you if you're following the weather right now,
9 Nicole's coming up the coast. So the southeastern MAG will not
10 release any resources to NAMAG if there was a NAMAG request in
11 that at this point. So it's really dependent, but to my
12 comments I think it was yesterday or the day before, utilities
13 won't release crews until they've passed -- the storm has
14 passed them to ensure that they're in the clear for obvious
15 reasons. This has been a discussion with utility CEOs across
16 the nation, especially after EESIEEIS (phonetic) in 2018 and
17 the impact that it had in some of the southern New England
18 states. EEI understands this is a challenge, and I could
19 characterize it as I think they're just as frustrated by the
20 process because it works well after the storm has passed
21 through, but before the pre-planning of the storm, it doesn't
22 work so well unless you are clearly out of the path.

23 MR. SIMMONS: I had a follow up on the NAMAG.

24 MR. BRYANT: Go ahead.

25 MR. SIMMONS: So I've heard that, you know, the

1 process is changing insofar as utilities don't, you know,
2 release their crews and it's getting worse because there are
3 external pressures on the utilities. Has there been any effort
4 within the NAMAG organization to try to address all the work
5 arounds that are occurring and try to -- instead of having an
6 arms race essentially for personnel and storm crews, has there
7 been any discussion in trying to remedy the problem in a way
8 that, you know, keeps utilities from going out and getting
9 crews way ahead of time, bringing them in from all over,
10 circumventing the NAMAG process?

11 MR. PURINGTON: So I would say that NAMAG has had a
12 lot of conversations around this issue. The external pressures
13 that utilities are facing, it -- you know, there'll be no
14 definitive improvement in the process because of those external
15 pressures. So personally I don't see that issue going away
16 anytime in the near future. And, again, as we talked about,
17 when utilities are forced with penalties to restore power, that
18 is -- just with timeframes that are not met, it just increases
19 the arms race. And that's a great way of talking about it
20 because we -- I used that a lot in my past. It's literally an
21 arms race to get as many -- what you think you need ahead of
22 time, and those decisions are being made earlier in the
23 process. So EEI hasn't solved it.

24 MR. SIMMONS: And as far as, you know, affiliated
25 company resources, are there outside external pressures in

1 other states, such as New York, that limit your ability to use
2 affiliate sources here in Maine?

3 MR. PURINGTON: I think I'd say there's a benefit to
4 being part of an enterprise, you know, with New York and
5 Connecticut. We -- you know, similar to Maine, we will not
6 release crews from the Maine system until we are very confident
7 that there'll be no impact and they're not needed. But, again,
8 once we have those crews the affiliates own them, then we can
9 work behind the scenes to get those crews allocated to the
10 appropriate opco that needs the help. So it's definitely a
11 benefit to have New York, Connecticut, and Maine part of the
12 same family of companies.

13 MR. SIMMONS: All right, thank you.

14 MR. BRYANT: (Indiscernible) question about
15 automation. If -- you said in Examiners 6-5 that distribution
16 automation provides the highest expected reliability in France.
17 (Indiscernible) that's the case, why has not CMP proposed more
18 money for automation in this case and less for other items?

19 MR. DESROSIERS: This is Adam. I'll start. So
20 really when we looked at especially what was forecasted in the
21 this rate case, the -- starting in 2023, we were trying to find
22 a balance between completing the projects that had started both
23 from -- anything from a substation rebuild to a transformer
24 replacement, also making sure we are focused on trying to get
25 as much DLI done as we could working within the constraints of

1 the budget but also making sure we're starting to invest in
2 automation. There's definitely a desire to spend more on
3 automation if we have an opportunity, and if a project, say in
4 2023, is delayed for one reason or another and that funding
5 becomes available to move to automation, that will be the first
6 project that we continue to move funding to to accelerate that
7 implementation of automation.

8 MR. BRYANT: So if the Commission adopts the
9 company's plan, the three-year rate plan, we shouldn't be
10 surprised if, in certain years, we see more money going to
11 automation and less to others?

12 MR. DESROSIERS: That's correct.

13 MR. BRYANT: (Indiscernible) during the
14 (indiscernible)?

15 MR. DESROSIERS: Correct.

16 MR. BRYANT: Just a couple more. Examiners 6-30,
17 Attachment 1. So this is about the DLI program and a year-by-
18 year reporting on poles reported and poles completed. I assume
19 by poles completed, you mean those are the -- when a problem
20 was identified, completed means the problem was addressed?

21 MR. DESROSIERS: That's correct.

22 MR. BRYANT: Okay. So in column D should that --
23 that just says poles report. Should that say DLI1 poles
24 reported? I was a little confused by that column heading.

25 MR. DESROSIERS: Yeah, it actually does in the cell.

1 It's just the text is not visible the printed version.

2 MR. BRYANT: So I want you to compare the numbers in
3 column D with the numbers in column G. Column G's title, at
4 least on my version, DLI1 poles completed. So this compares
5 DLI poles identified with DLI -- sorry, DLI1 poles identified
6 with DLI1 poles completed on a year-by-year basis. I'm
7 wondering why those numbers don't match up since my
8 understanding of DLI1 is that requires immediate attention,
9 like within seven days. Some of those numbers are quite
10 different.

11 MR. BROWN: This is Art Brown. The ones in the early
12 years were a different priority, different timeline. One prior
13 to 2016 was one year to complete, and the telephone set poles
14 got into that. So there was some delay in getting those
15 completed.

16 MR. BRYANT: So what you're saying then is in 2016 is
17 when CMP adopted the current definition of DLI1 meaning --

18 MR. BROWN: Correct.

19 MR. BRYANT: -- now? And I see that there is, in
20 fact, a shift. There are far more completions starting in 2016
21 than there are identifications. I take it you were playing
22 catch up.

23 MR. BROWN: Yes.

24 MR. DESROSIERS: That's correct.

25 MS. HEALY: (Indiscernible) in 2014, were there are

1 269 DLI poles reported and 291 completed? Was that a catch up
2 scenario?

3 MR. BROWN: Again, yes. The tel set was delayed so
4 the ones completed could have been from prior years.

5 MR. DES ROSIERS: (Indiscernible) bring back fond
6 memories of prior cases.

7 MR. SIMMONS: (Indiscernible) could set a picture of
8 Chuck here for you if you'd like, Jared.

9 MR. BRYANT: (Indiscernible) me.

10 MS. HEALY: Or me.

11 MR. BRYANT: That's it for my questions. Does anyone
12 else on staff --

13 MR. SIMMONS: I have a few. So the first one I have
14 is on Examiners 6-16, Attachment 1, and I am looking at page
15 number nine. And this is a presentation for the new service
16 coordinator personnel request?

17 MS. THERRIAULT: This is Kerri. That is correct.

18 MR. SIMMONS: And if I'm looking at the
19 organizational structure, it looks like the new positions that
20 are being requested are in an effort to create a symmetry
21 across all the all the different division -- I don't know if
22 that's the right word, but division offices. Is that correct?

23 MS. THERRIAULT: That is correct. We have one per
24 manager. So one per region.

25 MR. SIMMONS: And is -- what's the function of the

1 coordinator? What is their role?

2 MS. THERRIAULT: So the service coordinator is the
3 customer liaison between the customer and the business. So
4 when a customer calls for a new service, that service
5 coordinator will take control of that job. So they will
6 contact the customer within 24 hours to start talking to them
7 about the process. We've seen you've applied for new service.
8 Here's the process. Here's the paperwork. This is what you'll
9 need to do in order to move your job forward. They'll put a
10 tickler in and they'll contact that customer again in two weeks
11 just to make sure everything's going smooth. But that customer
12 has a particular contact person that they can work with to take
13 any confusion or questions out of their job. In addition to
14 that, they are watching that job all the way through the
15 process. So they're working with the business to remove any
16 roadblocks or problems that may occur so that it doesn't slow
17 down the process.

18 MR. SIMMONS: And how many new positions does the
19 proposal seek to fill?

20 MS. THERRIAULT: So this is Kerri. We have already
21 filled those positions. We filled them at the beginning of
22 2021.

23 MR. SIMMONS: And I guess just one follow up. Is --
24 are the -- all the new coordinator -- the new service requests,
25 do they happen equally throughout divisions?

1 MS. THERRIAULT: No.

2 MR. SIMMONS: Okay. And so some of these divisions
3 have more work than others?

4 MS. THERRIAULT: So they work as a team. So they
5 will partner up and cover for one another or support one
6 another if one workload is higher than another.

7 MR. SIMMONS: Okay, that's -- that was going to be my
8 follow up is that there's -- they're covering multiple areas,
9 but they're just located in a division office.

10 MS. THERRIAULT: Absolutely, yes.

11 MR. SIMMONS: I think I just had one other question
12 that was going to be just a straight ODR regarding storms. So
13 for each of the last five years, like, the date of the storm,
14 the total incremental cost, the number of peak outages, the
15 number of total customers affected, and the duration of the
16 recovery. And that would be for tier one, tier two, tier three
17 storms. So it doesn't matter which category.

