April 26, 2022-9:02 a.m.

RE: DE 21-138
LIBERTY UTILITIES (GRANITE STATE ELECTRIC) CORP.
2022 Reliability Enhancement Program and Vegetation Management Program Plan (Hearing)

PRESENT: Chairman Daniel Goldner, Presiding Commissioner Pradip Chattopadhyay

Tracey Russo, Clerk

APPEARANCES: Reptg. Liberty Utilities (GSE) Corp.: Michael J. Sheehan, Esq.

Reptg. N.H. Dept. of Energy: Paul B. Dexter, Esq.

Court Reporter: Susan J. Robidas, NH LCR No. 44
\{DE 21-138\} [HEARING] \{04-26-22\}

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PROCEEDINGS
CHAIRMAN GOLDNER: Okay. Good morning, everyone. I'm Chairman Goldner. I'm here with Commissioner Chattopadhyay. We're here in Docket DE 21-138 for a hearing regarding the Liberty Utilities 2022 Vegetation Management Program.

Let's take appearances, beginning with Liberty.

MR. SHEEHAN: Good morning, Commissioners. Mike Sheehan for Liberty Utilities (Granite State Electric) Corp.

CHAIRMAN GOLDNER: Thank you.
And the New Hampshire Department of
Energy.
MR. DEXTER: Thank you, Mr.
Chairman. Appearing on behalf of the
Department of Energy, Paul Dexter. I'm joined today by Jay Dudley and Scott Balise from the Regulatory Support Division.

CHAIRMAN GOLDNER: Thank you.
For preliminary matters, we're here to resolve a simple issue: The budget for the 2022 Vegetation Management Program, which
the Settlement Agreement stipulates is $\$ 2.2$ million plus 10 percent, or 220 K additional. Recently in DE 22-014, there was discussion of a carry-forward which will be decided in that docket. Is there anything else we need to discuss today?

MR. SHEEHAN: No, those are -- we understand those are the issues that are noticed for this hearing, yes.

CHAIRMAN GOLDNER: Thank you.
Mr. Dexter.
MR. DEXTER: I might have phrased it differently, in terms of this being a "budget" hearing. But I think essentially what you said covers it. And I'll get into that in my questioning and in my closing.

CHAIRMAN GOLDNER: Okay. Thank you, Mr. Dexter.

Exhibits 1 through 8 have been prefiled and premarked for identification.

We did receive a late-filed Motion for Confidential Treatment, Attachment DOE 1-6.2, Confidential Attachment DOE 1-6.3, and Exhibit 2. I'll note that the pagination
appears to be off.
Are there any objections to
accepting this late-filed motion?
MR. SHEEHAN: With respect, the rules require the motion be filed prior to hearing, so $I$ don't believe it's late-filed. That's the standard practice for when you have discovery responses during the course of a docket filing; the motion needs to filed prior to hearing. I have nothing further to add.

CHAIRMAN GOLDNER: Okay. Mr.
Dexter.
MR. DEXTER: I haven't had a chance to review the motion, but $I$ would expect that it's the typical motion that Attorney Sheehan just described, and I don't expect the Department will have any objection to it.

CHAIRMAN GOLDNER: Okay. Very good. Yeah, maybe, Mr. Sheehan, my comment, in the Order of Notice it says everything needs to be filed two days ahead of time. Is there an exception to this?

MR. SHEEHAN: The rule that governs
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the confidential treatment of discovery responses specifically requires that it be filed prior to hearing. The purpose is to put the parties on notice that the -- let me back up.

When we respond to discovery requests that have confidential information, rather than litigating confidentiality during the course of the case, we send information to the parties with an assertion that we do assert confidentiality for these reasons, and we will file a motion prior to hearing to confirm that. Typically that happens shortly before a hearing. The vast majority of time it's not contested, and the Commission can roll that issue into its order. Occasionally we file at the outset of a case if our initial filing has confidential information, and sometimes that can be addressed during the course of the hearing. This is how it's been handled according to the 200 Rules.

CHAIRMAN GOLDNER: So is there any
reason it couldn't have been filed with the original filings I think you filed last

Friday? Is there a reason why it was later?
MR. SHEEHAN: I was notified by DOE that they wanted to mark Exhibit 2 on Friday, and so the motion covers that piece as well. So I had the weekend to write it.

CHAIRMAN GOLDNER: Okay. Thank you, Mr. Sheehan.

All right. Is there anything else we need to cover regarding exhibits?

MR. DEXTER: Nothing from the Department.

CHAIRMAN GOLDNER: Okay. The Commissioners have reviewed the prefiled testimony and other exhibits and have no need of the witnesses summarizing their testimony. After cross-examination by the Department of Energy, we anticipate -- we, the Commissioners, anticipate having a few questions.

Are there any other preliminary matters to discuss before we have the witness panel sworn in?

MR. SHEEHAN: No, sir.
CHAIRMAN GOLDNER: All right.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

Let's proceed with the witnesses. Ms. Robidas, would you please swear in the panel of witnesses.
(WHEREUPON, HEATHER M. TEBBETTS, HEATHER GREEN and CHRISTOPHER STEELE were duly sworn and cautioned by the Court Reporter.)

CHAIRMAN GOLDNER: Thank you. And we'll move to direct with -- unless, Mr. Sheehan, you have any clarifications, I guess it would just be the qualification of the witnesses and adoption of their prefiled testimony.

MR. SHEEHAN: That's fine. We had planned to at least tee up some of the conversations we had last week, which we had on the VMP reconciliation hearing. We had kind of said here's some things to think about because we're going to come back next week for this hearing. And I have literally two minutes of questions, if you'd like me to do those. Or I'm happy to wait until the Commissioners ask questions and we may get there anyway.
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CHAIRMAN GOLDNER: Okay. I think it's probably a good two-minute investment, so please proceed.

MR. SHEEHAN: First we'll introduce the witnesses and adopt testimony.

DIRECT EXAMINATION
BY MR. SHEEHAN :
Q. Begin with you, Ms. Tebbetts. Please introduce yourself, describe your position with the Company and the role you had in drafting the testimony that's been marked as Exhibit 1.
A. (Tebbetts) My name is Heather Tebbetts, and I am the manager of Rates and Regulatory Affairs for Liberty Utilities. I am employed by Liberty Utilities Service Company, and in my role I am responsible for rate-related matters for Granite State Electric.
Q. And you participated in the drafting of the testimony that's been marked as Exhibit 1; is that correct?
A. (Tebbetts) Yes.
Q. Do you have any changes to the portion of your testimony for which you were
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
responsible?
A. (Tebbetts) No.
Q. And do you adopt that testimony, written testimony, as your sworn testimony this morning?
A. (Tebbetts) Yes.
Q. Thank you.

Ms. Green, same question. Can you please introduce yourself?
A. (Green) Heather Green.
Q. And your position with the Company is what?
A. (Green) Manager of vegetation management.
Q. Did you participate with the other people next to you in the drafting of the testimony that we have marked as Exhibit 1?
A. (Green) Yes.
Q. And do you have any changes or corrections to the testimony that you'd like to bring to the Commission's attention this morning?
A. (Green) Bates Page 12, Line 18, it's missing the word "not" as the third word in the line.
Q. And just read the sentence so we --
A. (Green) "The workforce issue is [not] limited to New Hampshire, New England, or East Coast \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
phenomenon."
Q. Thank you. With that correction, do you adopt your written testimony as your sworn testimony here today?
A. (Green) I do.
Q. And very briefly, is it fair to say that the request in this docket is for the Commission to approve the proposed 2022 budget and the work plan that builds that budget? Is that correct?
A. (Green) Yes.
Q. We heard last week about the various issues in completing the work in 2021, and it's a significant portion of the testimony here. We are now four months into 2022. Can you just briefly tell us where the Company stands?
A. (Green) We have completed 42, approximately 42 miles and approximately $\$ 700,000$ worth of work.
Q. And based on the plan for all of 2022, do you consider that to be on track?
A. (Green) Yes.
Q. Part of the rest of the work in 2022
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requires -- is based on new contractors
starting work soon; is that fair?
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A. (Green) That is correct.
Q. And are you comfortable that those new contractors will do the work that you expect them to do for the balance of 2022?
A. (Green) Yes. Before we put out the bids, we did ask them if they had workforces and time, and they responded they did.
Q. And you expect -- and those bids, as I understand it, are coming back this week. Is that correct?
A. (Green) Yes.
Q. So when you pick a winner, you expect that company, based on your conversations, to have the people to do the work that they're bidding to do.
A. (Green) Correct.
Q. And as I understand it, there's also a new piece of equipment that will be available to the Company for the first time this summer; is that correct?
A. (Green) That is correct. We'll have both mechanized mowers and mechanized pruners on
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

|  | our system for roadside work. |  |
| :---: | :---: | :---: |
| 1 |  |  |
| 2 | Q. | That's not something we've had available to |
| 3 |  | us in the past; is that fair? |
| 4 | A. | (Green) That is correct. |
| 5 | Q. | Thank you. |
| 6 |  | Mr. Steele, please introduce yourself |
| 7 |  | and describe your position with Liberty. |
| 8 | A. | (Steele) Good morning. My name is |
| 9 |  | Christopher Steele. I am the senior director |
| 0 |  | of electric operations for Liberty Utilities. |
| 1 | 2. | And Mr. Steele, you are relatively new to |
| 2 |  | Liberty; is that correct? |
| 3 | A. | (Steele) That is correct. |
| 4 | Q. | You started when? |
| 5 | A. | (Steele) I became employed with Liberty |
| 6 |  | Utilities April 12th, 2021. |
| 7 | Q. | And prior to working for Liberty, you spent |
| 8 |  | your career in Florida for Tampa Electric; is |
| 19 |  | that correct? |
| 20 | A. | (Steele) That is correct. I spent over 21 |
| 21 |  | years with Tampa Electric Company in various |
| 22 |  | leadership roles throughout the organization |
| 23 |  | in operations. |
| 24 | 2. | And somehow you managed to get through 20 |

[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
years without ever testifying; is that correct?
A. (Steele) That is correct. This is my first time testifying this morning.
Q. And Mr. Steele, did you participate in the written testimony with the two Heathers next to you that we've marked as Exhibit 1 this morning?
A. (Steele) Yes, I did.
Q. And do you have any corrections that you'd like to bring to the Commission's attention to that written testimony?
A. (Steele) No, I do not.
Q. And do you adopt that written testimony as your sworn testimony today?
A. (Steele) Yes, I do.
Q. And the one topic that $I$ mentioned to the Chairman that we could spend two minutes on has to do with the discussion that began last week over the Company being on a four-year-cycle versus a five-year-cycle.

