*** REDACTED FOR PUBLIC USE ***

	1
1	STATE OF NEW HAMPSHIRE
2	PUBLIC UTILITIES COMMISSION
3	
4	November 18, 2020 - 11:21.m. DAY 3
5	[SESSION 1 OF 2] REDACTED FOR PUBLIC USE
6	
7	[REMOTE HEARING VIA WEBEX]
8	RE: DG 20-152
9	LIBERTY UTILITIES (ENERGYNORTH NATURAL GAS) CORP., D/B/A LIBERTY UTILITIES - KEENE DIVISION WINTER 2020-2021
10	COST OF GAS (Hearing)
11	(nearing)
12	PRESENT: Chairwoman Dianne Martin, Presiding Commissioner Kathryn M. Bailey
13	Jody Carmody, Clerk
14	Eric Wind, PUC Remote Hearing Host
15	
16	APPEARANCES: Reptg. Liberty Utilities (EnergyNorth Gas)Corp., d/b/a Liberty Utilities -
17	Keene Division Michael J. Sheehan, Esq.
18	
19	Rptg. Residential Ratepayers: Christa Shute, Esq.
20	Office of the Consumer Advocate
21	Reptg. PUC Staff: Mary E. Schwarzer, Esq.
22	
23	Court Reporter: Susan J. Robidas, NH LCR No. 44
24	[REDACTED FOR PUBLIC USE]

*** REDACTED FOR PUBLIC USE ***

		2		
-				
1	INDEX			
2				
3	WITNESS: STEPHEN P. FRINK			
4	EXAMINATION PAGE			
5	Direct Examination by Ms. Schwarzer 7			
6	* * * *			
7	WITNESS: STEVEN E. MULLEN			
8	Direct Examination by Mr. Sheehan 9			
9	Cross-examination by Ms. Shute 11			
10	Cross-examination by Ms. Schwarzer 54			
11	* * * *			
12	RECORD REQUEST MADE: 97			
13	Liberty produce any analysis or information regarding any economic or			
14	financial analysis done by any employee			
15	or consultant that supports CNG for Keene distribution system from the			
16	period of May 2016 through May 2017.			
17				
18	EXHIBITS			
19	EXHIBIT NO. DESCRIPTION PAGE			
20	9 Exhibit 9 updated/replacement 5			
21	22 Staff proposed rates and bill 5 impacts			
22	Impaces			
23				
24				

{DG 20-152}[REDACTED FOR PUBLIC USE] {11-18-20}

PROCEEDINGS

CHAIRWOMAN MARTIN: Okay. Let's go on the record. We're here this morning in DG 20-152, to continue the hearing regarding the Liberty Utilities Corporation's Keene Winter 2020-2021 Cost of Gas filing. last hearing day, Liberty's witness had technical issues due to a power outage during the hearing, and so we are returning for that portion.

We already made the necessary findings to hold this as a remote hearing, but I will remind everyone that if there is an issue during the hearing, you can call (603)271-2431 if there's a problem. And in the event the public is unable to access the hearing, the hearing will be adjourned and rescheduled.

We have to take a roll call attendance of the Commission. My name is Dianne Martin. I'm the Chairwoman of the Public Utilities Commission, and I am alone.

Commissioner Bailey.

CMSR. BAILEY: Good morning.

{DG 20-152}[REDACTED FOR PUBLIC USE] {11-18-20}

19

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

20

21

22

23

	4
1	Commissioner Kathryn Bailey, and I am alone.
2	CHAIRWOMAN MARTIN: Okay. Let's
3	take appearances, starting with Mr. Sheehan.
4	MR. SHEEHAN: Good morning again.
5	Mike Sheehan for Liberty Utilities
6	(EnergyNorth Natural Gas).
7	CHAIRWOMAN MARTIN: And Ms. Shute.
8	There you are.
9	MS. SHUTE: Good morning,
10	Commissioners. Christa Shute, staff attorney
11	for the Office of the Consumer Advocate on
12	behalf of residential customers. Thank you.
13	CHAIRWOMAN MARTIN: Thank you. And
14	Ms. Schwarzer. Good morning.
15	MS. SCHWARZER: Good morning, Madam
16	Chairwoman and Commissioner Bailey. Mary
17	Schwarzer. I'm here representing the staff
18	of the Public Utilities Commission.
19	CHAIRWOMAN MARTIN: Okay. Thank
20	you, everyone. I will remind everyone
21	participating that they should refrain from
22	identifying information that's been
23	identified as confidential during the public
24	session.