18 MS. THERRIAULT: Okay, we can do that. Thank you.

19 MR. SIMMONS: That's all I had on this.

20 MR. DES ROSIERS: And, Michael, do you want them
21 organized by tier one, tier two, or tier three or just in
22 chronological order? Or it doesn't matter?

23 MR. SIMMONS: They can do that. So just
24 chronological order is fine by me.

25 MS. TAYLOR: Just that -- the second qualifier -- the

1 second category of information you wanted?

2 MR. SIMMONS: So --

3 MS. TAYLOR: You wanted the date of the storm and
4 then --

5 MR. SIMMONS: Total incremental cost.

6 MS. TAYLOR: Okay, thank you.

7 MS. HEIMGARTNER: This is Greta. I'm headed back to
8 automation again. We all come from different perspectives. In
9 Examiners 006-005, Attachment 1, it lists out the service
10 territories, number of circuits, and then the total count per
11 year. And in looking at it, for 2023, has CMP already purchased
12 those devices?

13 MR. DESROSIERS: This is Adam. We have already
14 purchased, and, in most cases, we already have most of those on
15 hand.

16 MS. HEIMGARTNER: And has the engineering been
17 completed or is that still in the process?

18 MR. DESROSIERS: It is in process.

19 MS. HEIMGARTNER: And I notice that consistently each
20 device was \$100,000 which I would think would be reasonable.
21 However, given the fact that you're doing a vast number of
22 these, wouldn't efficiencies in later years help, you know,
23 with the engineering because it will be so routine by then and,
24 you know, even construction will be routine by then?

25 MR. DESROSIERS: Yeah, this is Adam. I would agree

1 with you. Our average cost currently is about 100,000 per
2 device. There is an opportunity to gain efficiencies there,
3 although a lot of that 100,000 is the cost of the device. So
4 likely with the efficiencies we will gain, the cost of the
5 devices could increase. So I think that's why we approach this
6 with the \$100,000 average device. But if we're trending under
7 and we have efficiencies, we will continue to add additional
8 devices in each year as the budget allows.

9 MS. HEIMGARTNER: That's good because I'm in
10 Fairfield so I don't -- I'm not getting it for a long time.

11 MR. PURINGTON: So this is Joe. You know, I'd also
12 add you would think that the engineering would be similar,
13 right, if you're installing a hundred. It's not. It's
14 location dependent and it's how you coordinate the protection
15 system settings with the other devices on that circuit, that is
16 different. So the installation, depending on what you have to
17 do, is obviously very similar, but the engineering behind it
18 can be very different.

19 MS. HEIMGARTNER: Right, I'm aware of that. I
20 actually did design work for 115 kV automation in my past.
21 Last question on this one. I understand why you started at
22 Alfred, but it does look like -- did you take that same
23 philosophy of the second worst performing service territory and
24 then just go down to the last? Because I know Skowhegan has a
25 lot of outages.

1 MR. DESROSIERS: Yeah. So that was our initial
2 approach. Alfred was our largest -- one of the largest
3 districts, both customer account and number of circuits. And
4 then we really worked our way up the coast. So, I mean, we did
5 file an attachment to the electric ops testimony which showed
6 about two-thirds of our customers are located within 20 miles
7 of the coast. And that's -- with the storms and the frequency
8 of storms, that's where we see the biggest impact from an
9 automation perspective is starting in Alfred and working our
10 way up the coast.

11 MS. HEIMGARTNER: That is what I figured. I
12 (indiscernible).

13 MR. THERRIAULT: And this is Kevin. Just to add onto
14 that, by starting south, we have greater tie capabilities in
15 our more populated areas. So we'll see greater benefits in our
16 southern Maine territories. As we move further north, we lose
17 those tie capabilities.

18 MS. HEIMGARTNER: Great. Thank you very much.
19 Should I ask my question from yesterday?

20 MR. BRYANT: Yes.

21 MS. HEIMGARTNER: Okay, this was on CIS. Examiners
22 009-80, Attachment 1.

23 MR. DESROSIERS: Yes, this is Adam.

24 MS. HEIMGARTNER: Do you have that up?

25 MR. DESROSIERS: Yeah.

1 MS. HEIMGARTNER: Okay. I was looking specifically
2 at the asset conditions and the substation rebuilds and
3 replacements. And in the year 2022, between the actuals,
4 forecasts, and the variance, and -- why was there such a
5 variance and please explain it?

6 MR. DESROSIERS: So I'll explain it, but I also want
7 to point you towards EXM 009-002, Attachment 1. Page two of
8 four also provides that variance description. So the variance
9 you're seeing there is primarily related to the Forest Ave.
10 substation rebuild. There were some costs that were originally
11 charged to transmission that needed to be reallocated to
12 distribution, and so that variance you're seeing has since gone
13 away with our month-to-month actuals because of the move of
14 that funding from transmission to distribution.

15 MS. HEIMGARTNER: Okay, similar question. In the
16 planning studies for 2022, it doesn't appear that anything's
17 been spent.

18 MR. DESROSIERS: You're referring to line 13?

19 MS. HEIMGARTNER: I would assume so. I only have a
20 paper copy.

21 MR. DESROSIERS: Oh, okay. Yeah, I can -- I mean,
22 it's -- looks like there was a budget of 100,000 with -- and a
23 year-to-date variance of 100,000. This was a -- this table was
24 originally based on what we call the eight plus four. So it
25 was up to August actuals with four months of forecast. My

1 assumption with that variance is the study work hadn't started
2 prior to August. It was likely forecasted earlier in the year,
3 but it hadn't started prior to August. Chris can probably
4 confirm that.

5 MR. MORIN: This is Chris Morin. Have to double
6 check if we spent any monies to date yet, but so far I'm
7 assuming that variance is probably still there for the planning
8 studies. We can confirm that if need be.

9 MS. HEIMGARTNER: I would like that confirmed. And
10 my last question, still on this table, is under reliability,
11 the transformer replacement. What was the reason for the
12 variance?

13 MR. DESROSIERS: So likely that -- and let me refer
14 to the other attachment, see if it's called out there, but I'm
15 assuming it was likely due to a delay in transformer delivery.
16 We could take that back as an ODR and confirm, but that line
17 item is traditionally for purchase of replacement substation
18 and spare transformers, and so my assumption is that's due to a
19 transformer delivery delay.

20 MS. HEIMGARTNER: I would definitely like an ODR on
21 that. I'm all set now, Eric.

22 MR. BRYANT: Anybody else on staff have questions for
23 this panel? So let me turn to the OPA. Do you have any
24 follow-up questions for this panel? No. CLF?

25 MR. TURNER: Hi, Eric, sorry, I had to switch to my

1 phone. CLF does not have any questions.

2 MR. BRYANT: Okay. Any other parties participating
3 remotely have questions for the operations panel? Okay,
4 hearing nothing, we're done with operations, and we can move to
5 vegetation management.

6 MR. DES ROSIERS: I'm assuming we're also then done
7 with capital as well since it was just the hanging -- the
8 holdover on --

9 MR. BRYANT: Correct.

10 MR. DESROSIERS: -- capital issue.

11 MR. BRYANT: Correct. The -- while this transition's
12 taking place, I had a confidential question for the veg
13 management panel which I now realize I can put in as an ODR.
14 So I will do that. I'm obviously not going to state it now on
15 the record. You'll see that coming, and I'll probably make it
16 ODR 3-1 just since it's confidential and leave it out of set
17 two. So you'll see that probably Monday or Tuesday.

18 MR. DES ROSIERS: Fine.

19 MR. BRYANT: Adam, are you just sticking around
20 because you like this panel or -- I'm just -- not that you have
21 to move. I'm not --

22 MR. DESROSIERS: I can't get enough of vegetation
23 management. So I figured I'd hang out.

24 MR. BRYANT: Okay.

25 MR. DES ROSIERS: Joe's not in his seat. So somebody

1 asked to, you know --

2 MR. BRYANT: So starting with Kerri, can I just have
3 the three of you state your name and go down the row there?

4 MS. THERRIAULT: Kerri Therriault for CMP.

5 MS. MANENDE: Katie Manende, CMP.

6 MR. RANSOM: Bill Ransom, CMP.

7 MR. BRYANT: Thank you. And I remind the three of
8 you you're under oath. Yeah, I just have a couple questions,
9 and I'm not sure there are many more after me. The first one's
10 a really easy one. Are the identities of your existing
11 vegetation management contractors confidential?

12 MR. RANSOM: No, they aren't.

13 MR. BRYANT: So in other words, once you sign a
14 contract with a vendor, that's not a -- that name is not
15 confidential anymore?