Were you present in the room last week when that conversation occurred?
A. (Steele) Yes, I was.
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. And is it fair to say the Company's currently on a four-year cycle, meaning it intends to trim one fourth of its lines each year?
A. (Steele) No, they are not.
Q. But we're supposed to be.
A. (Steele) We are supposed to be. That is correct.
Q. And that was part of the settlement Agreement in the last rate case, was that we would continue a four-year-cycle that had started some years prior.
A. (Steele) That is correct.
Q. And I think the question came from the Bench, "Has the Company considered moving to a five-year-cycle?" Do you recall that?
A. (Steele) Yes, I do.
Q. And having a week to think about that further, can you just give us a high-level description of what the Company intends to do -- well, let me break that into pieces. The work plan that's before the Commission today in the 2022 budget calls for a certain number of miles to be worked; is that correct?
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Steele) That is correct. We are expecting 153 miles in 2022.
Q. And that is based on the budget that we proposed and the workforce that's available to do that work; is that fair?
A. (Steele) That is correct.
Q. If you had twice as much money, could you do twice as much work?
A. (Steele) No, I could not.
Q. And that's because of the workforce issues?
A. (Steele) That is correct. We would be unable to obtain the vegetation management crews and allow for provisions. When we think about where we are in the year, already being approximately halfway through the year, it would be impossible to -- it would be very hard to obtain that we could trim double the amount of miles if given additional money.
Q. Is it fair to say that the plan for 2022, although we are supposed to be on a four-year-cycle, is consistent with a five-year-cycle?
A. (Steele) That is correct. Listening to Ms. Green and hearing about the mechanized
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
trimmer, there is an opportunity for additional efficiencies. There's a potential that Liberty Utilities could trim up to 175 miles this year, which would put Liberty Utilities on a five-year-cycle.
Q. Would you, as the ultimate person ultimately responsible for the work, vegetation work done by Liberty, prefer to be on a four-year -- a five-year-cycle beginning now?
A. (Steele) Yes, I would.
Q. I understand that's not a formal request in this petition. But it was a topic discussed last week, and it is something you would like to do.
A. (Steele) That is correct. I believe when we think about our customers and what is best for the customers, our system and the efficiencies, that a five-year-cycle makes sense. We would be very open to transitioning to a five-year-cycle now and beginning that work in a separate forum.
Q. And regardless of what can happen either in this docket or now, it is the Company's intention to formally request to move to a
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
five-year cycle in the rate case that we expect to file next summer; is that correct?
A. (Steele) That is correct.

MR. SHEEHAN: Thank you. Those are all the questions I have.

CHAIRMAN GOLDNER: Thank you, Mr. Sheehan.

Move to cross-examination, and I'll recognize Mr. Dexter.

MR. DEXTER: Thank you, Mr.
Chairman. I have some prepared questions, but I want to start with some impromptu questions based on the direct that $I$ just heard.

CROSS-EXAMINATION
BY MR. DEXTER:
Q. Ms. Green, you mentioned that there are some, quote, new contractors that will be on the system soon. Can you describe who those contractors are and what they will be doing?
A. (Green) There are two circuits in Salem that are approximately 30 miles. So we have put out to bid those two circuits. The contractors, you want the names of the
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
contractors that are bidding?
Q. Well, so I guess a couple of questions. It sounds like they're not under contract, but they're responding to bids; is that accurate?
A. (Green) Correct.
Q. Okay. So is this in addition to the work that was described in Exhibit 1, which is your testimony, which, as I recalled, was going to be done by Asplundh and -- by Asplundh alone, I believe; is that right?
A. (Green) I don't know if that was put in the testimony that it was Asplundh alone.
Q. Well, let me phrase it this way: When we get into the testimony in Exhibit 1, we'll see that the plan calls for 153 miles of planned cycle trimming; correct?
A. (Green) Correct.
Q. Okay. Is the RFPs that you described on direct, is that in addition to the 153 miles, or is that part of the 153 miles?
A. (Green) That is part of the 153 miles.
Q. And if $I$ were to get into Exhibit 2, I believe, which is the contract with Asplundh -- and I don't think this is
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
confidential -- weren't they under contract to do all the work in 2022?
A. (Green) They were.
Q. So have circumstances changed? Are they not -- is it not the plan for Asplundh to do the work as laid out in Exhibit 2 under contract?
A. (Green) Part of that conversation was for them to secure the additional workforce, and they have not been able to do that. So we want to get the work done, so we got -- we are moving forward with getting additional workforce to get that work done.
Q. Okay. Thanks. So we'll get into that more as I go through the prepared questions that I had.

So I want to get back to the basics, and I want to start on Exhibit 1, Bates 23, which is Appendix 1. And I would like to ask you to confirm that the plan that's presented before the Commission today for approval calls for 153 miles of cycled trimming. Is that right?
A. (Green) Yes.
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Q. And that appears on Line 2, in the column labeled "2022 Proposed Expenses"; correct?
A. (Green) Yes.
Q. Okay. And the dollar figure that was estimated back in November of 2021 when this exhibit was put together was $\$ 3,069,000$ correct?
A. (Green) Yes.
Q. Okay. And that budget -- none of that either planned miles or budget figures need to be updated at this time; correct? Those are still the correct budgeted figures?
A. (Green) Correct.
Q. Okay. And we've discussed this in last week's hearing, as well as a couple of the technical sessions, so some of this may sound repetitive, but $I$ just want to make sure I get it on the record today.

Liberty Utilities is operating under a four-year trim cycle as a result of the rate case settlement established in DE 19-064; correct?
A. (Green) Yes.
Q. And what four years were covered under that
four-year cycle that was set out in that 19-064 settlement?
A. (Green) 2021 to 2024.
Q. So 2021, last year, how many miles -- when that settlement was arrived at, how many miles were planned for 2021?
A. (Green) Two hundred thirty-five.
Q. And how many were planned for 2022?
A. (Green) I don't have that number. Can I give a number that's in the -- 202? The 202 is what's in my mind.
Q. Two hundred and two?
A. (Green) Yes.
Q. Do you know for 2023 and 2024 how many miles are planned?
A. (Green) I do not.
Q. Does anybody else on the panel?
A. (Green) Give me one moment.
(Witness reviews document.)
A. (Green) I believe 214 and 219.
Q. So if I added all those up, I get to 860 or so miles. Does that cover the entire system?
A. (Green) It should come to about 874, which are roadside miles. We have approximately

## [WITNESS PANEL: TEBBETTS|GREEN|STEELE]


[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
in this case?
A. (Green) To meet the budget constraints and the workforce constraints.
Q. So let's talk first about the budget constraints. Would you describe the budget constraints, please.
A. (Green) How so?
Q. Well, you said that the reason that less than -- that 153 miles was proposed instead of 202 miles as contemplated in the rate case settlement. And when I asked you why, you said it was due to budget constraints. So my question is if you could provide more detail about those budget constraints, please.
A. (Tebbetts) So for a little bit of background, in Docket DE 19-064, we had a test year that provided for about $\$ 1.9$ million in spending after Consolidated paid their share of the trimming costs, based on a contract we had with them at the time. During that period of the rate case, we found out that, and after settlement negotiations were I believe completed, we found out that Consolidated would no longer be paying a portion of the
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
trimming costs. With that, we still entered into the Settlement Agreement, and it was approved to spend 2.4 or so million dollars a year in trimming costs for vegetation management.