Are there any other preliminary matters we need to go over before we start with the witness? Ms. Schwarzer.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

MS. SCHWARZER: Thank you, Madam Chairwoman. There are two exhibits that I'd like to introduce and have made part of the record. Counsel for Liberty and counsel for the OCA have assented to their being entered. One is Exhibit 9, which is updated, as was intended at the last hearing, but was unsuccessful. The changes are listed in the cover letter. You can tell it is different from the other Exhibit 9 because it has the November 18, 2020 date in the upper left-hand So that is an exhibit with which corner. you're all familiar.

The second exhibit, Exhibit 22, was put together by the Director of Water and Gas, Stephen Frink, at his direction or by him, and shows the bill impact rates for Staff's recommended rate and FPO rate. He has not been on the record to identify that. If the Commission would prefer that, we can do that. Counsel for OCA and Liberty have

```
6
1
         assented to the exhibit being entered into
         evidence.
2
                    CHAIRWOMAN MARTIN:
3
                                         Have you
         stipulated to the facts in the exhibit
4
         otherwise --
5
                    MS. SCHWARZER: I have not done
6
7
         that with them on the record.
                    CHAIRWOMAN MARTIN: Okay.
8
                                                Ιf
         there's not a stipulation to the facts, then
9
         I would just have him swear -- sworn in and
10
11
         adopt that.
                    MS. SCHWARZER: Then I will recall
12
         him briefly then turn it over to Liberty.
13
14
                    CHAIRWOMAN MARTIN: Ms. Robidas,
15
         did you have a problem?
16
               (Discussion off the record.)
17
                    CHAIRWOMAN MARTIN: Go ahead, Ms.
18
         Schwarzer.
19
               (WHEREUPON, STEPHEN P. FRINK was duly
20
                sworn and cautioned by the Court
21
                Reporter.)
22
               STEPHEN P. FRINK, SWORN
23
                 DIRECT EXAMINATION (cont'd)
    BY MS. SCHWARZER (cont'd):
24
```

- Q. Mr. Frink, you're still under oath. I want to ask you about Exhibit 22. What is that exhibit?
- A. Exhibit 22 provides the bill impacts if the
 Commission were to approve Staff's
 recommended rates effective December 1st. So
 it uses the interim rates for November and
 the Staff recommended rates for December
 through April.
- Q. And what is the significance of the last two pages, Pages 3 and 4.? Why were those included?

A. So Page 3 shows what a non-FPO customer is paying compared to last winter, and Page 4 shows what an FPO customer would be paying this winter compared to last winter if they had not been an FPO customer. And you can see, if you were an FPO customer -- a non-FPO customer this winter, you're expected to pay \$831. And if you were a non-FPO customer and you elected to be an FPO customer, this winter you'd pay \$840. So that shows the risk premium of choosing the FPO option. So, basically it's the exact same thing, but with

```
8
         a two-cent per therm risk premium added.
1
2
         And do you have any changes to make to
         Exhibit 22 today?
3
         I do not.
4
    Α.
5
         And do you adopt it as your testimony?
    Q.
         Yes, I do.
6
    Α.
7
         Thank you.
    0.
8
                    MS. SCHWARZER: I have nothing
         further.
9
                    CHAIRWOMAN MARTIN: Any cross from
10
11
         either counsel on that?
                    MR. SHEEHAN: No, thank you.
12
                    CHAIRWOMAN MARTIN: Okay. Thank
13
14
         you.
15
                    MS. SHUTE: No, thank you.
16
                    CHAIRWOMAN MARTIN: Ms. Schwarzer,
17
         you mentioned the date on the new, updated
         Exhibit 9. Can you say that again?
18
                                    Yes.
                                          It was the --
19
                    MS. SCHWARZER:
20
         the updated Exhibit 9 has the November 18,
21
         2020 in the upper left-hand corner of the
22
         exhibit, as well as the docket number on the
23
         right-hand side.
24
                    CHAIRWOMAN MARTIN:
                                        Okay.
                                                Thank
```

Yes, I did.

24

Α.