16 MR. RANSOM: This is Bill. That's correct.

17 MR. BRYANT: What about the terms of the contract?

18 MR. RANSOM: This is Bill. That is confidential.

19 MR. BRYANT: Okay, right. My -- the confidential
20 data request I just referenced will talk about your approach to
21 vegetation management contracting that's coming up. I
22 understand you will be issuing RFPs sometime in the next couple
23 months. If you could turn to testimony, page 30. So this
24 question is a ground-to-sky question. In that -- in the bottom
25 paragraph on page 30 you talk about of the tree-related

1 outages, approximately 95 percent resulted from tree or branch
2 failures outside of the current trim spec. So do I take that
3 to mean that if you were doing ground to sky, you'd still have
4 95 percent of the outages from outside the trim spec or does
5 some of that 95 percent come from the canopy that would go away
6 with ground to sky?

7 MS. MANENDE: So this is Katie. Some of that 95
8 percent would be eliminated with that ground to sky, by
9 removing that overhead canopy.

10 MR. BRYANT: Based on the -- whatever past period you
11 choose, can you give me a percentage of -- what percentage of
12 that 95 percent comes from the portion that would be removed
13 ground to sky? And it doesn't have to be an exact number,
14 just, you know, 25 percent, 50 percent, 75 percent. What are
15 we looking at?

16 MR. RANSOM: This is Bill. In our testimony we're
17 estimating that -- and it's a conservative estimate -- 60
18 percent of these -- of this 95 percent is coming from the
19 canopy.

20 MR. BRYANT: Okay, I must have missed that. Thank
21 you.

22 MR. RANSOM: This is Bill. Actually that is in one
23 of the attachments to a data request, that information is
24 contained in there.

25 MR. BRYANT: Okay. Thanks. So that's a pretty big

1 number. How does that compare to the amount -- the number of
2 outages caused by hazard trees?

3 MR. RANSOM: This is Bill. So in our estimation,
4 again, being very conservative, we're estimating that ten
5 percent of the trees that we identify as hazards, ten percent
6 of those would actually impact the line. It's a very
7 conservative estimate. So if we're going to remove a hundred
8 trees from the line, in our reliability improvements, we are
9 not assuming that 100 percent of those trees would have hit the
10 line. We're assuming that only ten of those hundred would hit
11 the line. And that is our -- it's a conservative estimate
12 based on past experience, but again, trying to be very
13 conservative with what we're saying we can deliver in terms of
14 benefits.

15 MR. BRYANT: So let me rephrase my question. Just as
16 an order of magnitude, are there more outages caused from
17 branches falling from the canopy that would be removed under
18 the ground to sky than there are from hazard trees? Which
19 contribute -- which causes more outages right now?

20 MS. MANENDE: So this is Katie. Anecdotally just in
21 my eight years' experience here, I would say it's pretty even.
22 Going out and doing all the outage investigations that I've
23 done over my career, it's been a pretty good split of that
24 overhead canopy versus trees from edge falling in. That being
25 said, we discussed quite a bit in our testimony -- you know,

1 the last couple days in testimony you've been hearing a lot of
2 this forward thinking and planning ahead, and we know that with
3 the effects of climate change and seeing more droughty
4 conditions and also, vice versa, seeing those larger rain
5 events and that higher saturation of soil as well as the onset
6 of a number of tree pest diseases coming into the state, I do
7 think that potential for a shift is there and you will start
8 seeing more trees from the edge -- so outside of that right-of-
9 way -- so coming to failure and falling in onto the conductors.

10 MR. BRYANT: Thank you. So the proposal for the
11 ground to sky is on the three-phase lines, right?

12 MS. MANENDE: This is Katie. Yes, that's correct.

13 MR. BRYANT: And you have a proposal for stringing
14 tree wire as well. My question is given -- let's assume the
15 ground to sky is -- that the company goes and does that because
16 it gets the funding. Would more of the tree wire be deployed
17 on the single-phase lines than on the three phase because of
18 the ground-to-sky improvements or has the company considered
19 that?

20 MR. DESROSIERS: This is Adam. I guess I would look
21 at it as, in most cases, traditionally today when we are
22 installing tree wire on the three-phase portions of the
23 circuits, it's being driven by, I guess, a few different items.
24 It could be an addition of a DG. So we have to increase the
25 conductor size. It could be additional load on the three-phase

1 portion of the circuit. So, again, causing a loading issue
2 resulting in the replacement of the conductor. If the ground
3 to sky is purely being done to improve reliability, I would
4 agree that there would necessarily not be a huge priority or
5 focus to go and replace that conductor with tree wire. That
6 would likely be driven by another component, whether it's load
7 or distributed generation, in which case we would install tree
8 wire in that case as our essentially new standard of conductor.

9 MR. BRYANT: So when the company needs to upgrade a
10 line for a DG project, it just automatically uses tree wire?

11 MR. DESROSIERS: That's correct.

12 MR. BRYANT: What about in an area where there are no
13 trees?

14 MR. DESROSIERS: From an efficiency perspective, we
15 still install tree wire just as the crew is pulling the wire
16 in, it's not efficient to switch between different reels of
17 wire as they're stringing the conductor.

18 MR. BRYANT: Am I correct that the cost differential
19 between bare wire and tree wire has reduced in recent years?

20 MR. DESROSIERS: That's correct.

21 MR. BRYANT: Is that one of the reasons for your
22 previous answer?

23 MR. DESROSIERS: Correct.

24 MR. BRYANT: This is kind of along the lines we've
25 just been talking about it, and maybe this is in a data

1 response and I read it and forgot it, but for the ground-to-sky
2 program, has the company put forth an estimate, a
3 quantification, of the percentage of outages that will be
4 produced in an average year because of the ground-to-sky
5 program?

6 MS. MANENDE: This is Katie. Yes, we have. That
7 information is in OPA 005-012.

8 MR. BRYANT: Thank you. But you've not attempted --
9 according to -- never mind.

10 MR. SIMMONS: I have a follow up on that --

11 MR. BRYANT: Go ahead.

12 MR. SIMMONS: -- OPA 05-012 attachment. And I think
13 this will get at what you're getting at, Eric. So on page two
14 of the attachment there's a chart with the two curves, and I
15 believe it was briefly described the other day in response to a
16 question. And I just wanted the company to kind of walk
17 through the process of how those curves were developed.

18 MR. RANSOM: This is Bill. I can certainly do that.
19 So if you -- I think it may be beneficial to start with page
20 three of the chart and then you can see how we -- because this
21 is basically a plotting of these numbers on this chart here on
22 page three. So what the company did, we looked at the entire
23 system for a given year and we took all the proximately 22,000
24 miles and we put them into a bucket. And those buckets were
25 those that were trimmed within one year, those that were

1 trimmed within two years, etc., etc. out to six years. Then we
2 looked at the reliability data to see,, well, what is the
3 customer impact by tree interruptions per mile for each bucket.
4 Then when you when you look at the table, you'll see for those
5 with a one-year age, their contribution to interruptions was
6 97,446. That's -- now that contribution is based on the
7 customers interrupted per mile for that class of circuit. So
8 if we're on a five-year cycle, you take the cost -- excuse me,
9 the customers interrupted per mile by class times a constant
10 4,401 miles per year, and you will come up with the total
11 amount of customers interrupted for a year by class. And that
12 number is shown at the far right, 512,893.

13 We did the same analysis, but we extended it by
14 adding six, and actually we did a trend line projection to see,
15 well, what would the effect be for the sixth year. So when you
16 look down to the six-year cycle estimated customers affected by
17 circuit age grouping, you'll see that, for the cycle portion,
18 the CI per mile, for the customers interrupted per mile, for
19 years one, two, three, four, and five, it's the same because
20 it's the same class.

21 But now we have a new class. That class are the
22 customers that are now in year six. Their contribution for
23 customers interrupted per mile is 33.12. We'll see that over
24 there underneath the age six if you follow the CI per mile,
25 customers interrupted, 33.1. So now we have the customers

1 interrupted per class for years one through six. So now on a
2 six-year cycle, the amount of miles on -- annually is six --
3 excuse me, 3,668. You take that amount of miles per year, take
4 that, multiply it by the customers interrupted per mile by
5 class, and you'll get the impact of moving from a five-year
6 cycle to a six-year cycle. And the impact is going from
7 512,893 to 548,902. So there's a degradation in going from a
8 five-year cycle to a six-year cycle. However, we reinvest the
9 savings from doing that into the two programs, the ground to
10 sky on three phase and the increased hazard tree removals, and
11 you can see how for the hazard tree removal, we're looking for
12 a decrease of 9,767 customers per bucket. Again, this is per
13 circuit class. So annually you take that across all six
14 classes and you come up with a reduction of 66,017 miles of
15 interruption avoidance because of hazard tree. Similarly for
16 ground to sky, there is a (sic) avoidance of customer
17 interruption of 63,585. So the net reduction -- the net impact
18 is an improvement, an overall reduction of 93,593. So that's
19 based on our historical numbers and our projections based on
20 our reliability from recent years.