So in 2020, when that settlement was approved, we went out to bid to find a contractor who could meet that dollar value and still get the roadside trimming completed. And so we were able to find someone who bid that budget. And so when Ms. Green talks about budget constraints, as we described in our hearing in our vegetation reconciliation plan last week, unfortunately Clearway did not work out as the contractor. And because they didn't work out, we had to pivot and make some decisions on what we were going to do about trimming, and we had to hire some contractors, who did not fit what we had planned on doing with regards to spending. And so when Ms. Green talks about the 2022 plan, we had anticipated Clearway to be part of this process for four full years. Unfortunately, that didn't work out.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

So looking at the dollars that we anticipated to spend over the period of the four-year cycle, Ms. Green, if you want to further describe, you know, those pieces of it that we had to cut back on, given that the costs associated with hiring Asplundh and other bidders along the way has increased our costs.
A. (Green) So the budget constraints go back to our experiences in 2021. And we were -- as Ms. Tebbetts replied, we had found a solution that met the budget requirements with a contractor. Since that contractor is not on property any further, the same work comes in at another million dollars more, and the workforce is also not available. So when -as we adjust and pivot to the next available resource, whether it be the financial resource or the workforce resource, we've adjusted to meet the allocations and the funding that we have. Initially we had a plan to exceed the 2.4 -- 2.2 plus 10 percent -- to accomplish more miles than what you can obtain with 2.2. So in working
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
with the restrictions of what it truly costs after the rate case, the bid numbers came in significantly higher, and Clearway was the only one that came in at the bid -- at the budget allocation. And I believe in the testimony it has the percentage of increase the next bidders were.

So the cost of doing work is significantly higher than was experienced previously. The loss of Consolidation credits is impacting us in the hundreds of thousands. The cost of doing work, loss of Clearway, I believe that answers the question.
Q. Yes, thank you. And then the second thing that you mentioned when I asked why 153 miles was proposed in this case as opposed to the 202 miles that was contemplated in the rate case settlement, the second factor you cited was workforce issues I think was what you said. Could you describe those. And if we've gone over this before, maybe you can just summarize what those workforce issues are.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Green) The trade industry in general is experiencing lack of recruitments. Arborists or tree workers being one of those trades is no exception. Before the trades were experiencing issues, the whole arborist community had a concern and a high priority drive to work to recruit new people into the industry.

So, first of all, there's not a lot of people out there that do the work that we need them to do that are skilled. Secondly, people in the entire world seem to have a concern or lack of ability to fill their workforce needs. We are seeing, I think I heard 10 percent -- and I can't remember the word. But those are 10 percent of positions that are vacant and actively being pursued to be filled in our local contractors' world. So the contractors are having a hard time filling those positions. And those that were on our system left the industry completely or went where they can get more pay. So there is a competition to fill those seats.
Q. Okay. Thanks for that summary.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

So again, I'm still on Appendix 1, which is Exhibit 1, Bates Page 23. And there's a column here labeled, "2022 Fully Funded Expenses," 356 miles at 5.471 miles -$\$ 5.471$ million. Do you see that?
A. (Green) Yes.
Q. Is it fair to say that that level of trimming on Line 2, 356 miles, is not contemplated and is not proposed in this case?
A. (Green) That is correct.
Q. Is it fair to say that that's more for illustrative purposes, to indicate what it might cost if you were to attempt to do the 356 miles?
A. (Green) Yes.
Q. And I think Mr. Steele touched on this earlier. In fact, it's the Company's position that that's just not achievable, either the miles or the budget, given the current work conditions that you described. Is that fair? I think -- let me just leave it at that.
A. (Steele) That is correct.
Q. Okay. And I believe the way Attorney Sheehan
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
phrased it was, even if money wasn't an issue, you know, would you be able to do more miles, or something like that. And your answer was "No"; correct?
A. (Steele) That is correct.
Q. Okay.
A. (Steele) We would be unable to secure the resources to do the work.
Q. Okay. So does the 153 that's proposed represent a balance of what -- not a balance, but represents what's achievable in 2022?
A. (Steele) That is correct.
Q. And I think I heard you say that with some efficiencies, that that number may go up to 175 miles or so. But that's within a bandwidth, if you will, a reasonable bandwidth of 153 miles?
A. (Steele) That's correct. When you heard Ms. Green talk about issues in the workforce, the workforce, as you know, with less folks, they are also determining different ways to accomplish the same work -- i.e., mechanized trimming. And it allows for efficiencies potentially with the same amount of folks

## [WITNESS PANEL: TEBBETTS|GREEN|STEELE]

trimming. So there's a potential there that we would see those efficiencies and therefore get closer, get a few more miles within a realm of reasonableness.
Q. Can you describe briefly what the mechanized trimming and mechanized pruning involves as compared to what you've had available to you in the past?
A. (Steele) I'm not an expert on that. If I could turn that to Ms. Green --
Q. Sure. The question is to the panel. Absolutely.
A. (Green) And the question again was describe the process?
Q. Yeah. In other words, in your testimony you mentioned that you now have access to mechanized mowers and pruners for roadside work. If you would, just give a brief description of what that is and how that compares to the way the work's been done in the past years.
A. (Green) Previously -- well, typically work is done with a human in a bucket truck raised up to the canopy to do the pruning. With some \{DE 21-138\} [HEARING] \{04-26-22\}
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of this new machinery that's been slowly being introduced into the industry, you can operate a mower head on an arm. Almost like a video game, you operate it from the ground in the bucket of a cab. And because they don't have to elevate themselves and they don't have to reset the truck and the outriggers every couple feet, it can actually drive down the right-of-way, the roadside and off-road and make those cuts. So some of the efficiencies we've seen is one to six miles done in a week by this machine, one crew; whereas that same crew in a bucket, setting up, pruning, going down, setting up, is maybe eight-tenths of a mile in that same week. So we have some efficiencies. What we do lose, and some of the hesitation to use it previously, is some of the quality cuts that we like to see professionally. So we're losing a little bit in quality, but it's reasonable given the situation that we're in.
Q. So if $I$ understood that, there's no longer a human up in the bucket. There's a machine --
A. (Green) There is a human behind a joystick in
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
the cab. So there's still a human involved, but it has a mechanized arm with a saw.
Q. Okay. Thanks for that description.
A. (Green) Can I add one more thing?
Q. Sure.
A. (Green) Additionally, by mowing, there's some machines that can mechanically mow the right-of-way for the flat cutting we described, the brush, the capable brush that goes up. So by putting a machine to do that, we get some efficiencies as well. And that technology has improved as well. We've only used the mechanized mower on the off-road supply line this last year. So putting that on our roadside allows us, once again, efficiencies because a tree worker doesn't have to be bending over with a chainsaw to cut that piece by piece.
Q. Okay. Turning back to Appendix 1 again, Exhibit 1, Bates 23. What's not on Appendix 1 is a column that would show 202 miles, which as we discussed was contemplated in the settlement, and a breakdown of the costs. Did the Company prepare such an analysis?
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Green) I did not prepare a full budget for 202 miles.
Q. Okay. In the testimony on Exhibit 1, Bates Page 19, at Lines $10,11,12,13$, in that area, there's a statement about the difference between the budget that's in Appendix 1 of 3,069,000 and the rate case allocation of 2,420,000. That difference of 649,000 will, quote, come from earnings and -- well, it says will come from earnings. Can you explain what that means?
A. (Steele) Mr. Dexter, I'm going to take that question, if that's okay.
Q. Sure. All my questions are to the panel, so --
A. (Steele) Okay. My apologies.
Q. No, no problem at all.
A. (Steele) Rookie mistake.
Q. No problem at all.
A. (Steele) The word "earnings" in this term -in this context, the team at Liberty, when we looked at the budget, looked to the 2.4 million, and we thought about what was important to the operation of the Company.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

And we knew going into 2022 that 2021, with Clearway leaving us, losing approximately two months in a strong cycle by the time Asplundh could re-mobilize, that we were going to have less miles. And $I$ challenged my entire organization at Granite State to find efficiencies within the business to fund additional tree trimming. So it was within my operations budget that we found efficiencies in the business, but not to sacrifice safety, life, and commercial operation of the company. We were able to find small efficiencies throughout the business to make available approximately 600,000 for us to spend on vegetation management as opposed to just typically spending approximately 2.4 million.
Q. And I take it from that statement that this will come from earnings, that there was not an attendant request to then come in and increase the allotment in rates to make up for that 649,000; right?
A. (Steele) That is correct.
Q. In other words, there's no rate request in \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
this docket.
A. (Steele) No, there's not.
Q. Okay. Okay. Now, last week there was a rate request, in the sense that there was $\$ 549,000$ that was unspent in 2021, and the Company asked for authority to defer that money for future veg management expenditures, a request that in fact the Department of Energy recommended as a good idea. Do you recall that?
A. (Tebbetts) Yes.
Q. And what is the Company's proposal -- let me rephrase that because there's no proposal. We established that.

What is the Company's plans for the $\$ 549,000$ that you requested to be deferred?
A. (Steele) The Company's plans are to spend approximately $\$ 3$ million to trim 153 miles, with the potential to spend -- with the potential to trim up to 175. That's our plan. That's what we've worked out. It's coincidental -- and I think that's important -- that the number we put in the budget is the same number when you kind of do \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
the math, that that's what customer -- that's what we had already collected. That was unknown at the time.
A. (Tebbetts) So as of the date of this filing, which was November 15, 2021, we had not completed our 2021 year for vegetation management. And so we did not anticipate at the time we would have collected the $\$ 2.42$ million and have $\$ 549,000$ left over from that collection to be then put towards 2022.
Q. Okay. So there's -- again, I'm trying to nail down these miles, as we've tried to do over the last couple weeks. And there's a couple more miles figures in the testimony $I$ want to ask you about because I don't understand where they come from.