- Q. And you assembled the attachments that would go along with your testimony as well; is that correct?
- 4 A. Yes, it is.
- Q. Do you have any changes or corrections to your testimony you'd like to bring to the Commission's attention this morning?
- 8 A. I have two minor edits. The first is on
 9 Bates 13. At the bottom of the page there's
 10 a footnote No. 1. In the second line of that
 11 footnote, the end of the sentence that ends
 12 in the middle of that line says "under which
 13 the Company took service," the word "took"
 14 should be replaced with "did not take."

And the second correction is on

Bates 21, Line 4. There was a date given for
the order on that line. "August" should be
replaced with "July."

- Q. Thank you. With those changes, do you adopt your written testimony as your sworn testimony this morning?
- 22 A. Yes, I do.

15

16

17

18

19

20

21

Q. And of course I won't go through your
testimony, but I would appreciate you just

1		very briefly reminding us what the Company's
2		positions are as to the two issues that are
3		before the Commission, the two remaining
4		issues that are before the Commission in this
5		docket.
6	A.	Yes. And these were described on Bates 8 and
7		9 of my testimony. But in summary form, it
8		really comes down to whether we should be
9		allowed to recover the prior period demand
10		charges related to the CNG contract, as well
11		as how the incremental costs of CNG versus
12		propane should be handled in this proceeding.
13	Q.	And of course, the Company's position is well
14		known. And with that, I guess I will let the
15		others ask questions of you on
16		cross-examination. Thank you.
17		CHAIRWOMAN MARTIN: Ms. Shute, do
18		you have questions?
19		MS. SHUTE: I do have questions.
20		CROSS-EXAMINATION
21	BY M	S. SHUTE:

Q. Okay. And I apologize, Mr. Mullen, if some of these questions seem really basic or are included in the record. We do the best we

22

23

can at the OCA to help keep up with these dockets, and the expedited dockets are particularly challenging. I appreciate your forbearance, and I'll try not to take too much time.

I also want to be forthright, that the Office of the Consumer Advocate doesn't believe that either of these additional CNG costs should be approved, or even that a determination of prudency should be ascertained. But in the event that the Commission decides to address that issue, we feel it's prudent to make sure that certain things are on the record.

So you already mentioned the issues at the center of today's hearing, and a big part of that is the difference in cost between propane air and CNG. And I just want to clarify for the record that propane air is different from just propane. My understanding is that propane air is essentially a synthetic natural gas that's formed by mixing vaporized propane or liquid propane gas with air and that it can be used

- as a direct replacement for natural gas in combustion applications. Is that a correct understanding?
- A. Well, I don't know about the characterization
 of it as a "direct replacement" because there
 are changes to customers' equipment that
 needs to be done because they burn at
 different BTUs -- at different BTU contents.
 But in terms of, you know, how you described
 the difference, I will accept that.
 - Q. Okay. And my understanding is that in a cost of gas hearing, the costs from the propane air and the CNG costs would be blended into the same cost of gas rate; is that correct?
- 15 A. Yes.

11

12

13

14

- Q. And you say in your testimony, on Page 8,
 that the CNG costs only relate to a limited
 number of customers. And I think that's
 about -- is that still about 20 customers in
 the Monadnock area?
- 21 A. It's 15 to 20. I don't know the exact
 22 amount. But at the Monadnock Marketplace,
 23 yes.
 - Q. And so if that's a blended, does that -- that

```
means that all of these incremental costs for
1
2
         these few commercial customers -- they are
         all commercial customers; right -- are
3
         getting socialized across all of the Keene
4
5
         customers?
6
    Α.
         Yes.
7
         And they are all commercial?
    0.
         Yes.
8
    Α.
         So what's involved in a conversion? What was
9
10
         involved to convert the customers from
11
         propane air to CNG?
         Well, that's -- you know, I can speak
12
    Α.
         generally about it. If you want further
13
14
         detail, you have to speak to people in
15
         operations or engineering.
16
               But there's conversions at the customer
17
         location.
                     Their equipment needs to be
         changed in order to burn natural gas rather
18
```

location. Their equipment needs to be changed in order to burn natural gas rather than propane. We had to -- then we also had to connect the temporary CNG facility to the Marketplace. And what we essentially ended up doing there was creating a system that's separate from the rest of the propane air customers in Keene. That's also the cost --

19

20

21

22

23

- so if you're talking conversion, that's

 what's involved to get the CNG to the

 customers. We also installed the temporary

 CNG skid for the supply portion.
- Q. Okay. And so the conversion for the skid and the temporary facility, that's something that the Company's paid for. The conversions at the customer location, was that something that the Company paid for or that the customers paid for?
- 11 A. The Company did.