21 MR. SIMMONS: And so the -- I would assume that under
22 the -- or maybe or maybe since it's not changing, you didn't
23 include it, but the other enhanced vegetation management
24 programs such as hotspot and ancillary program, that's not
25 accounted for in this case, right?

1 MR. RANSOM: There's certainly benefits to those
2 programs, but they're not constant. These are kind of
3 dispersed -- those programs are dispersed throughout the
4 system.

5 MR. SIMMONS: Okay. So is one way to look at this --
6 okay, so the savings -- the customer interruption avoided for
7 hazard removal, for example, is 66,000 over the course of the
8 year?

9 MR. RANSOM: Correct.

10 MR. SIMMONS: And then the same would be 63,500 for
11 the ground to sky?

12 MR. RANSOM: This is Bill. Correct.

13 MR. SIMMONS: Isn't that -- so would one way to
14 measure the benefits of each of those programs or the
15 contributions to SAIFI for both of those programs be to just
16 divide it by the number of customers? Say you have the
17 interruptions in total number of customers, and isn't that your
18 SAIFI number?

19 MR. RANSOM: We may be saying the same thing. We're
20 showing an impact -- we show an impact of each program.

21 MR. SIMMONS: Yeah, yes. Yes. So I guess the way I
22 would say it is if we did that, we could see the contribution
23 of that program to SAIFI.

24 MR. RANSOM: This is Bill. Absolutely, absolutely.

25 MR. SIMMONS: And so the total 93 point 5,000 (sic)

1 interruptions would be the program change of your proposal to
2 system reliability?

3 MR. RANSOM: This is Bill. That's correct. And you
4 can convert that to a SAIFI number.

5 MR. SIMMONS: Okay. Thank you very much. That was
6 very thorough and helpful. Thank you.

7 MR. BRYANT: I'm going to reference Examiners 4-12.
8 That -- we were trying to get at the number of tree crews
9 committed to CMP throughout this plan. And the answer is that
10 you anticipate 120 to 130 crews will be working on the system,
11 and then you provide a breakdown of what they'll be doing. How
12 many crews does CMP deploy today?

13 MS. MANENDE: This is Katie. On average, we have
14 approximately 110 tree crews on the system over all of the
15 activities mentioned in that DR.

16 MR. BRYANT: Does the company anticipate any problems
17 hiring or securing additional 10 to 20 crews in this job
18 market?

19 MS. MANENDE: This is Katie. No, we do not.

20 MR. BRYANT: Why is that?

21 MS. MANENDE: And this is Katie. I believe it may --
22 it gets into confidential I think the way I would intend to
23 answer that question.

24 MR. BRYANT: Okay.

25 MS. MCDONOUGH: Can I take a minute to huddle?

1 MR. BRYANT: Yeah, I'd like to avoid confidential
2 because I don't think we have any for that. If we can avoid it
3 --

4 MR. SIMMONS: Eric, maybe you can ask -- since you're
5 already doing one confidential.

6 MR. BRYANT: No, I'm not doing that one. I'm going
7 to turn that into an ODR.

8 MR. SIMMONS: No, right, it is ODR and maybe you can
9 do this one is an ODR as well.

10 MR. DESROSIERS: This is Adam. So our plan is to
11 diversify more the contractors we're using for veg M which will
12 allow us to have those contractors more easily add labor and
13 cruise when needed to get to that number.

14 MR. BRYANT: Can I ask what you mean by diversify
15 more?

16 MR. DESROSIERS: Right now, the majority of our veg
17 work is done by one company, a large majority which has caused
18 labor availability issues on completing our circuit miles to
19 date. So by adding additional contractors to the mix, we'll
20 have the ability to get more crews from those contractors.

21 MR. BRYANT: So that's what gives you the confidence
22 that you'll be able to secure the additional 10 to 20 crews?

23 MR. DESROSIERS: That's correct.

24 MR. BRYANT: Okay.

25 MR. SIMMONS: So I have a follow up on that same --

1 so for the list of items that the vegetation crews are
2 responsible for, does the company have a prioritization as far
3 as, you know, where those crews are working on those -- on that
4 list of tasks?

5 MS. MANENDE: This is Katie. I thought I might get
6 that question. So we mentioned in testimony that, you know, in
7 the last cycle we've seen a significant increase in the level
8 of capital work that vegetation management has done. So the
9 DLI programs, the DG resiliency. So when those projects come
10 on our radar, in addition to our new customer connections so
11 those as well, we do prioritize that work in relation to our
12 circuit mileage and the hotspot hazard work.

13 MR. SIMMONS: So when you say that work, you mean the
14 capital work, the new connection, the DG?

15 MS. MANENDE: That is correct. This is Katie. And
16 to date, we have always found the balance to accomplish all of
17 that work, but I will not deny that it has been a challenge to
18 do so under the current program we're at where we have -- we've
19 historically had a limited pool of vendors to do that work.

20 MR. SIMMONS: Is there a further prioritization
21 between the cycle work and the other ancillary trim programs?

22 MS. MANENDE: This is Katie. No, there is not.

23 MR. SIMMONS: And is it the same vendor that does
24 both the cycle and the ancillary?

25 MS. MANENDE: This is Katie. Historically, yes,

1 that's been correct. We on boarded some additional vendors
2 this year to help with the capital as well as some of the
3 hazard work.

4 MR. SIMMONS: Okay. Thank you..

5 MR. BRYANT: That's all I had. Anybody else on staff
6 have further questions for this panel?

7 MR. SIMMONS: I have one or two. I think we -- we're
8 going to talk, I guess, separately about the reliability
9 calculator, but does the company use the calculator on its
10 vegetation programming?

11 MS. MANENDE: Defer to Adam. This is Katie.

12 MR. DESROSIERS: We have not currently. This is
13 Adam.

14 MR. SIMMONS: Okay. And the next question I had was
15 in relation to Examiners 04-35. Make sure that number is
16 right, sorry. Okay, yeah, so this is the question about the
17 key performance indicators, and the company stated that there
18 are performance metrics built into the contract. And I was
19 wondering -- yes, maybe it's an ODR -- whether we can get kind
20 of a -- the year-end 2021 API report from your vendor
21 contractor, if that exists. Maybe I should ask that question
22 first.

23 MS. MANENDE: So this is Katie. Can I first confirm
24 if you're talking about Examiners 35 or 36? Because what you
25 asked and then what you're referring to now almost sounds like

1 it could be Examiners 36.

2 MR. SIMMONS: So there were going to be two
3 questions. The first one was 35 related to the performance
4 indicators that are built into the contract with the -- in the
5 master service agreement as -- these include metrics on
6 customer satisfaction here in specifications, timely completion
7 of work, etc. Is that a report that either the vendor provides
8 or the company manages?

9 MS. MANENDE: So this is Katie. There is no formal
10 report, but we do track all of the information outlined, and
11 those items are in that DR.

12 MR. SIMMONS: And so is there, like, an end-of-year
13 report or a period that would show, like, say, 2021's
14 performance?

15 MS. MANENDE: Can I have one second?

16 MR. SIMMONS: Or -- yeah.

17 MS. MANENDE: This is Katie. If you would like us to
18 provide that data, we'll take an oral data request.

19 MR. SIMMONS: Yeah, let's do that. Provide the data
20 referenced in Examiners 04-35 --

21 MS. TAYLOR: (Indiscernible) question number, 04
22 what?

23 MR. BRYANT: Thirty-five.

24 MR. SIMMONS: Thirty-five.

25 MS. TAYLOR: Thirty-five?

1 MR. SIMMONS: Yeah. Maybe you could explain how you
2 -- how the -- how you track the data. Maybe that would help me
3 understand what --

4 MS. MANENDE: Sure. So this is Katie. I think I can
5 provide you an example based on what we have in the DR. So one
6 of the metrics, for lack of a better word, is a crew-caused
7 outage. So in the event a -- one of our contractors caused a
8 crew-caused outage of any kind, it could be a service going to
9 one singular customer, it could be a larger outage going to
10 multiple customers, they are required to immediately notify the
11 Central Maine Power district arborist plus the manager, so
12 myself, and there's a form that we fill out to document that
13 that occurrence has happened. So that would be one example.

14 MR. SIMMONS: And then you would just keep that in a
15 spreadsheet or -- that this happened or you would just have a
16 pile of forms?

17 MS. MANENDE: No, then it gets documented in a
18 company online reporting system.

19 MR. SIMMONS: And then my next question was going to
20 be about the company's own key performance indicators, that you
21 mentioned you track the mileage production against weekly
22 targets. And as an ODR, can I get maybe both the end of year
23 2021 and the to date 2022 reports?