So if I go to Bates Page 19 at Line 9, there's a statement that says -- well, it starts, actually, on Line 7 or Line 6. It says for calendar year 2022, Liberty identifies a cost of $\$ 5.4$ million, and it references Appendix 1, to continue with the four-year cycle and catch up on 2020 and 2021
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
deferred miles, for a total of 376 miles -I'm sorry, 276 miles. I would have expected that Line 9 to say for a total of 356 miles, as shown on Appendix 1. Am I missing something, or should that be 356 miles?
A. (Green) One moment.
(Witness reviews document.)
A. (Tebbetts) So I actually think that number should say 203. The way the sentence should read is -- what we're explaining here is we're trying to catch up on those deferred miles from previous years. So that should say 203 miles, not 276. That number should match Line 1 -- that number should match Line 1 in the column, "Calendar Year 2022 Proposed Expenses," on Bates 23. So what we're summing is the total deferred miles, not the total miles to be trimmed.
Q. Okay. And so where does the 203 total of deferred miles come from? When did -- over what period of time, if you could break that down by year I guess is what I'm asking.
A. (Green) The way that was calculated is this proposal of 153 , when we identified those
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
circuits that would be worked, and we identified all of the circuits that hadn't been worked to that date but intended to be worked to that date, when you add the mileage of those circuits that did not meet the schedule, that's where you get the 203.
Q. And do you know over what period of time that 203 total of deferred miles accrued?
A. (Green) So each circuit, the only -- the 13L3 probably is the oldest one and had some difficulty with Clearway, so that half of that deferred forward.
Q. From what time frame?
A. (Green) 2020, which should have been done, completed by March of 2021. That's in Salem.
(Witness reviews document.)
A. (Green) The remainder consists of many from 2021 and also from 2022.
Q. So this can't have included work deferred from 2022 because this document was put together in 2021; correct?
A. (Green) No, it is work that should have been done in 2022, was not in the plan. So that is also included.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. Okay. So this includes both actual and projected deferred work from 2020, 2021 and 2022, for a total of 203 total miles of deferral; is that correct?
A. (Green) Yes.
Q. All right. Now, I think we've established in 2021, 234 miles were planned; correct -- or 235 miles were planned you said today.
A. (Green) Yes.
Q. And 90 miles were accomplished; correct? We covered that last week.
A. (Green) I think it was 84 we're thinking.
Q. Eighty-four miles was?
(Witness reviews document.)
A. (Green) Yes.
Q. So then I get a number of miles deferred from 2021 of 151 miles. That's 203 minus 84.

Does that sound right?
A. (Green) Say that one more time, please?
Q. Is it correct that 151 miles of work was deferred from 2021? That's 235 minus 84. (Witness reviews document.)
A. (Green) Yes.
Q. Okay. All right. So one more quick question
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]


## [WITNESS PANEL: TEBBETTS|GREEN|STEELE]

19, it says in 2021 the Company deferred an additional 74 miles to 2022 as a result of the contract issues and subsequent workforce issues in 2021. I think based on the prior discussion that number is low and that it should 151 miles, based on what you just answered. Is that correct or, again, is there something I'm not seeing?
A. (Tebbetts) So at the time, as we described earlier, when this was filed, we had anticipated -- I think we described this last week at our hearing. We still had anticipated other companies coming on property and that they were going to complete those extra miles. It subsequently happened that they did not come on property to complete the miles. So at the time, this was correct. But now we can see it's no longer the case.
Q. So you would agree, then, as we established earlier, the actual number of miles deferred in 2021 was more like 150 miles and not 74, as projected at the time.
A. (Tebbetts) That's correct.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. Okay. All right. Thank you for clearing that up.

So moving from the miles to the actual cost categories on Exhibit 1, Appendix 1, which is Bates 23. On Line 4 there is an amount for work planners for vegetation management. And again I'm taking some information from the case last week, which was the 2021 reconciliation. The number that's proposed on Line 4 is 350,000 -351,000. That's very close to the actual number from 2021, which was 360,000 . Would you agree?
A. (Green) Yes.
Q. Now, I believe what I took from last week's hearing was that, for the $\$ 360,000$ that was spent on work planning in 2021, a lot of that would apply to 2022 because the actual trimmed miles in 2021 were so much lower than what was planned. Do I recall that correctly?
A. (Green) State the question one more time?
Q. Sure. Last week, I believe I recall the panel, a slightly different panel, testifying
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that a lot of the work planner work that was done in 2021 would apply to work that would be accomplished in 2022. Is that right?
A. (Green) The work planning work does not align directly with the performance of work. So it's done ahead of time. So, yes, some of the work was for 2021 , some of the work was for 2022, and some of the work is for 2023.
Q. Okay. So I would have expected that this number 350,750 would be lower because of what was done in 2021. But you're saying that's not the case.
A. (Green) Correct.
Q. So, concerning the Asplundh workforce, in your testimony on Exhibit 1, Bates 12, you have reviewed the number of crews that Asplundh has made available to Liberty Utilities over the past several years. And that appears in the paragraph in the middle of the page, starting at Line 8. And it says, does it not, that in 2018, Liberty had access to 10 Asplundh crews? Doesn't actually say Asplundh. But is that correct, 10 Asplundh crews?
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Green) Yes.
Q. And it skips 2019, but it says in 2020 you had seven or eight crews; is that right?
A. (Green) Yes.
Q. And that in 2021 you had -- well, the way it's phrased is you had difficulty keeping six crews on the property. So I gather that means six or fewer, depending what was going on at the time; is that correct?
A. (Green) Yes.
Q. In 2022, can you explain what's going on in the field right now, in terms of number of crews either from Asplundh or from the other resources that you are currently in the bidding process for?
A. (Green) We have increased by a crew. And one of the crews is transitioning over to the training on the mechanized pruner, which is equivalent to three crews, potentially.
Q. I'm sorry. I didn't follow that, so I'm going to ask you to restate it or break it down.

When you said "add an additional crew, could you just give me the absolute numbers,
'cause I don't know what the starting point is.
A. (Green) Oh. We have seven crews.
Q. Seven crews?
A. (Green) Six doing the maintenance work and one performing hourly work.
Q. Well, I guess I want sort of an apples-to-apples as to what's laid out on Bates Page 12, just to get an idea of where you stand.
A. (Green) Seven.
Q. Seven? Okay. Well, that sounds encouraging.
A. (Green) It is.
Q. Okay. Good. And that includes the mechanized crews that you were talking about; correct?
A. (Green) Yeah, one of those seven crews who used to run a bucket will now run the mechanized equipment.
Q. And you expect that to come from Asplundh and other contractors to be secured in the near future; is that right?
A. (Green) Correct.
Q. Okay. And we've covered this I think in tech \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
sessions, and maybe last week, but I just want to get it on the record in this case.

On Bates Page 13, you reference the PUC rules establishing the corridor, PUC Rule 307.10. Would you agree that that rule went into effect in 2014?
A. (Green) Yes, as I understand.
Q. Okay. So in the data request, we had asked the Company to provide the reliability statistics that had been provided in past similar dockets. And the Company did that, and they have been marked as Exhibit 6 and 7 in this proceeding.

So I would like you to go to Exhibit 6, if you would, which was the response to DOE 1-8. And there are some SAIDI and SAIFI figures here for 2019, 2020 and 2021. Would you please provide an interpretation of those figures, as it indicates reliability. In other words, what do these figures show us?
A. (Steele) These figures, particularly when you look at them, SAIDI is your system average indices [sic] duration index, and SAIFI is your system average indices [sic] frequency
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
index. SAIDI is the expected duration that a customer is out. SAIFI is the number of events or how many times. So if you were to look at these numbers, it says that tree-related outages for Liberty Utilities in 2021 was 77 -- 72.52 minutes. It's not the total amount of SAIDI minutes, but that is the SAIDI associated with tree-related outages. The SAIFI, the frequency, is . 4 . So each customer sees approximately a half of an outage, that frequency.
Q. Okay. Thank you. And then going to Exhibit 7, which is the Company's response to data request DOE 1-9, it's a four-page exhibit. I'd like to go through the third page of the exhibit where there's a chart. And could you interpret this chart for us, and then I'll ask you to comment on how this compares to the previous exhibit. But I guess I'll start first with could you interpret this chart for us.
A. (Steele) Yes, I can. What this chart shows, and unfortunately mine is not in color, but what it shows is the last -- since 2017 all
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
the way to 2021, Liberty Utilities reliability indices based on, and there are four different categories. SAIDI and SAIFI, those are our metrics that we report quarterly to the PUC. And what you're seeing is a total number, SAIDI total. So, for example, talking 2021, that solid line shows 114.46, and the dashed line shows -- the solid line shows . 69 .