15

16

17

18

19

20

21

22

23

- Q. Do you have any idea, roughly, just ballpark order of magnitude, what the cost to convert the customers was?
 - A. Off the top of my head, I think roughly it might be in the area of 300,000 or so. But those costs aren't at issue in this proceeding. Those are things that will be viewed as part of the rate case. None of those costs that I've spoken about are at issue in this proceeding.
 - Q. So doesn't the... well, seems to me that the decision to put in temporary CNG is at issue in this proceeding because it involves the

prudency finding of whether or not the demand charges and the additional charges should be charged. So shouldn't the costs and the analysis of whether or not the temporary CNG should occur -- why would that not be relevant?

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

- Because what we're concerned about here Α. are -- this is a cost of gas proceeding where we're talking about the cost to serve our customers, whether it be through propane or CNG, the costs of those. So those are basically supply and demand costs that are folded into the cost of gas rate. The whole reasoning for installing the temporary CNG was all a part of Docket DG 17-068. stated in my testimony, it's the Company's position that the Commission approved the conversion of these customers to CNG. we have a responsibility to serve those customers with CNG, and those are the costs that are resulting from the supply contract and that are at issue in this proceeding.
- Q. Okay. And DG 17-068, that was a petition for a declaratory ruling as to whether or not it

- made sense -- whether or not serving CNG was, as a matter of law, part of the existing gas franchise of Liberty; correct?
- 4 A. That's how it started, yes.

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

- Q. So that's what was in the order of notice.

 That's what was in the filing, and you say
 that's how it started. Could you explain
 what you mean by that?
- Sure. And there's a series of orders in that Α. proceeding. You know, at first the Commission agreed with the Company that we had the franchise authority to serve natural gas in Keene. And then there were some further determinations about the need for a safety assessment. There were other rulings related to motions by an intervenor. there were other things as you go through those orders. There were other findings that the Commission made that go beyond just our request for a declaratory ruling about the need for a franchise. There were -- again, the Commission ruled that a safety assessment was needed; that was done. The Staff issued a recommendation after that, and after the

Company responded to that, and the Commission approved the Staff's recommendation. And as part of the approvals there -- and I've got some of this in my testimony. Let me get to the right page. If you refer to Bates 21 of my testimony, you will see that I quote from Order 26,274. It stated in that order,

"Accordingly, we grant Liberty the permission and approval to undertake the conversion of the Keene system, subject to the conditions set forth herein."

Later, on Lines 19 to 24, the Commission acknowledges that this would be a separate system from the rest of the propane system in Keene, and recognizes that once a customer begins receiving natural gas, that customer will no longer be able to receive propane air as a fuel source.

So as a long way of answering your question, there are a number of things that went beyond just how the case started with the request for a declaratory ruling related to the need for a franchise.

Q. Okay. So the original order was the

declaratory ruling. And that was the order that specifically said this order does not include any finding of prudency regarding the Keene installation. These matters should be examined in the rate case in the first instance and potentially as part of a separate review proceeding. So what you're saying --

A. I think you may have mixed orders there.

Q. That's Order 26,065 from October 20th, 2017 in DG 17-068.

So my understanding from what you're saying is that after that order happened, there was additional procedure in the docket which included a hearing later in 2018, which I think is where you're getting to, the order that came out of that hearing making the -- making some clarifying statements. But that transcript shows that the docket was simply to address the scope of Liberty's existing franchise.

So at what point in time was anybody put on notice that 17-068 was going to include a determinancy of prudency, and at what point

```
in time in the docket was any testimony or whatnot filed regarding that prudency?
```

talking about conversion, this isn't about -what we have converted so far is just the
handful of customers at the Marketplace. The
Company's position is that the Commission
gave us approval to do that. You know, we're
not saying that the conversion of the entire
system to CNG or LNG from propane has been
ruled prudent. We don't have that -- that
decision hasn't been made. There's too much
more information that needs to be developed
related to the permanent facility and plans
from that permanent facility once it's
finally sited.