24 MS. MANENDE: This is Katie. Yes, we can provide
25 that.

1 MR. SIMMONS: Did you get that, Daya?

2 MR. DES ROSIERS: And, Michael, for the prior ODR,
3 that was for 2021 data?

4 MR. SIMMONS: Yeah, I think I just want -- more than
5 anything I just kind of want to see how it's --

6 MR. DES ROSIERS: -- organized?

7 MR. SIMMONS: -- and what's there, yeah. I think
8 that's it for me, Eric.

9 MR. BRYANT: Anyone else on staff have questions for
10 the vegetation management panel?

11 MR. SIMMONS: You know what, I do have one more. I'm
12 sorry. Yesterday it was mentioned that one of the things that
13 was happening was that -- in order to keep up on the cycle trim
14 work is that there was more mechanized trimming. Is that
15 correct?

16 MS. MANENDE: This is Katie. Yes, that is correct.

17 MR. SIMMONS: Is there any concern with the use of
18 the mechanized or increased use of the mechanized trimming in
19 regards to the kind of ongoing tree health associated with
20 that?

21 MS. MANENDE: This is Katie. To answer your
22 question, the answer to that is the contractors using that
23 mechanized equipment still need to uphold the appropriate tree
24 care standard. So just by using the mechanized equipment, they
25 are not compromising tree health.

1 MR. SIMMONS: And what standards are they trimming
2 to, what specification? Do you know?

3 MS. MANENDE: It's a tree care standard. That is
4 something we could provide you in greater detail if you'd like
5 to see that.

6 MR. SIMMONS: Yeah, that might be helpful. Thank
7 you.

8 MS. MANENDE: And I guess -- excuse me, this is
9 Katie. I'll add, you know, regardless of if the contractors
10 are using a traditional bucket crew with a foreman in the
11 bucket doing the trimming with equipment or if they're using a
12 mechanized machine, my team of arborists, who are all licensed
13 by the state of Maine, are going out and doing a quality audit
14 on all of the work. So if they do notice anything that is not
15 up to the appropriate standard, so is not a proper pruning cut
16 or they believe a cut has been made that will compromise the
17 health of that tree, we would take the appropriate measures to
18 correct the issue.

19 MR. SIMMONS: And also along the lines of the -- kind
20 of the ground-to-sky program, is there any industry data that
21 would suggest that the ground-to-sky cutting has any
22 detrimental impact on the health of the tree over time?

23 MS. MANENDE: This is Katie. What I would -- excuse
24 me. What I would say to that is when we look at each
25 individual tree that would be over, let's say, the three-phase

1 infrastructure and we're looking at it and determining when we
2 remove that overhead canopy, are we removing -- for a general
3 rule of thumb -- 30 percent of that canopy. And if the answer
4 is yes, at that point we are making the determination if we
5 should be pruning that tree or if we should be looking to
6 remove that tree in entirety.

7 MR. SIMMONS: And if it's a -- if it turns into a
8 removal, how is that accounted for, you know, kind of the cost
9 wise? Does it move out of the ground-to-sky program and
10 becomes, you know, ancillary cost buckets that deals with whole
11 tree removals or --

12 MS. MANENDE: I would say that would still fall under
13 the ground to sky. This is Katie.

14 MR. SIMMONS: I'll finish.

15 MR. BRYANT: So we need your ODR. We didn't get
16 that, the last one.

17 MR. SIMMONS: Provide the standard for the trim
18 specification, yeah.

19 MS. HEALY: (Indiscernible) question. What happens
20 with all the material that's trimmed and cut and how -- yeah,
21 go ahead and answer that.

22 MS. MANENDE: Sure. This is Katie. So it's
23 dependent on the situation. So there's a few things that we
24 have to take in consideration when we're doing -- whether it's
25 tree trimming or tree removal and then subsequently the

1 material that results. So under our specifications for any
2 trimming, whether it's cycle, hotspot, hazard, capital work,
3 the tree branches that are under three inches in diameter, we
4 will chip up and do one of two things with it. If we're in a
5 rural area, so wood lot basically, we'll blow that material
6 back into the woods so it can break down and return the
7 nutrients to the environment. That's one reason we do it.
8 Another reason we do it is with the onset of some of the tree
9 pests and diseases into this state, it's preferential to leave
10 that material on site so we don't further the spread of, in
11 particular, I would say emerald ash borer because that is a
12 huge concern and there's some state quarantines in effect
13 restricting the movement of that material.

14 For your more urban landscapes, we will put those
15 chips into the back of a chip fan, and then they are brought to
16 a dump site and located there, again being mindful of any state
17 quarantines. As far as any larger diameter wood, that is left
18 on site per a timber slash law by the state of Maine. I used
19 to know the number offhand, I don't anymore, but that material
20 is left on site because it would be considered timber theft if
21 we were to remove it otherwise because that is material legally
22 owned by the customer. That being said, if a customer is
23 adamant that they would like that material moved, we'll make
24 appropriate accommodations to do so.

25 MS. HEALY: And so am I correct then there's no

1 revenue that is generated from any of the trim or the logs that
2 are --

3 MS. MANENDE: This is Katie. Yes, that's correct.
4 There's no revenue generated.

5 MS. HEALY: -- sounds like there's not much potential
6 for that given the state law.

7 MS. MANENDE: Yes, that's correct.

8 MS. HEALY: Thanks.

9 MS. HEIMGARTNER: This is not related to vegetation
10 management. It goes back to yesterday. I'd forgotten I had
11 this question. Adam, you were talking yesterday about supply
12 chain -- we were doing supply chain issues and delays, and you
13 mentioned you changed the species of pole that you now use.
14 And you lowered your standards and it was the life expectancy,
15 if I'm not mistaken. Am I correct on that?

16 MR. DESROSIERS: Yeah, we didn't -- this is Adam. We
17 didn't necessarily change the species. We allowed additional
18 species into the mix of allowed pole species.

19 MS. HEIMGARTNER: Okay. But the additional species,
20 what is their life expectancy versus what is your normal
21 species life expectancy?

22 MR. DESROSIERS: We'd have to take that as an ODR and
23 go back and list the different species with the expected life
24 expectancy because the treatment that gets put on those species
25 can affect that too.

1 MS. HEIMGARTNER: And that is the reason why, though,
2 there's some variance between the species, its life?

3 MR. DESROSIERS: Yeah. I mean, really it came down
4 to -- the decision came down to there's certain species that we
5 might have not allowed before might be more readily available
6 on the market now. So there's a higher certainty that we're
7 going to get the poles we order. So --

8 MS. HEIMGARTNER: Excellent. Daya, you get that?

9 MS. TAYLOR: Yes. So just for clarification, do you
10 want all species or just the new species?

11 MS. HEIMGARTNER: I want all species.

12 MS. TAYLOR: Okay.

13 MR. DESROSIERS: Let me just clarify. So all species
14 that we currently use and the expected life expectancy of those
15 poles?

16 MS. HEIMGARTNER: Correct.

17 MS. HEALY: And do you want the new -- the expanded
18 species to be separately highlighted or something so --

19 MS. HEIMGARTNER: Yes, separately highlight the new
20 ones. Thank you, Nora.

21 MR. BRYANT: Okay, I think that's it from staff.
22 Hearing nothing, does the OPA have any follow ups for this
23 panel?

24 MR. LANDRY: Not so much a follow up. I've been
25 looking at the questions I have for revenue requirement panel.

1 A couple relate to vegetation management so I thought it'd be
2 better to ask them now.

3 MR. BRYANT: Okay. Yeah, that's a good idea. And
4 then if they can't answer it --

5 MR. LANDRY: Right.

6 MR. BRYANT: - the next panel can.

7 MR. LANDRY: Really just a couple quick questions
8 here. Was wondering when the -- whether the ECI studies that
9 have been discussed in the case were prepared for this rate
10 case or were they prepared for your operational purposes?

11 MR. RANSOM: This is Bill. So there's a couple of
12 exhibits. One was to demonstrate the impact of ground to sky
13 on some select circuits at CMP. So it wasn't done specific to
14 the rate case, but it's very pertinent.

15 MR. LANDRY: I understand that. I was -- but I was
16 trying to understand was the studies originally prepared so you
17 could make decisions, management decisions, about how you
18 wanted to deal with vegetation management or was it prepared to
19 justify your decisions in the case?

20 MR. RANSOM: This is Bill. Good question. So we --
21 through our analysis, we had made a decision to perform ground-
22 to-sky clearing on those circuits, those Jackman circuits.
23 There was a desire to quantify the benefits from a third party,
24 to have someone come in and give us an assessment of -- really
25 it's an assessment of the benefit there, but this isn't the

1 first time that we've had an interest in ground to sky. So it
2 was looking at Jackman and how can we expand it. And, again,
3 it just happens to be very pertinent to our case now.

4 MR. LANDRY: That's very helpful. Thank you. Do you
5 know when was the cost -- what year the cost of that study was
6 incurred?