Now, in relation to the question you just asked us, that SAIDI number of 72.52 is a portion of the total of 114.46 , as is the SAIFI number of .4 is a portion of the .69 .
Q. Okay. And are these numbers that are shown across the years the values -- I'm on Exhibit 7, Page 3, the chart with the bars. Are those individual years, or are those running five-year averages?
A. (Steele) Those are individual performance metrics year over year.
Q. Okay. And if I understood what you said about frequency and duration, it looks like in 2021, the solid line, which is SAIFI, which is frequency, that number was lower
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
than the value in 2020; correct?
A. (Steele) That is correct.
Q. And the SAIFI line -- I'm sorry. The SAIDI line, which is duration, that number in 2021 was higher than 2022; correct?
A. (Steele) That is correct.
Q. And in both instances the goal is for these numbers to go down; in other words, shorter duration and fewer frequency as the goal is better; correct?
A. (Steele) Yes.
Q. Okay. And so in this case we have one index going, I'll say in the wrong direction, and one index going in the right direction. Can you explain why that happened, if you know, if it's possible to just -- or maybe it's too small a sample size or something.
A. (Steele) When you look at this and when you look at the correlation, Liberty Utilities has been investing in system-hardening activities through its capital activities -i.e., tree wire, Hendrix cable, performance -- items that improve system performance. So if a tree limb were to
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quickly touch a bare conductor, that would cause a potential outage for a customer; however, with the tree wire, that will not cause an outage to a customer. What you're seeing in the SAIFI number is a result of that continued capital investment year over year, where our frequency of smaller outages is getting better. What you're also seeing is that when a tree falls, that duration is much longer. So that's what you're seeing in the SAIDI numbers. We had quite a few tree failures in 2021, quite a few winter storms, and that's the result of what you're seeing in the SAIDI performance number.
Q. Right. Now, in the previous exhibit we were looking at, the smaller chart, and that was Exhibit 7, it indicates that -- so this is just tree-related data; correct?
A. (Steele) That is correct.
Q. And the tree-related data for 2021, in terms of duration, is actually lower, which is better than 2020; correct?
A. (Steele) That is correct.
Q. So how does that comply or compare to the
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
answer you just gave about the overall statistics?
A. (Steele) So, great question. The way that I would answer that is what you've had is larger, more mature trees falling, taking -even though it may be less, taking a longer duration to resolve the outage for the customers.
Q. So, again, I'm back on Exhibit 6 --
A. (Steele) It also means that you had higher equipment failure outages. So while SAIFI is down, we did have other equipment outages that would drive that 114 up from the previous year.
Q. Oh, back on Exhibit 8 --
A. (Steele) That is correct.
Q. All right. Do you have a sense -- the chart on Exhibit 8 only goes back five years. Do you have a sense of how that chart compares to what happened, you know, a decade or so ago when this, what I'll call REP-VMP program was implemented?
A. (Steele) No, I do not.
Q. Okay. So I'm jumping around a bit, but I'm
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now back on Exhibit 1. And I want to go to Appendix 2. And I want to look at the section where we talk about the individual circuits that are planned for trimming. And if I go towards the bottom of the page, I see the 153 miles that's planned in total actually written here as 152.93 miles. And if I look up above that, on Line 15, I see Vilas Bridge No. 12, 55 miles. The Vilas Bridge No. 12 is in the Charlestown/Bellows Falls/Walpole area; is that correct?
A. (Tebbetts) I'm sorry. What Bates page are you on?
Q. So I'm sorry. I'm on Bates Page 24 of Exhibit 1.
A. (Tebbetts) Thank you.
A. (Green) Repeat the question, please?
Q. Yes. The Vilas Bridge No. 12 , the 55 miles of overhead distribution, are those circuit miles?
A. (Green) Yes.
Q. Okay. Are those in the Walpole/Charlestown area?
A. (Green) Yes.
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. Okay. And in the Company's least cost integrated resource plan docket, there was discussion of reliability issues in that area.

My question is: Is the 55 miles of planned trimming intended or expected to improve that reliability situation?
A. (Green) It will assist in the immediate time frame with some of the reliability issues
Q. I'm sorry. You said it would assist in an immediate time frame? Is that what you said? I just couldn't hear you.
A. (Green) Yes, it will assist in the immediate time frame. The small dead oak limbs that fall, for example, those will be addressed, but then new dead oak limbs will form over the next couple years, as an example.
Q. Okay.
A. (Steele) In addition to that, if I can chime in here real quick.
Q. Sure.
A. (Steele) Liberty Utilities has a requirement that is due on May 2nd for the LCIRP, and we have a comprehensive strategy to address the
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Vilas Bridge area that addresses the consistent reliability problems that are in that area. It is approximately 55 miles of circuit, long winding roads, long single phases, small amounts of customers out there.

We have taken the opportunity to take a step back and look at the reliability issues comprehensively, and that is coming in our LCIRP filing. I believe it's due May 2nd.
Q. Okay. But this trimming will be part of that. Is that correct or not?
A. (Green) No, this is just our routine work.
Q. Okay. All right. That completes the Department's questions. Thank you.

CHAIRMAN GOLDNER: Thank you, Mr.
Dexter. We'll move to Commissioner questions, beginning with Commissioner Chattopadhyay.

INTERROGATORIES BY COMMISSIONERS:
BY COMMISSIONER CHATTOPADHYAY:
Q. Good morning. So before I go to questions that I'd already planned, $I$ was going to ask -- I'm just going to go over some questions that are impromptu based on what \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
was discussed.
So the first one -- just going to make sure I'm closer to the mic. There was some discussion about Asplundh, you know, did not secure or wasn't able to secure additional workforce, recall at the beginning today. When that happens and then you go for somebody else, is -- are you saving money by not engaging Asplundh? That money will be used for the other provider?
A. (Green) That money would be allocated to the other provider.
Q. Do you have an estimate of what that amount is?
A. (Green) I do not.
Q. Even a ballpark?
A. (Green) Oh, so what Asplundh's price was?
Q. No. I'm just saying because they don't have the workforce, so they aren't able to do what they're meant to do, so what happens? Like if you had already earmarked some dollar amounts and you're not going to be using it, I want to get a sense of what that amount is.
A. (Green) An approximate 690,000.
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[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. Okay. I was listening carefully, and I would say that you had gone through, like, the number of miles that were previously planned for 2021 was 235 miles; then you had for 2022, 202 miles; you had for 2023, 214 miles; and for 2024, 219 miles. These numbers are all based on a four-year trimming cycle approach; right?
A. (Green) Yes.
Q. Do you have a sense of what the number would be if it was five-year cycle trimming?
A. (Green) Approximately 175 a year.
Q. Okay. So that's the average.
A. (Green) Correct.
Q. Let's go to, 1 think it was Bates Page 23, Exhibit 1. You may have already discussed it, but it wasn't very clear to me.

Can you explain how you arrive at the number 356 planned miles? Can you go through that calculation?
A. (Green) Maybe the easiest way is if you look at all the work that was planned in 2021 and 2022 on that original plan and you subtract the work that had been completed or proposed,
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
that's how we came to 356.
Q. Would you agree that the plan had 235 miles for 2021 and 202 miles for 2022? I think you already indicated that. So if I add them, that's going to be 437 miles, subject to check.
A. (Green) Okay.
Q. Right? And then you had mentioned -- so I'm just going to do it, multiply here... 437.

And then you had mentioned in 2021 you ended up successfully trimming 84 miles; is that correct?
A. (Green) Yes.
Q. And you're planning to do 153.
A. (Green) Yes.
Q. So the total would be 237; correct?
A. (Green) One moment.
Q. Eighty-four plus 153, the total has to be 237.
A. (Green) Okay. I was doing reverse math. Sorry.
Q. Okay. So the difference between 437 and 237 is 200 miles.
A. Yes.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
Q. So when you say deferred miles, 203, I'm a little confused about it.
A. (Green) I believe this is just rounding that happens in the math.
Q. Okay. I'm going to ask you to go back to Bates Page 19 that DOE was walking you through, and let's go back to Lines 6 through 9. And bear with me. I'll do the same here. I really -- when I'm reading that sentence which starts at Line 6, for calendar year 2022, to me when that sentence ends in Line 9, I don't think it's 203 miles, because the way you've written it is deferred miles for a total of this. And then I'm trying to compare that with the expense that is shown in the first line, or the second -- in Line 7. That is more about, if you go to Bates Page 23, it's the total that -- the expense is $5.471,624$ million. So $I$ would interpret in Bates Page 19, the number 276 miles should be... 356 miles. And I'm just -- it's a matter of interpretation. I think the way the sentence reads, it's a little bit confusing, okay.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Tebbetts) If I may comment? The sentence is poorly written, $I$ would agree. The intent of this was to make note that we had to catch up on deferred miles. And as such, it should read 203. And I would agree it's poorly written. But that was the intent.
Q. Okay. Can you give me a sense of like, I think what $I$ heard was about the mechanized equipment, the Company has purchased it; right? Is that correct?
A. (Green) No, the tree contractor has purchased --
Q. The tree contractor. Okay. So I just wanted to make sure.

So you wouldn't know how much that costs.
A. (Green) I do not.
Q. No. Okay. So I'm going to go to the questions that I had from before. So I will go -- oops, just a moment. I'll go back to the Settlement Agreement that was approved in Docket 19-064. And I'm going to read the section on VMP, just part of it. And the sentence -- one of the sentence I'm going to
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
read first is this: "The base rate increase agreed to in this agreement includes an increase in the VMP spending to 2.2 million" -- I'm using my words there rather than going with all the zeros -- "for 2020, which shall continue until changed in a future base rate case."

The way I'm reading it, it means that the base spending is going to be $\$ 2.2$ million until, every year until you reach the -until you go to the next rate case. Will you confirm that that is a proper read of it?
A. (Tebbetts) Yes.
Q. Okay. And then the next sentence says, The Company shall not recover any VMP expenses that exceed 10 percent of that amount, or in excess of $\$ 2.42$ million through the annual reconciliation filing or otherwise.