So what we're talking about is, and I want everybody to keep in mind because I think the hearing has kind of gone a little far afield at times, is that this is really about the customers for which the Company -- the Commission has approved the conversion to natural gas and our responsibility to provide those customers with service. And as the

```
Commission acknowledged, the only way that once they're converted is that propane is not an option. So we have an existing CNG supply contract that we signed back in May of '17, and those are the costs that are at issue here.
```

Q. Okay. But just to go back to the original question that I asked, Mr. Sheehan said in that hearing that the position of Liberty, and what it viewed from the October order, was that the Company -- that, quote, "The Company does have the right to serve Keene customers with natural gas." That was based on the declaratory ruling. That's on Page 8 of the transcript. And he goes on to say that, "Our position is that the issue in this docket is a legal issue: Do we have the right or not to serve natural gas?"

So again, there's sort of a limitation in terms of the scope of the docket. So I guess I'll just move on from that question.

But I --

A. Well, I would just say the orders have certain decisions and the orders speak for

themselves in terms of the approvals that were given.

Q. Okay.

3

13

14

15

16

17

18

19

20

21

22

23

- 4 CHAIRWOMAN MARTIN: Ms. Shute,
 5 you're on mute.
- 6 MS. SHUTE: Apologies. Thank you.
- 7 BY MS. SHUTE:
- Q. Do you plan, from the temporary skid from which these additional costs have been generated, do you plan to serve any of the residential customers in the Monadnock Marketplace area?
 - A. My understanding is that is not planned for that. Residential customers would be served after we site a permanent facility. And then, you know, conversions would have to happen. Again, once you have that anchor point, you know where your starting point is. So any residential conversions would take place from that spot and again from that permanent facility.
 - Q. And you had said -- you state in your testimony, and you stated earlier today, that the conversion of the entire Keene system

```
1
         from propane air to natural gas is not at
         issue in this proceeding; correct?
2
         Correct.
3
    Α.
         And I think that you stated just a minute ago
4
    Q.
         that the cost to convert the Monadnock
5
         customers was around 300,000.
6
7
         remembering that correctly? I'm sorry.
8
         That's off the top of my head. I'd have
         to --
9
         Sure. But just order of magnitude, that was
10
    Q.
11
         like the conversion of the customers versus
         the skid and the delivery system.
12
         Subject to --
13
    Α.
14
               (Court Reporter interrupts.)
15
                    CHAIRWOMAN MARTIN: Just a minute,
16
         Mr. Mullen.
               (Discussion off the record.)
17
                    CHAIRWOMAN MARTIN:
                                        That's what I
18
19
         was also going to stay. There's been a lot
20
         of speaking over each other. So if you could
21
         be a little more sensitive to not talking
22
         until the other person is done, that will
23
         help Ms. Robidas and all of us.
24
                   MS. SHUTE: You bet.
```

- A. So I would just say that those numbers would be subject to check.
- 3 BY MS. SHUTE:
- Q. Sure. But those are the numbers for the conversion of the customers versus the delivery system to the customers.
- 7 A. Correct.
- Q. And on the first day of the hearing, Ms.
 Gilbertson stated, "We can't switch the
 customers back. They have to use the CNG."
 Do you agree with that statement?
- 12 A. Yes.
- Q. And could you elaborate as to why you agree with that statement?
- 15 As I explained earlier, when we installed Α. 16 some main to go from the temporary skid to 17 the Marketplace, that is now a separate system from the rest of the Keene customers. 18 So those that have been converted in the 19 20 Marketplace to CNG, also their equipment has 21 been modified so it will burn natural gas 22 rather than propane air. And again, the 23 Commission acknowledged in the order that I cited in my testimony, that once they're 24

converted, propane air is not an option for those customers.

3

4

- Q. Is it possible for the -- does it make sense for the temporary facility to always be a temporary facility?
- Well, there's the word "temporary" for a 6 7 I mean, that's not part of a reason. 8 long-term plan. You know, that was done, as you heard earlier in the hearing, that was 9 done to address safety issues with blowers at 10 the plant. That was never, as described in 11 12 my testimony, that was never a part of the overall conversion. It was a step that had 13 14 to be taken because of what transpired back 15 in December of '15. And again, there was 16 another incident similar in February of '16. 17 So the Company found it necessary to address that to make sure we provided safe and 18 19 reliable service to our customers. So, you 20 know, again, that's not -- it could -- my 21 understanding is it could physically operate 22 that way for quite a period of time. 23 still have the issues on the other end with the propane facility, in terms of the 24

condition of that facility, as well as the expiration of the lease that we need to deal with.