7 MR. RANSOM: We may have -- this is Bill. We may
8 have to take an ODR, but before we do, give us a minute.

9 MR. LANDRY: (Indiscernible) take it as an ODR.
10 (Indiscernible) to get through today.

11 MR. RANSOM: This is Bill. So to be precise, we'll
12 take an ODR, but the date on the documents, the work study
13 update is dated in 2020. And that's -- if that's when it was
14 delivered, that's when we paid for it. And the --

15 MR. LANDRY: That's when you paid for it?

16 MR. RANSOM: Yes, it would -- that's when we would
17 have expensed it, but --

18 MR. LANDRY: That's fine.

19 MR. RANSOM: Okay.

20 MR. LANDRY: No ODR. Thank you very much. That's
21 all.

22 MR. BRYANT: Any other party have any questions for
23 this panel before they are dismissed? Hearing none, you're
24 dismissed. Let's take our break, and when we come back, I
25 believe we have one final panel, and they've been sitting here

1 the whole time. Appreciate their patience. That would be the
2 revenue requirement panel. Let's come back at 3:10.

3 CONFERENCE RECESSED (November 10, 2022, 2:54 p.m.)

4 CONFERENCE RESUMED (November 10, 2022, 3:11 p.m.)

5 MR. BRYANT: Welcome back. We now have the revenue
6 requirement panel, and as I have with other panels, I'd like to
7 ask you to identify yourself starting with Jacob and going --
8 moving down one by one.

9 (Indiscernible)

10 MR. BRYANT: Oh, sure. Okay, please identify
11 yourself for the record.

12 MR. HURWITZ: Jacob Hurwitz, CMP.

13 MR. COHEN: Peter Cohen, Central Maine Power.

14 MR. MORAN: Kyle Moran, CMP.

15 MR. BRYANT: And are all three of you under oath?
16 Okay, thank you. We'll start questioning with the OPA.

17 MR. LANDRY: Thank you. I'm Andrew Landry, the
18 Deputy Public Advocate, and I'll be asking questions on behalf
19 of our office. Actually, we've got them narrowed down quite a
20 bit and this shouldn't take too long, but I'll start with, on
21 page RRP-15 of the testimony beginning at line 13, you state
22 that the company calculated the write-off factor based on five
23 years to mitigate the effects of the COVID-19 pandemic on the
24 calculation. However, in response to OPA 007-004 it states
25 that the company has not identified any specific writeoffs that

1 are directly related to COVID. I wondered if you could
2 reconcile those two statements and --

3 MR. COHEN: So Peter Cohen. So what we were trying
4 to do here is not -- we originally did the standard calculation
5 which was three years, and it produced a number that was high.
6 And so we chose to use five years which produced a lower
7 expense and reduced the revenue requirement. And our
8 justification was that we were not just capturing a COVID time.
9 But you are correct, we could have had a higher revenue
10 requirement if we had used those three years.

11 MR. BRYANT: And aside from just your subjective
12 judgment, was there any other way in which you were able to
13 determine that using the five years has effectively mitigated
14 the impact of any COVID related --

15 MR. HURWITZ: There is some element of judgment.
16 However, looking at the Table 4 on the page of the revenue
17 requirement testimony that you pointed to -- and I'm sorry,
18 this is Jacob -- you can see that the values in 2020 and 2021
19 are higher than 2017 to 2018. So we picked a five-year average
20 and keep trying to be mindful of the approach taken in previous
21 cases, but at the same time, as Peter said, mitigate the
22 effects of (indiscernible) on the (indiscernible).

23 MR. LANDRY: Thanks. This may be an ODR. Well, I
24 guess this is an ODR. We wondered if you'd be able to update
25 Table 4 on page RRP-16 for '22 -- 2022 year-to-date

1 information.

2 MR. HURWITZ: I'm sure that we could.

3 MR. LANDRY: Is seasonality in --

4 MS. TAYLOR: Just one second. Can I please have the
5 page number reference again? You said RRP page --

6 MR. BRYANT: RRP-16.

7 MS. TAYLOR: Okay, thank you.

8 MR. LANDRY: Table 4.

9 MR. COHEN: So this is Peter. Yeah, there is
10 seasonality to a degree. And so by selecting year to date, we
11 would likely be providing you through September, possibly
12 October. I think you'll minimize that to a degree. What might
13 be more helpful is if we provided you the trailing 12 months so
14 that you get a full 12 months of data even though two months of
15 it is in 2021. That's how you would address these.

16 MR. LANDRY: Yeah, I agree. I'm just wondering
17 whether we need both in order to --

18 MR. COHEN: We can do both. I mean, just one ODR,
19 but we can do it both ways.

20 MR. LANDRY: Okay. Thank you.

21 MR. COHEN: So just add to that it'll be year to date
22 2022 and trailing 12 months.

23 MS. TAYLOR: Okay.

24 MR. LANDRY: Thank you. That's helpful.

25 MR. COHEN: Yeah.

1 MR. LANDRY: Now the next question I have for the
2 next table is the SOP retainage shown on the same table, and we
3 had asked a data request, OPA 007-004, why does the SOP
4 retainage appear only in 2017. And you indicated -- well, you
5 provided your response. I won't read it. If --and it was
6 based on a stipulation and docket 2020-00228. If the
7 stipulation was signed in 2021, why does the SOP retainage
8 credit show up as a 2017 activity?

9 MR. HURWITZ: As described in the response that you
10 pointed to, we made the change in 2018. However, I just wish
11 to clarify that within Table 4, the only line in those first
12 three lines that affects our calculation of uncollectable
13 expense (indiscernible) revenue requirement purposes through
14 the rate years is line number one regarding writeoffs.

15 MR. LANDRY: So the SOP retainage doesn't affect
16 revenue requirements. Is that you're saying?

17 MR. HURWITZ: Correct. As you can see in the later
18 lines of this (indiscernible) amount of writeoffs allocated to
19 distribution which we compared our distribution revenues
20 (indiscernible) write-off factor per dollar of revenue which we
21 (indiscernible) apply for (indiscernible) which the SOP
22 (indiscernible).

23 MR. LANDRY: Okay. Thank you.

24 MR. MORGAN: Drew, can I just interrupt for a quick
25 minute?

1 MR. LANDRY: Sure.

2 MS. HEIMGARTNER: Hold on one second. When you
3 speak, could you speak into the mic, please?

4 MR. MORGAN: Okay, this is Lafayette Morgan. Can you
5 hear me?

6 MR. BRYANT: Yes.

7 MR. MORGAN: Okay. I understand when you say it does
8 not affect the uncollectables, but if it were to have been
9 recorded in 2021, would it?

10 MR. COHEN: This is Peter Cohen, Lafayette. No. So
11 the calculation uses numbered row one, Table 4, writeoffs as
12 the numerator. It does not use numbered row four which is net
13 uncollectables. So the impact of the SOP retainage
14 reclassification line, which is line three of Table 4, it
15 doesn't matter what that is, the percentage would not change.

16 MR. LANDRY: Just to clarify, is that because the SOP
17 retainage is collected through commodity?

18 MR. COHEN: That's the standard offer.

19 MR. LANDRY: Thank you. That's charged through the
20 standard offer price?

21 MR. COHEN: Yes.

22 MR. LANDRY: Okay.

23 MR. MORGAN: Okay.

24 MR. COHEN: Yeah --

25 MR. MORGAN: (Indiscernible). Go ahead.

1 MR. COHEN: Not an ideal presentation here because it
2 is -- not intentionally but is confusing a little bit.

3 MR. LANDRY: We're going to take a point off for
4 that.

5 MR. COHEN: Yeah, well, it's Friday -- or it's your
6 Friday anyways. It's not my Friday.

7 MR. LANDRY: Thank you. To move on to the next item
8 which is you provided explanations -- in your response to OPA
9 007-013, you provided explanations for the change in number of
10 employees. However, I think we requested the budgetary
11 justification for the ejected -- for the projected hirings on
12 Exhibit RRP-3. I wondered if, beside the explanation that you
13 provided on our RRP page three, can you provide documentation
14 that the projected increase in the number of employees shown
15 has been approved?

16 MR. COHEN: So this is Peter. There is a degree of
17 chicken and egg here, right? Because if we are proposing
18 hiring in a rate case during a rate year that hasn't started,
19 it won't start for another nine months, there wouldn't
20 necessarily be approvals yet for those, you know, for the
21 hiring because you wouldn't start recruiting nine months at
22 best. Now the assumption that's used when we layer in
23 incremental hiring isn't the beginning of the rate year. It's
24 actually in the midpoint of the rate year. So we would be a
25 year from when that would be rolling into revenue requirements.

1 That being said, I think it's prudent for us to go
2 back because we're in our budgeting process right now and let's
3 see and make sure that it's in the budget. Yeah, well, we'll
4 confirm whether or not it's --

5 MR. BRYANT: So are you offering to answer an ODR to
6 confirm that it's in the budget?

7 MR. COHEN: I'd like to. Yeah, I'd like to because I
8 think that'll be helpful.

9 MR. BRYANT: So, I guess, Daya, I will ask an ODR for
10 the company to confirm that the positions described on Exhibit
11 RRP-3 at page three are in the budget.