And my interpretation is that if there is any spending that goes beyond $\$ 2.2$ million, up to $\$ 2.42$ million, those are to be considered in the reconciliation filing. Is that a good read of that?
A. (Tebbetts) Let me understand what you're
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saying. So you are suggesting that anything over $\$ 2,420,000$ shall not be recovered, and that up to that amount shall be recovered through our reconciliation filing. I believe I captured that correctly.
Q. Correct.
A. (Tebbetts) Okay. Thank you.
Q. So it's part of the reconciliation filing. Okay. So that's what I was stressing, and you just repeated that.
A. (Tebbetts) Yes.
Q. Okay. I know this docket is largely about the budget, but I'm going to go back to an issue that's sort of bothering me a bit, which is the fact that Consolidated, you know, they're no longer paying anything.

Can you provide some sense of what avenues is the Company pursuing to make sure that a company that owns the poles 50 percent can do something about it? And I know that Attorney Sheehan is looking at me and he's going to say these witnesses are not expert on it. So he's going to probably chime in. I'll let him do that.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
A. (Tebbetts) I do want to add one thing before Mr. Sheehan chimes in, and it is that pole attachers and the rules surrounding them are part of the PUC 1300 Rules. I do believe they're open at this time. And I do believe that the Company is discussing whether or not this should be included, tree trimming, with regards to this issue of joint ownership within that, because that is, I would suggest, the appropriate vehicle to allow all of the utilities to be on the same playing field when we have an attacher or a joint owner of poles, to address these sort of issues.

Contracts, while -- I'll just mention.
We had some issues with the contract. Mr.
Sheehan can discuss further what's going on with that. But rulemaking provides an opportunity for everybody to make these changes and hopefully find some common ground with all the utilities and the attachers to allow us to vet these problems, and this would be one of them. And Mr. Sheehan can finish on that with the contract.
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

MR. SHEEHAN: I'm not sure what else your question is, Commissioner.

COMMISSIONER CHATTOPADHYAY: NO, I mean, she has already covered quite a bit. If you don't think you can add anything, that's fine, yeah.
Q. My final question to Mr. Steele. How did you manage to not provide testimony over the last 20 years? I'm just kidding. Thank you.
A. (Steele) Lucky, I guess.

BY CHAIRMAN GOLDNER:
Q. So my question is about intent. So the Company states, as Mr. Dexter went through, a plan to spend $\$ 3,069,639$ in the -- you know, for vegetation management. Is it the Company's intent to spend that amount of money regardless of the outcome of any other, you know, pending cases?
A. (Steele) I'll take that one. The Company has intended to spend $\$ 3$ million on tree trimming. We believe it's the right thing to do for our customers. We believe it's the right thing to do for vegetation management. And we believe that the safety of our system
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
and the safety of our customers and the safety of our line workers is imperative to do this work.
Q. Okay. Thank you. So just to make sure I understand, if in Docket 22-014 100K or 200K or zero is allowed, the Company would still take -- would still take whatever the delta is. If it's zero, it'll be 649K from earnings.
A. (Steele) That is correct. We have developed a plan to trim 153 miles this year at a cost of $\$ 3$ million.
Q. Okay. Thank you. And I just want to go back to a prior answer from Ms. Green. I didn't quite understand the mathematics on the increase in output from the mechanized trimmers. You used some . 8 and 1 , and $I$ couldn't quite sort out what the increase is. Is it 25 percent increase in output? Is that correct? One divided by --
[Court Reporter interrupts.]
Q. I'll rephrase. I was just looking for the approximate increase in output.
A. (Green) It's minimum expected 20 percent
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
increased output.
Q. Okay, 20 percent. And this, by the way, is perfect for Generation Xers, right. You've got the joystick, right. That's awesome. That's going to be a good recruiting tool.

Is there a range -- so a minimum of 20 percent. If everything lands jelly side up, maybe 40 percent, 50 percent, 30 percent?
A. (Green) Much higher.
Q. Like double?
A. (Green) I heard someone say the machine can do 1 to 6 miles compared to .8 miles.
Q. Okay. Thank you. That was the number you were referring to earlier that $I$ didn't quite catch.
A. (Green) It does depend on the conditions that they're working and the terrain and the sensitivities. But in the best case scenario, six miles a week.
Q. And this sounds like, from the answer to Commissioner Chattopadhyay's question, that the capital investment is being made by the contractors.
A. (Green) Correct.
\{DE 21-138\} [HEARING] \{04-26-22\}
Q. And you don't have any -- I don't want to put words in your mouth. But I think what you said was you didn't have an idea of the capital investment that's being made. It was -- you know, Liberty doesn't know how much the use of this equipment costs versus the conventional equipment?
A. (Green) Correct.
Q. Is this a capital investment that Liberty has considered making?
A. (Green) No.
Q. Okay. Because it seems like if you can increase your output by between, you know, 20 and like 600 percent or whatever that is, right, 6 divided by . 8 , whatever that is, that this would be an area of focus for the Company, in terms of working with contractors, capital requests, this kind of thing.
A. (Green) So what $I$ know is that the machine is a very expensive machine, and the maintenance is expensive. And it doesn't work everywhere, for sure. And it needs clean-up of a bucket or -- there are certain
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
situations where it doesn't work. So it's not a replacement at all for a bucket operator in a bucket. But it is a tool in our tool belt to economize where possible, especially in our more rural areas.

Chris, did you have a comment?
A.
(Steele) The one thing I was going to say to this is Ms. Green was able to secure a meeting with the senior leadership at Asplundh. And we described and we've talked a lot about it through our hearings over the last few weeks about the contractual obligations of Asplundh and their obligations and the liquidated damages associated. And we expressed to Asplundh concerns around their productivity, or the lack of productivity. Initially we were No. 19 in line to receive a mechanized trimmer. Nineteen. We will receive it on property in two weeks. So they were able to accelerate the improvement because we do know how much vegetation management is important to the organization. And we expressed to them our opportunity to continue to trim trees in
the -- I'm not a hardy Granite Stater -- the most trees per capital, I believe. Is that right? Maybe.
Q. We might be second to Oregon. I don't know. But it's a tie.
A. (Steele) But to go from 19th to first is a big deal. And that shows Asplundh's commitment to meeting their contractual obligations.
Q. Okay. In the Liberty vision, this is something that sounds like you're very focused on learning more about. Clearly when you're ramping up something new, you have a lot of learning to do. Would it be your vision that of the, you know, seven or nine units, that eventually a third of them or a quarter of them or half of them are mechanized? What do you see in terms of moving forward?
A. (Green) As you said, it's a learning curve. Right now, so we're starting with one. But both Chris and I have had conversations, and Asplundh and I have had conversations about what that looks like in the future. And
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
there are systems that have three or four on their system. I don't know what that looks like yet for us because I need to see that the terrain is going to work -- what percentage of our terrain will work with this tool. So until I see that, I can't comment to what the future brings. Just having one right now is a blessing and really helping. So I'm focusing on that blessing at this time. But if it turns out that there is opportunity to reproduce that or repeat that, we would definitely look to have that conversation.

And earlier $I$ did mention it is a quality versus quantity kind of thing. And before, when I had high-quality workers doing the work, this machine was not an option because I wanted every cut to be perfect. But now with this machine, I'm lowering my standards on quality. But I'm okay with it because I need to get the work done. So time shift. That was probably too much to say.
Q. No, no, that was actually very helpful. And maybe this is in the filing and I didn't
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
understand it or didn't see it. But the bid that you got from Asplundh for the mechanized unit, how much more expensive was that than the standard unit?
A. (Steele) We do not currently have commercial terms and conditions with Asplundh for the mechanized unit. They are bringing the mechanized unit on. We do have to sit down with them and go through commercial terms, what it would cost. We actually had that discussion last week because there are significant efficiencies potentially lowering that cost per dollar. However, if the machine costs more incrementally, there could be a small variance. But I think what I can glean from that is Asplundh's commitment to getting the miles done and then us coming to commercial terms beyond that.
Q. Okay. Thank you. I'm still thinking. You've given me a lot to think about.

Okay. Let me move to a different topic.
There was the Clearway --
CHAIRMAN GOLDNER: If you don't
mind, Mr. Sheehan, I'll call it "a debacle."
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]

MR. SHEEHAN: I concur.
CHAIRMAN GOLDNER: Thank you.
BY CHAIRMAN GOLDNER:
Q. Was there any ratepayer expense associated with the Clearway situation? And what I mean by that is, if they cleared $x$ miles and they were supposed to clear $Y$ miles and they charged, you know, $Z$, where they were supposed to charge $A$, did you -- you know, what happened there? Was there some ratepayer expense that was unexpected?
A. (Tebbetts) So the invoices related to Clearway that we received for the work that they did perform were removed from the filing. And so they are not part of the cost-recovery piece that we filed in the vegetation management reconciliation. They've been put aside.
Q. Okay. Yes.
A. (Green) Earlier on their time on the system, they did provide invoices that were paid for work that was done as well. So there's a very small amount that was paid for work that was done, and then the additional we held
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
back once they left the property.
Q. Okay. Thank you.

CHAIRMAN GOLDNER: Okay. That's all I have.

Commissioner Chattopadhyay, any additional questions?

COMMISSIONER CHATTOPADHYAY: NO.
CHAIRMAN GOLDNER: Thank you.
So we'll move to redirect from Mr. Sheehan.