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

Okay. So from a safety perspective, in Q. DG 17-048, which was the rate case, and that was in -- there was an order issued in April approving the permanent rates, and in that, the Commission specifically rejected the Company's argument that the current cost of converting a small portion of the Keene system to CNG was necessary for reliability and safety reasons, or that it was economically justified on its own terms. what I hear you saying is that the Company takes the position that the change was done for safety reasons. That's not something that's necessarily been agreed to, or that's specifically been rejected by the Commission.

So my question is: You state that there can't be -- that they can't go back. So I understand when you said that a new system was put in place to deliver the CNG to those customers and that there was a conversion of those customers. Is the propane air

- delivery -- because this is separate; right?

 This is a separate delivery system? Is the propane air system still there?
- A. For those customers? No. They are physically separated from that.

6

7

8

9

20

21

22

23

- Q. Right. I understand that they're physically connected to the new system. But is the old system still in the proximity of those customers?
- I think physically it could probably be 10 Α. 11 hooked up. But at the same time, that would 12 also involve re-using the blowers that we found to be troublesome. Those blowers are 13 14 not needed for the rest of the system. 15 were only needed for this part of the system, 16 which is referred to as the "high-pressure" 17 part of the system. By converting these 18 customers, we were able to take those blowers 19 out of service.
 - Q. So if you're making a statement that the customers can't go back and that it's not -that temporary -- it's called "temporary" for a reason, then it seems like you're making a decision on the whole system, which I

understand that you're saying that you have not done. But it seems like that -- those two things don't seem to be separable, if you're going to declare that the customers can't be moved back and that temporary shouldn't be temporary. I don't see how we can separate those two issues as you've asked.

A. Well, the Company has long been planning,
even from the time that it acquired Keene, to
convert the entire system to CNG and/or LNG.
That was as part of that acquisition
proceeding, which I believe was DG 14-155.
So that hasn't changed.

In 17-048, in the order of you reference from April of '18, the Commission put a lot of conditions on any conversion of Keene and any phase of expansion or conversion. And we'd have to get certain customer commitments in terms of revenue. We would have to, you know, make sure that the revenue would recover I think at least 50 percent of the capital costs. So the -- so to the extent that, you know, we are still going forward

with it, which we are, and we're exploring sites for the permanent facility, we understand there's lots of hoops we have to jump through in order to get approval to do any further conversions of the system.

You know, I think what's interesting, too, is I don't believe that for purposes of those conditions, I don't believe that order singled out the Marketplace. I don't think it was mentioned in relation to that. So, again, any future conversions of the rest of the system are going to be subject to review, scrutiny. And we have lots of requirements before we can do that. So this, again, is a separate little piece that was done for a different reason, and now we're just trying to recover the costs of supplying those customers with natural gas.

Q. Okay. It seems like they're connected to me and that they should be dealt with altogether. But let's leave it at that.

So to convert them back to propane air could take as much as it cost to convert them to natural gas in order to convert them back;

1 is that right?

- 2 A. I have no idea how much that might cost. I
 3 won't speculate.
 - Q. Okay. And what kind of -- I mean, what was the discussion like with these customers, with these 15 commercial customers? Like what kind of promises were made, or what kind of arrangements were made for them to engage in this conversion?
 - A. I didn't personally speak with the customers, so I can't speak directly to that. I do know that there had to be some coordination ahead of time in order to make sure that we could convert them at a time that was convenient and at a time, you know, that we could get everybody done at the same time. But other than that, I can't speak directly because I was not involved in those conversations.
 - Q. Okay. So if ultimately the -- if ultimately the Company either decided not to, or the Commission decided that it wouldn't be prudent to allow the recovery of the permanent facility, what would happen to these -- what would happen to these

- customers? What would, in that hypothetical scenario, what would the Company do?
- A. When you say "these customers," you're referring to the Marketplace?
- 5 Q. Yup, the converted customers.