12 MS. TAYLOR: Thank you.

13 MR. COHEN: You know, we --

14 MS. TAYLOR: I'm sorry one clarification. And would
15 that be the 2023 budget?

16 MR. COHEN: Yeah.

17 MS. TAYLOR: Okay.

18 MR. COHEN: But I think in order to provide a most
19 comprehensive, we're going to also provide the current staffing
20 levels as well just so that you can kind of see the walking
21 points.

22 MS. TAYLOR: Okay, thank you.

23 MR. LANDRY: The next one will be an ODR also. This
24 -- but this does refer to OPA 007-021. And in that, you
25 estimated a 63 percent O&M percentage and wondered if you could

1 provide an explanation of how that was derived and provide a
2 supporting calculation.

3 MR. HURWITZ: (Indiscernible) talked a lot -- this is
4 Jacob. We've talked a lot over the last several days about the
5 company's various capital-related proposals and how we've posed
6 a significant increase in capital spending while it's relative
7 to the previous case, and we felt it was appropriate to reflect
8 that expectation in our capitalization ratio that we apply for
9 payroll and pension and other benefit purposes.

10 MR. LANDRY: So did -- is this a judgment or is this
11 -- was a calculation performed in order to come up with this
12 number?

13 MR. COHEN: So the calculation that would typically
14 be performed produced a result of -- this is Peter Cohen --
15 produced a percentage of 67 percent. So what that means is
16 that 67 percent of labor expenses would have been expensed and
17 then the remaining 33 percent would have been capitalized.
18 Recognizing that the company has proposed a three-year rate
19 plan where there is more capital spending than has occurred in
20 the past, it stands to reason that history is not -- I mean,
21 just like capital spending, you know, our contention on capital
22 spending as well, history is not always the best indicator of
23 the future. And in this case, because we have proposed, you
24 know, an increase in capital, we reduced that to 63 percent,
25 meaning that we are only recovering a revenue -- we're only

1 expensing 63 percent. We're capitalizing the rest which,
2 again, is reducing revenue requirement, the company's revenue
3 requirement request. And it was a judgment call.

4 MR. LANDRY: Thank you.

5 MR. COHEN: Yes.

6 MR. LANDRY: That's helpful.

7 MR. SIMMONS: Before you move on, can I ask --

8 MR. LANDRY: Yeah, please.

9 MR. SIMMONS: Do you mind? So I appreciate the
10 explanation because that's helpful. How do you account for the
11 five categories that aren't in the revenue requirement at all
12 and we're going to spend money and then true it up the
13 following year? Does that affect your overhead calculations in
14 a true up or what are you going to do with that?

15 MR. COHEN: So you can go pretty far down the path of
16 this, right? And eventually it does turn into a circular
17 reference if you are following me from an analytical
18 perspective. The 63 percent was in recognition that we asked
19 for 180, 190, and 200 million in capital spending in base
20 rates, plus these programs was what generated the 63 percent.
21 It is entirely possible that it won't be 63 percent, but that
22 was kind of -- the -- what I felt -- this was my call to not go
23 for 67. What I felt was it was too much, given what we were
24 asking. It didn't pass a credibility test. So I took it down.

25 MR. SIMMONS: Okay. And part of that was to account

1 for these unknown expenditures?

2 MR. COHEN: Yeah. I mean, if you really think about
3 this, you have 180, 190, and 200 million, and then you have
4 these other -- you know, these other carve outs or trackers
5 depending on who's speaking and calling them. They're
6 significant. They're not insignificant anyways, but they are
7 dwarfed by the base. And so it's hard for that tip to be
8 moving the iceberg around too much.

9 MR. SIMMONS: Okay. Thank you. I appreciate it.
10 Thanks.

11 MR. LANDRY: Turning to your response to OPA eight
12 dahs -- 008-007, you indicate in that response that you
13 retained PricewaterhouseCoopers for this rate case for the
14 purpose of projecting CMP's pension and OPEB expense during the
15 rate years. Is it correct that PricewaterhouseCoopers
16 calculated the amount that is -- that will be recorded for the
17 rate years? I guess I'll restate that. Did they calculate the
18 amount that was anticipated to be recorded -- expensed during
19 that -- during the rate year?

20 MR. COHEN: Hi, this is Peter. So they are preparing
21 an actuarial study that is used to forecast pension expense.
22 That is what's used to set the revenue requirement, but it's a
23 forecast. They don't -- this isn't something where you could
24 say this is the run out of actuals because there are variables
25 to -- that are assumed that -- you know, like the stock market.

1 And so just also, unlike other jurisdictions like New York,
2 pension costs in Maine aren't reconciled. They don't have a
3 reconciling mechanism. So the company is at risk for those
4 variances here in Maine.

5 MR. LANDRY: So you mentioned that they're doing an
6 actuarial study. When do you anticipate that that would be
7 concluded?

8 MR. COHEN: It was used in our initial rate case
9 filing.

10 MR. LANDRY: Oh, okay.

11 MR. COHEN: Yeah.

12 MR. LANDRY: I thought -- it sounded like it was --

13 MR. COHEN: There is something -- okay, so just -- we
14 have indicated this in an ODR, but I think it's important
15 since, you know -- there was a change in our pension program
16 that does affect the cost that occurred after we ended -- we
17 closed the window on the revenue requirement. And so we've
18 said we're going to be providing an update with our rebuttal
19 with that information. The good news is is that it's a
20 reduction to the revenue requirement. The bad news is it's
21 not, you know, a \$50 million reduction, but it's a -- it's not
22 going to get higher as a result of that. And we're going to
23 add that to our rebuttal.

24 MR. LANDRY: So you'll update the pension and OPEB
25 expense in your rebuttal to reflect the --

1 MR. COHEN: Yeah.

2 MR. LANDRY: -- those -- the changes to your --

3 MR. COHEN: Yeah, it was just there was a policy
4 change that happened, and they had to evaluate it and analyze
5 it and it wasn't done in time for the rate case, but it is now
6 done. So we have to put it in because it's known.

7 MR. LANDRY: So --

8 MR. MORGAN: Drew, can I just interject? This is
9 Lafayette. Is PWC a normal actuary?

10 MR. COHEN: Yes. This is Peter. Yes.

11 MR. MORGAN: Okay.

12 MR. MORGAN: All right, thank you.

13 MR. COHEN: You're welcome.

14 MR. LANDRY: So when was the cost of the study
15 incurred by the company?

16 MR. HURWITZ: The engagement letter we provided with
17 PWC was signed in February of this year. Not sure the precise
18 timing of when we incurred the cost.

19 MR. LANDRY: Okay. But it was this year?

20 MR. HURWITZ: Yeah.

21 MR. LANDRY: And is this included in your rate case
22 expenses that you're seeking recovery of?

23 MR. HURWITZ: Jacob. Yes.

24 MR. LANDRY: Thanks. Wrapping up pretty quickly
25 here, I refer you to the response to Examiners 15-004. I don't

1 know -- you indicate in your response that the continued
2 increase in FERC account 588, miscellaneous distribution
3 expenses, is related to increased interconnection related
4 expenses as well as expenses related to COVID-19. Is it
5 possible that you could provide us the amount that was
6 specifically related to COVID-19?

7 MR. HURWITZ: This is Jacob. Yes, we could. I'm not
8 prepared to do that now, but --

9 MR. LANDRY: Yeah, I understood. So as an ODR, and
10 referencing the response to Examiners 015-004, please identify
11 the portion of the increase in FERC account 588 that are
12 related to COVID-19.

13 MS. TAYLOR: Thank you.

14 MR. LANDRY: And also, I think, referring to the same
15 data request, why are interconnection-related expenses recorded
16 in miscellaneous distribution expenses?

17 MR. COHEN: Drew, this is Peter. We're going to add
18 the clarification of that in our ODR response, but just my
19 opinion is that you incur expenses and then turn around and
20 build the generator in two separate accounts, and then they net
21 out. So this increase is just the increase of interconnection
22 activity that there is an offset to. But we'll confirm that in
23 our response.

24 MR. LANDRY: In the response to the prior --

25 MR. COHEN: That's correct.

1 MR. LANDRY: Yeah, okay.

2 MR. COHEN: Because it's addressing the --

3 MR. LANDRY: One more. Can you identify -- this
4 might be an ODR. Can you identify the interconnection-related
5 expenses that were recorded as miscellaneous distribution
6 expenses?

7 MR. COHEN: So that's --

8 MR. LANDRY: Yeah.

9 MR. COHEN: Yeah.

10 MR. LANDRY: Okay. Is that the same ODR or --

11 MR. COHEN: Yeah, that's the -- the answer that I
12 offered to add to the last ODR is that question. So we'll just
13 leave it in that ODR.

14 MR. LANDRY: And that's all I have.

15 MR. BRYANT: Thank you, drew. Anybody on staff have
16 any questions for this panel?

17 MS. SMITH: Hi, this is Lucretia. Can I ask a quick
18 question?

19 MR. BRYANT: You can.

20 MS. SMITH: The PWC actuarial report, is that
21 something that's done every year to set the pension cost --
22 pension and OPEB cost?