MR. SHEEHAN: Sure. If I can have a minute to go through the notes, I think I have just one or two.

REDIRECT EXAMINATION
BY MR. SHEEHAN:
Q. First, Ms. Green. The Clearway contract terms for dollars and miles, if met, would have satisfied the four-year-cycle requirement; is that fair?
A. (Green) Yes.
Q. I think you covered this pretty extensively. This new mechanized equipment is relatively new to the industry. It's new to us. So as you say, we will take advantage of it as you
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
think it's appropriate and the contractors can make it available; is that fair?
A. (Green) That is correct.
Q. And Liberty does not do any of the tree work in-house. It's all contracted.
A. (Green) Yes.
Q. That's just the business model that Liberty has followed forever, as far as you know.
A. (Green) Yes.
Q. So the investment of this new equipment would come to us through whatever rate Asplundh is going to charge for this machine.
A. (Green) Yes.
Q. And as Mr. Steele was saying, we haven't finalized dollars with Asplundh for the new machine. But the expectation is that if it costs more per day, we may get more miles per day, and we still intend to live within the proposed $\$ 3$ million budget.
A. (Green) Yes.
Q. The SAIDI/SAIFI conversation, should it also, when we look at these three or four specific years, be conditioned on the fact that those numbers are highly weather-dependent? If you \{DE 21-138\} [HEARING] \{04-26-22\}
[WITNESS PANEL: TEBBETTS|GREEN|STEELE]
have storms, if you don't have storms, that can also have a significant impact?
A. (Steele) That is correct.
Q. And the best way to look at SAIDI/SAIFI is over the longer terms, looking for trends?
A. (Steele) That is correct.
Q. I think you said this clearly, Ms. Green. To the extent Asplundh is not going to be able to do the whole miles planned and we are now contacting other contractors to do that work, the money that Asplundh would have been -would have charged to do that work is not being paid to Asplundh because they're not doing the work.
A. (Green) Correct.
Q. And that money is now "freed up," for lack of a better word, for these other contractors.
A. (Green) Correct.
Q. And at the end of the day, Asplundh will get paid for the work it does, and these other contractors will get paid for the work they do.
A. (Green) Yes.
Q. Is it fair to say that the conversation \{DE 21-138\} [HEARING] \{04-26-22\}
between Liberty and Asplundh has been open and productive on what we have available, what we expect to do, and, guys, we're not going to get to this, this and this. Those are good conversations.
A. (Green) Yes.
Q. And that goes back to the Asplundh contract, where although there may be, quote, requirements, mileage requirements in the exhibit, there's also an express e-mail from Asplundh saying, basically, we'll do what we can. And you understand that.
A. (Green) Yes.

MR. SHEEHAN: That's all I have. Thank you.

CHAIRMAN GOLDNER: Thank you, Mr.
Sheehan.
The witnesses are released. This means, Mr. Steele, you can stay where you're seated, but we won't ask you any more questions. Thank you.

So Mr. Dexter, you may have a comment on the striking of I.D.s. I don't have any experience with this exhibit. But I
\{DE 21-138\} [HEARING] \{04-26-22\}
think we could strike I.D.s in Exhibits 1 through 8. Would you suggest that it be provisional, or would you -- are you okay to strike I.D. in Exhibits 1 through 8?

MR. DEXTER: Mr. Chairman, are you asking that it be provisional because I haven't had a chance to weigh in on the motion?

CHAIRMAN GOLDNER: Yes.
MR. DEXTER: Oh, and 1 through 8 is all the exhibits, as I look at the list. No, I don't have any problem with you striking I.D. I don't expect to have any objection to the motion for confidentiality.

CHAIRMAN GOLDNER: Okay. Thank you.

So we will strike I.D. in Exhibits 1 through 8. There are no record requests. And we can move to closings, beginning with Mr. Dexter.

MR. DEXTER: Thank you, Mr.
Chairman. I started the hearing with quibbling a bit with your description of the case, and I wanted to get back to that,
because when you read the caption, it included the word "budget" in there, and that's what gave me some pause.

In a sense, this docket was really unnecessary because the VMP plan for 2022 was established in the $19-064$ rate case. And the budget was in fact established -- well, the rate allocation was established in the 19-064 rate case. That settlement which

Commissioner Chattopadhyay read from, and which I encourage the Commissioners to review in this docket and the other docket, provided that the Company would continue to make all the filings that it made concerning veg management under the prior settlement, which went back to the 2016 rate case. And that's how this case came before you today.

The Company dutifully, on
November 15th of 2021, provided a filing that they've been making for many years. In the past, that filing was information that prompted a meeting with the Staff of the PUC at the time, and sometimes the consumer advocate. And it was informational to guide
the Company and to inform the PUC as to what was going on in veg management within the parameters that were set in the prior rate case. So in this year, that filing that was made November 15 th ended up with a docket number on it, and that's why we're here today. It's got Docket 21-138. I think if you go back, you won't find an equivalent order to look at to see how this was handled in the past because it never resulted in an order. So that brings up the question: What's actually before the Commission in this case? And we discussed this a bit at the prehearing about three or four weeks ago.

We believe that it's appropriate that the Company made their November 15 th filing. We think it's appropriate that the Company keep the Commission and the Department of Energy informed as to what's going on in veg management. And we think it was particularly important in this case, because of the circumstances that the Company's described in detail that have happened either at the time the settlement
was being developed or since the settlement was being developed, some fairly significant changes in the VMP arena, none of which bode well for the ratepayers of Liberty because they essentially involve loss of reimbursement payments from Consolidated and significantly increased costs of veg management from the contractors.

So what the Department believes is at issue in this case is what is the Company going to do in 2022 for veg management and what are they going to spend on it. And I believe the answer we got from the Company today is that they plan to do 156 miles of cycle trimming at a cost of $\$ 3.1$ million. And the Department supports that plan as filed because the Company has indicated that that is the right number when one looks at what's achievable in the field, given the circumstances that they've described in detail. Of course, the Department of Energy would have preferred that this plan showed 202 miles at a cost of 2.2 million, with a 10 percent bandwidth, as was contemplated in
the settlement from 19-064. That's not the reality. So we believe this is an appropriate plan.

The Department of Energy strongly believes that this is not a ratemaking docket, and that if the Commission decides to, quote, unquote, approve that plan and approve that, quote, unquote, budget, that that not be used by Liberty Utilities as a preapproval of any sort of rates, rate increases to cover that. The Company has indicated a number of times that in its next rate case they plan to make a comprehensive VMP proposal that I believe will include a rate request for recovery of deferred or backlogged work from the old rate case four-year-cycle period. And while the Department of Energy understands that it's up to Liberty to opt to make a compelling case for recovering the cost of that backlog in that rate case, it's important to the Department of Energy that the PUC not prejudge that by anything that they do in this case.

I will point out that we have another full year to go before the next rate case is decided. My understanding is, from what Liberty has said in tech sessions, and I believe on the stand as well, is that they contemplate an electric rate case being filed in 2023, which under the $12-m o n t h$ suspension period provided for in the statutes wouldn't wrap up in 2024. So at the time, we will not only have 2022's experience, but we'll have 2023's experience. And the plan back from 19-064 was to trim 214 miles in 2023 at a cost of 2.2 million plus 10 percent. Based on everything we've heard in this case and what we heard last week, it doesn't seem likely that that's going to happen. It may be that the 214 miles is feasible, but everything we've heard would indicate that that's not going to be feasible under a $\$ 2.2$ million budget plus 10 percent. So what I'm saying, I guess in short, is the shortfall will grow and the backlog may grow.

Now, we've heard today about some promising new technology which hopefully help
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address that backlog. But apparently the cost of that technology is still unknown, and that's to be worked out between the Company and the contractors in the coming weeks.

So all of this is by way of a caution as to what we at the Department of Energy suggest the Department not do in this case, which is not to signal any sort of preapproval or prejudge the proposal that we understand Liberty will be making in its next rate case.

Having said all that, I'll just repeat by saying the 156 miles proposed at the cost of $\$ 3.1$ million seems a reasonable course of action for Liberty to take in 2022. Thank you. That completes my statement.

CHAIRMAN GOLDNER: Thank you, Mr. Dexter.

Move to Liberty and Mr. Sheehan.
MR. SHEEHAN: Thank you. Picking up where Mr. Dexter left off, absent any other action from the Commission between now and the rate case, it is correct that we will likely propose a five-year trim cycle in that
rate case. I don't know numbers. No one on the stand knows what the actual numbers will be. But we can assume it's going to be in the neighborhood of $\$ 3$ million a year for that program. And that will be the proposal, something like that, that we'll ask the Commission to approve going forward. We are not asking for a rate change here. We've said that several times. It's not noticed, et cetera.

As to the so-called "backlog," so we get to the rate case and we propose that five-year plan going forward and we have $x$-amount of work that wasn't done under the four-year-cycle as you've heard and it will cost $Y$ dollars to do that. I hear the Department of Energy saying don't issue any rulings on whether that's recoverable or not now. And I agree with that. That's not what we're here to talk about. I will say, though, that that backlog, what you will be asked to look at is the reasonableness of our actions when faced with the various problems that created that backlog. And it will be a
classic prudence review: Did we act prudently in entering into an agreement with Clearway under the circumstances? Their bid matched the five-year plan. They had done work for us satisfactorily, good work for us prior, et cetera, et cetera. Did we act prudently when they fell short by hiring the replacement crews, et cetera? We will pursue Clearway. Whatever dollars comes out of that will come back to customers. We'll offset some of that backlog. Timing is an issue. But that's certainly our intent. Time will tell whether there are dollars there to be had and whether or not we can obtain them. But we are off and running on that process.