13

14

15

16

17

18

19

24

A. Then the temporary facility that we're doing
would have to continue to serve them. I
mean, we don't own the temporary facility.
So we would then have to explore whether or
not we continue with the types of contracts
that we have now where a supplier brings in a
skid, or if we would have to purchase a skid

to be able to serve these customers.

- Q. Okay. So you state in your testimony at
 Page 8 that the Commission approved the CNG
 contract and its demand charges in May of
 2018. And by "May of 2018," you're referring
 to Order 26,126 approving the summer cost of
 gas rate; correct?
- 20 A. Just trying to keep my order numbers
 21 straight.
- Q. Yeah. The time line you provided was helpful, by the way. Thank you.
 - A. You can thank Maureen at the office for

- helping me with that. 1
- 2 Q. Okay.
- I will take that order number, subject to 3 Α.
- check. Too many documents open in front of 4

[WITNESS: STEVEN E. MULLEN]

- 5 me.
- I completely understand. 6 Q.
- 7 So you were part of the 2018 Summer Cost 8 of Gas filing?
- I don't believe I filed testimony. I might 9 Α. not have participated in that proceeding. 10
- Okay. But you do refer to it in your 11 Q.
- 12 testimony here. It was a fairly routine --
- as being the place that approved the CNG 13
- 14 contract, it was a fairly routine cost of gas
- 15 proceeding? I mean, effectively, the order
- 16 of notice was like many of cost of gas
- 17 proceedings; right? It identified the issues
- as those related to the justness and 18
- 19 reasonableness of rates, fairness in charges,
- 20 reasonableness of sales forecast, supplier
- The order of notice didn't actually 21
- 22 mention CNG. Would you accept that was the
- 23 case?
- I accept that. You know, and the Company has 24 Α.

no input to the orders of notice.

Q. Hmm-hmm. So it was such a routine filing, that the Office of the Consumer Advocate, which seems to be involved in many dockets, and frequently cost of gas dockets, actually chose not to participate. So I only had access to what was actually in the docketbook, although this morning I did receive some of the confidential information from Paul Dexter, who was the attorney there.

McNamara and Gilbertson that included about 19 lines of testimony on CNG. And the gist of the testimony was that CNG was some confidential amount lower than propane, and that after the inclusion of the demand charges that, quote, -- and this is in the docketbook and not marked as confidential.

So just from Bates Page 10, quote, "CNG will be approximately 9.77 cents less than spot propane." And basically as the volume grew and the fixed demand was spread across more volume, that the savings would increase from there. Does that sound about right?

A. Subject to check, yes.

1

14

15

16

17

18

19

20

21

22

23

- 2 Q. And other than that, I saw some redacted prices for CNG delivery on Schedule K, or 3 Bates Page 29, and nothing else in the filing 4 or that -- nothing else in the filing on CNG 5 except for those 19 lines of testimony and a 6 couple of lines on Schedule K. And so if 7 8 we're relying on the order from the 2018 Summer Cost of Gas as having approved the 9 contract, one would think that the contract 10 11 would have been part of the filing and, you 12 know, part of the issues that were to be evaluated. 13
 - A. Well, the costs were included in the filing.

 I can't speak to whether or not the contract was reviewed as part of discovery. But to the extent that the costs were included in the filing, just like with the Energy North cost of gas proceeding, there are lots of contracts involved. They're not all specifically entered into as part of the initial filing. So, again, things sometimes are reviewed during discovery. The costs were there, and the costs were part of what

was approved in the rate.

- Q. Okay. So you're saying that because the costs were approved in the rate, costs that were projected to be 10 cents lower, that that thereby approved the contract.
 - A. I'm saying that, you know, regardless of where the costs came out, because the costs were in there and they were done in accordance with the contract, that it's really no different than the Commission's recent order on Granite Bridge in DG 17-198, where it talked about certain contracts and said that those were already dealt with in prior cost of gas proceedings, so they didn't need any specific approval in that docket.

 This is a similar circumstance.

MS. SHUTE: I think I'd like to move to address confidential information. Could we do that, please?

CHAIRWOMAN MARTIN: Yes, we can, but we'll need to go out of public session.

Mr. Wind, are you able to do that for us?