23 MR. COHEN: Hi, Lucretia. This is Peter. So there
24 is work that is done by an actuary on our pension every year in
25 order to settle it. This is unique because it's involves a

1 projection. So I guess my answer to your question is, yes, an
2 actuary does do work for the company every year, but it is a
3 different analysis that is performed for a rate case.

4 MS. SMITH: Thanks. I was --

5 MR. COHEN: -- I'm sorry. Go ahead.

6 MS. SMITH: Go ahead. No, you go ahead, Peter. All
7 right, that's it. Thank you.

8 MR. BRYANT: Does any other party --

9 MR. MORGAN: This is Lafayette.

10 MR. BRYANT: Oh, go ahead, Lafayette.

11 MR. MORGAN: Can I ask a follow up?

12 MR. BRYANT: Yes.

13 MR. MORGAN: With respect to the -- this is where I'm
14 a little bit confused. I asked a few minutes ago if PWC was
15 the normal actuary, and I think you said yes. So -- but then a
16 minute ago, you seem to indicate that there's another actuary
17 that does the costing, and I'm assuming those are the costs
18 that are actually recorded.

19 MR. COHEN: Hi, Lafayette, this is Peter.

20 MR. MORGAN: -- ask you what --

21 MR. COHEN: Hi, Lafayette, this is Peter Cohen. I
22 think I was confusing. I apologize. So what I believe
23 Lucretia was asking is does Price Waterhouse do work for the
24 company every year or just for rate cases? And I had
25 indicated, yes, that they do work for us every year regarding

1 our pension and OPEB plans. They also do this work. So they
2 are our actuary that does both of those. So I wasn't being
3 inconsistent with what I had said to you previously, but I
4 think I garbled myself a little bit. So I apologize for that.

5 MR. MORGAN: Thank you. One more follow up. This is
6 Lafayette. So in my thinking, whatever is projected in the
7 studies that they've done here, when it's updated for the costs
8 that are recorded on the -- for the financial purposes, is that
9 a correct assumption?

10 MR. COHEN: So we are including in the future revenue
11 requirement estimates of pension and OPEB expenses that were
12 produced using the actuarial studies that PWC prepared for the
13 company beginning in February of 2022. The actual costs, as
14 they occur, so they have not yet been finalized for 2022,
15 that's what hits the books. In Maine for Central Maine Power,
16 we are not -- our rate plan does not provide for reconciliation
17 of pension and OPEB costs which is dissimilar to other
18 jurisdictions in New England and not something that we've
19 requested in this case. So we are left with -- any difference
20 between actual and the forecast used to set rates is not
21 reconciled. Does that answer your question?

22 MR. MORGAN: Somewhat. For ratemaking purposes, are
23 we not using the accrual estimate or are we using the cash
24 basis?

25 MR. COHEN: Hi, Lafayette, I just wanted to make --

1 this is Peter -- I just wanted to make sure I have my
2 terminology correct. We're using the forecast information?

3 MR. MORGAN: Which is the equivalent of the accrual
4 amount. I mean, obviously it would be the -- I assume that the
5 study would then be updated going forward before you record
6 what actually hits the books.

7 MR. COHEN: Hi, that's -- so it is using the accrual.
8 This reference for you to see the calculation is workpaper RRP-
9 3-8. And to the extent that information before the end of this
10 case is available to update this -- and I had already mentioned
11 that we are doing an update to this number in rebuttal because
12 of a known change to the plan -- then we would do that update.
13 The company would also be amenable -- if the OPA wanted to
14 reconcile pension and OPEB costs, we would be amenable to that,
15 but I don't know that that would be something you would be
16 proposing.

17 MR. MORGAN: This is Lafayette. Another follow up.
18 So during the test year, was there an amount recorded on the
19 books for fees paid to PWC for doing this actuarial work?

20 MR. COHEN: So PWC does more than just the rate case
21 actuarial studies for the company. So there were costs
22 associated with work they do every year independent of these
23 costs to perform a rate case study.

24 MR. MORGAN: I'm not sure if you answered. So I'm
25 sorry, I'm just trying to make sure I understand. Every year

1 there's some actuarial report that provides the amount for the
2 company to accrue for pensions and OPEB, and the actuarial
3 company gets paid a fee for doing that work. And so I'm
4 wondering if those costs are not included in the cost of
5 service.

6 MR. HURWITZ: This is Jacob. I'll take a crack at
7 answering your question. So as Peter described, PWC routinely
8 does work for the company, including producing actuarial
9 reports that we use to book the costs, book expenses in that
10 year. However, for this rate case, they've prepared a special
11 unusual report, for which we've produced the engagement letter,
12 that we used to forecast pension and OPEB expense for rate case
13 purposes. You'll see the revenue requirement workpaper Peter
14 pointed us to, Exhibit RRP-3-8, pension and OPEB expense,
15 includes amounts going out five years into the future. So
16 we're not booking any expense for 2026 this year obviously. So
17 it's -- I think we're getting a little bit confused by your
18 question, but please let us know if that doesn't address it.

19 MR. MORGAN: Your response was helpful. Thank you.

20 MR. BRYANT: Lucretia, do you have a follow up?

21 MS. SMITH: I do. Just out of -- is PWC your auditor
22 for your financial statements or is there another -- do you
23 have another audit firm that does your audits?

24 MR. COHEN: Lucretia, this is -- oh, this is Peter,
25 Lucretia. I have to be honest. In regulatory I don't know who

1 it is right now. Your public accounting firm rotates not every
2 year but there is a regular rotation that occurs, and I don't
3 know that it is PWC right now or not. I have to say I'll have
4 to take an ODR to tell you who it is because I don't have
5 anybody here -- this is the curse of being the last panel is I
6 don't have many people I can look to help me answer that
7 question, but I'll have to take an ODR.

8 MS. SMITH: That's all right. That's not necessary.
9 I can find out by looking at the reports that were filed so --

10 MR. COHEN: Oh, okay. It might be KPMG Kyle is
11 saying so --

12 MS. SMITH: That sounds like -- I remember seeing a
13 printout with their name, but it could be somebody else but --

14 MR. COHEN: There is a tendency to have it change. I
15 think it's every three years or so, but -- yeah.

16 MS. SMITH: Thank you. I'm all set, Eric.

17 MR. BRYANT: Okay. Thank you, Lucretia. The OPA is
18 done?

19 MR. LANDRY: Yes, thank you.

20 MR. BRYANT: Okay. Any questions from any other
21 parties for the revenue requirement panel? Hearing none --

22 MR. SIMMONS: Were you going to go down your list of
23 questions on Power Tax, Eric?

24 MR. BRYANT: I'm going to submit those as --

25 MR. SIMMONS: As ODRs --

1 MR. BRYANT: -- ODR set four. Thanks for reminding
2 me. No, never learned about Power Tax and I don't intend to.

3 MR. COHEN: I'm going to say --

4 MR. BRYANT: No offense, Peter.

5 MR. COHEN: I sure you're not going to ask me those
6 questions. He's retired.

7 MR. BRYANT: Oh, okay.

8 MS. SMITH: I have to say, Peter, I was just as
9 frightened as you might have been when he mentioned Power Tax.

10 MR. COHEN: That's right, Lucretia. We did live that
11 one, didn't we?

12 MS. SMITH: Yes.

13 MR. BRYANT: Okay. So the regulatory requirements
14 panel is excused. Thank you for your responses. And I believe
15 we are done with the questioning in the technical conference.
16 Nora wants to put a note on the record about the meeting coming
17 up.

18 MS. HEALY: Yes, I think so people know, the meeting
19 that we had discussed a between CMP and staff to work through
20 the -- CMP's reliability tool or calculator we're scheduling
21 for next Tuesday at 9:30. It's going to be conducted by Teams.
22 It will be recorded, and, of course, any party that wants to
23 attend, please let us know. Drew and Susan, I've sent you an
24 invite already, including Bill, but have not -- I'll wait. If
25 other parties want to attend, please let me know and we'll

1 include you in the invite.

2 MR. BRYANT: And we'll be issuing a procedural order
3 as well. So let's -- can we go off the record?

4 MR. DES ROSIERS: Well, just one -- it can be off the
5 record. It's fine.

6 MR. BRYANT: Maybe just put this on the record. The
7 responses to DER set two, which is -- I think there are now 50
8 questions -- no, 49 questions, and my one question in ODR three
9 will be due November 22nd. And so with that, let's go off the
10 record.

11 CONFERENCE ADJOURNED (November 10, 2022, 3:46 p.m.)

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C E R T I F I C A T E

I hereby certify that this is a true and accurate transcript of the proceedings which have been electronically recorded in this matter on the aforementioned hearing date.

A handwritten signature in cursive script, reading "D. Noelle Forrest", is written over a horizontal line.

D. Noelle Forrest, Transcriber