But Mr. Dexter was correct, that this docket followed a different course in the past, and partly because the old Settlement Agreement required us to file the plan with Commission Staff. But they don't exist, and we didn't know if filing with DOE Staff would comply with the Settlement. So we opted to file it here. It has the added benefit, as Mr. Dexter said, to get you folks
up to speed on what's going on. So when the rate case rolls around, if there's no other action by the Commission, you'll have the background that you've been provided through this proceeding.

But the ask in this docket is to get a nod from the Commission that the plan and the budget that we have proposed is reasonable, and without prejudging what is the right course from 2024 forward. But we're not asking for that.

So we do ask that the Commission issue an order approving the plan as filed, with the budget as filed. And should the Commission be interested in visiting -revisiting the five-year cycle issue between now and the rate case, we'd be happy to accommodate, whether that's a follow-up in this docket. The Company may consider a separate filing to address that issue before the rate case. We'll be interested to know, you know -- I think that may help things. Again, not a rate change, but a nod to that being the right course to go sooner rather
than later, rather than having these conversations about why we can't quite get to the 230 miles.

With that, I'll stop. And I
appreciate your time and your questions this morning.

CHAIRMAN GOLDNER: Okay. Well, I'll thank everyone, and we'll take the matter under advisement and issue an order. We are adjourned. Thank you.
(Hearing concluded at 10:49 a.m.)

C ERTITICATE
I, Susan J. Robidas, a Licensed Shorthand Court Reporter and Notary Public of the State of New Hampshire, do hereby certify that the foregoing is a true and accurate transcript of my stenographic notes of these proceedings taken at the place and on the date hereinbefore set forth, to the best of my skill and ability under the conditions present at the time.

I further certify that I am neither attorney or counsel for, nor related to or employed by any of the parties to the action; and further, that $I$ am not a relative or employee of any attorney or counsel employed in this case, nor am I financially interested in this action.
(ORIGINAL CERTIFICATION FILED WITH PUBLIC UTILITIES COMMISSION)

Susan J. Robidas, LCR/RPR Licensed Shorthand Court Reporter Registered Professional Reporter N.H. LCR No. 44 (RSA 310-A:173)
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|  | 87:18 | 9:12 | 8:17,18;38:7 | arrived (1) |
| :---: | :---: | :---: | :---: | :---: |
| \$ | accomplish (2) | advantage (1) | anticipated (4) | 23:5 |
|  | 27:23;31:22 | 寺 | 26:22;27:2;43:11, | aside (1) |
| \$1.9 (1) | accomplished (2) | advisement (1) | 13 | 73:18 |
| 25:17 | 41:10;45:3 | 88:9 | apologies (1) | Asplundh (31) |
| \$2,420,000 (1) | according (1) | advocate (1) | 35:1 | $20: 9,10,12,24$ |
| 63:2 | 7:21 | 79: | apparently (1) | 21:5;27:6;36:3; |
| \$2.2 (4) | $\begin{gathered} \text { accrued (1) } \\ 40: 8 \end{gathered}$ | $\begin{gathered} \text { Affairs (1) } \\ 10: 15 \end{gathered}$ | $84: 1$ <br> appearances (1) | $\begin{aligned} & 45: 14,17,22,23,24 \\ & 46: 13 ; 47: 20 ; 57: 4,9 \end{aligned}$ |
| 5:2;62:9,21;83:20 | 40:8 <br> accurate (1) | $\begin{gathered} \text { 10:15 } \\ \text { again (11) } \end{gathered}$ | $\begin{aligned} & \text { appearances (1) } \\ & 4: 8 \end{aligned}$ | $\begin{aligned} & \text { 46:13;47:20;57:4,9; } \\ & \text { 69:10,13,15;70:23; } \end{aligned}$ |
| $\begin{aligned} & \text { \$2.42 (3) } \\ & \text { 38:9;62:17,21 } \end{aligned}$ | $20: 4$ | 30:1;32:13;34:15, | Appearing (1) | $72: 2,6 ; 75: 11,15 ; 76: 8$ |
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| 37:18;65:20;66:12; | 30:18;31:11;81:19 | 43:7;44:7;53:9;87:23 | appears (3) <br> $6 \cdot 1 \cdot 22 \cdot 1 \cdot 45 \cdot 19$ | Asplundh's (3) <br> $57 \cdot 17 \cdot 70 \cdot 7 \cdot 72 \cdot 16$ |
| 75:19;85:4 | across (1) | ago (2) | $6: 1 ; 22: 1 ; 45: 19$ | 57:17;70:7;72:16 |
| \$3,069,000 (1) | $\begin{aligned} & 50: 15 \\ & \operatorname{act}(\mathbf{2}) \end{aligned}$ | $53: 21 ; 80: 1$ | Appendix (11) | assert (1) |
| 22:6 | act (2) <br> 86:1,6 | ```agree (7) 43:20;44:13;48:5``` | $\begin{aligned} & 21: 19 ; 24: 11 ; 30: 1 ; \\ & 34: 19,20 ; 35: 7 ; 38: 23 \end{aligned}$ | $7: 11$ <br> assertion (1) |
| $\$ 3,069,639 \text { (1) }$ | $\begin{gathered} 86: 1,6 \\ \text { action (3) } \end{gathered}$ | $\begin{aligned} & \text { 43:20;44:13;48:5; } \\ & 59: 2 ; 61: 2,5 ; 85: 19 \end{aligned}$ | $\begin{aligned} & 34: 19,20 ; 35: 7 ; 38: 23 \\ & 39: 4 ; 42: 9 ; 44: 4 ; 54: 2 \end{aligned}$ | $\begin{gathered} \text { assertion (1) } \\ 7: 10 \end{gathered}$ |
| \$3.1 (2) | 84:15,22;87:3 | agreed (1) | apples-to-apples (1) | assist (3) |
| 81:15;84:14 | actions (1) | 62:2 | 47:8 | 55:8,10,13 |
| \$360,000 (1) | 85:23 | Agreement (7) | apply (2) | associated (4) |
| 44:16 | actively (1) | 5:1;16:8;26:2; | 44:18;45: | 27:6;49:8;69:14; |
| \$5.4 (1) | $29: 17$ activities (2) | 61:21;62:2;86:2,19 ahead (2) | appreciate (1) 88.5 | 73:4 assume (1) |
| $38: 22$ $\mathbf{\$ 5 . 4 1 1}$ | $\begin{gathered} \text { activities (2) } \\ 51: 21,21 \end{gathered}$ | $\begin{array}{\|l\|} \text { ahead (2) } \\ 6: 22 ; 45: 6 \end{array}$ | 88:5 <br> approach (1) | $\begin{gathered} \text { assume (1) } \\ 85: 3 \end{gathered}$ |
| $\begin{gathered} \$ 5.471(1) \\ 30: 5 \end{gathered}$ | actual (6) | $\begin{aligned} & \text { 6:22;45: } \\ & \text { align (1) } \end{aligned}$ | $\begin{array}{\|l} \text { approach (1) } \\ 58: 8 \end{array}$ | attacher (1) |
| \$549,000 (3) | 41:1;43:21;44:3, | 45:4 | appropriate (5) | 64:12 |
| 37:4,16;38:9 | 11,$18 ; 85: 2$ actually (9) | allocated (1) | 64:10;75:1;80:15, $17: 82 \cdot 3$ | attachers (2) |
| \$700,000 (1) | actually (9) | 57:11 | 17;82:3 | 64:3,21 |
| 12:19 | $\begin{aligned} & 33: 8 ; 38: 20 ; 39: 8 \\ & 45: 23 ; 52: 21 ; 54: 7 \end{aligned}$ | allocation (3) 28:5;35:8;79:8 | $\begin{array}{\|c} \text { approval (1) } \\ 21: 21 \end{array}$ | $\begin{gathered} \text { Attachment (2) } \\ 5: 22,23 \end{gathered}$ |
| [ | 71:23;72:10;80:12 | allocations (1) | approve (4) | attempt (1) |
|  | add (7) | 7. | ;85 | 30:13 |
| [Court (1) | 6:11;34:4;40:4; | allotment (1) | approved (3) | attendant (1) |
| 66:2 | 46:23;59:4;64:1;65:5 | 36:21 | 26:3,7;61:21 | 36:20 |
| [not] (1) | added (2) | allow (5) | approving (1) | attention (2) |
| 11:23 | 23:21;86:23 | 17:13;42:5,7 | 87:13 | 11:19;15:11 |
| [sic] (2) | addition (4) | 64:10,22 | approximate (2) | Attorney (3) |
| 48:23,24 | 20:6,19;24:8;55:19 <br> additional (11) | $\begin{array}{\|c} \text { allowed (1) } \\ 66: 6 \end{array}$ | $57: 24 ; 66: 23$ <br> approximately | 6:16;30:24;63:21 <br> uthority (1) |
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|  | 21:9,12;36:8;43:2; | 31:23;34:1 | 19:22;23:24;36:2,14, | arainable |
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