MR. WIND: Yes. So I will start a

private session. So the members of the				
audience who are designated as "attendees,"				
your screens will switch to blank. You'll				
just see initials on the tiles, and we will				
come out of the private session at the				
appropriate time.				

MS. SHUTE: Eric, can you move Pradip up to the panel just for this?

MR. WIND: So I will observe that, subject to other attorneys looking, it appears that there are only members of the three parties' staff who are in the public section. So I don't know if you want to go off the record and discuss whether or not it's necessary to enter into a private session right now.

CHAIRWOMAN MARTIN: Let's hear from Ms. Schwarzer before we go off the record.

MS. SCHWARZER: Thank you. I believe Iqbal is also among the attorneys in the public group. And whereas Staff is not opposed to moving them up, and it's unlikely that anyone would wish to join who was not a member of Staff, it seems appropriate, given

		37
1	Right To Know ramifications and other	
2	potential issues about privacy, to either	
3	move them into this private session or,	
4	unfortunately, exclude them.	
5	CHAIRWOMAN MARTIN: Mr. Wind, let's	
6	go off the record for a minute.	
7	(Discussion off the record)	
8	CHAIRWOMAN MARTIN: Let's go back	
9	on the record a minute, Ms. Robidas, if you	
10	don't mind.	
11	Ms. Schwarzer.	
12	MS. SCHWARZER: I believe Mr.	
13	Dexter was also a participant whatever the	
14	not participant category is. I don't know if	
15	he's still there.	
16	MR. WIND: He is. Shall I	
17	MS. SCHWARZER: Yes.	
18	CHAIRWOMAN MARTIN: Counsel for all	
19	of the parties, look at the people who are	
20	identified here and confirm that they should	
21	be present before confidential information	
22	gets discussed.	
23	Mr. Sheehan.	
24	MR. SHEEHAN: I have no objection	

		38
1	to any of those who have been promoted. I	
2	also have in front of me the list of those	
3	who remain in the other room, and they are	
4	all either members of Staff Mr. Weisner,	
5	Mr. Vercellotti, Ms. Fabrizio or a Liberty	
6	employee, Ms. Carr, so I don't have a problem	
7	moving them all up.	
8	CHAIRWOMAN MARTIN: Do you want the	
9	Liberty employee moved up?	
10	MR. SHEEHAN: That would be great.	
11	Thank you.	
12	CHAIRWOMAN MARTIN: And Ms.	
13	Schwarzer, do you want all of the other Staff	
14	moved up?	
15	MS. SCHWARZER: Yes. Thank you	
16	very much.	
17	CHAIRWOMAN MARTIN: Ms. Shute, any	
18	issues?	
19	MS. SHUTE: No. Thank you.	
20	CHAIRWOMAN MARTIN: All right.	
21	(Pages 39 through 49 of the transcript	
22	are contained under separate cover	
23	designated as "Confidential and	
24	Proprietary.")	

50 1 PUBLIC SESSION RESUMES * * 2 MR. WIND: Okay. We're all set on I will gradually move the attendees my end. 3 back down to that pool as well. You can 4 5 proceed. 6 CHAIRWOMAN MARTIN: Okay. 7 back in the regular public session at this 8 time. 9 Ms. Shute, you can proceed. MS. SHUTE: Thank you, Chairwoman 10 11 Martin. BY MS. SHUTE: 12 Okay. So going back to whether the prudency 13 issue has been addressed and the reliance on 14 15 the Summer of 2018 Cost of Gas hearing and 16 the declaratory ruling in 17-068. 17 addition to that, in the Winter 2018 Cost of Gas, Order 26,184 indicated an approval of 18 rates with the CNG costs removed. 19 20 Summer 2019 Cost of Gas, Order 26,241, the Commission declined to address Staff's 21 22 concern with regard to the CNG costs that may 23 exceed the cost of alternative fuels, and notably indicated that Staff could raise that 24

issue in future dockets, including in the Company's next rate case. Then, in both the September 2019 clarifying Order of 26,294 and the October 2019 Winter Cost of Gas Order of 26,305, the Commission reaffirmed that the conversion had not yet been evaluated as prudent.

So my question is: With all of these pieces, doesn't this indicate that the prudency issue has not yet been addressed?

And was the analysis of how to address it filed in this docket or in some other docket?

Because I haven't been able to find an analysis.

- A. When you say "the prudency," what prudency are you referring to? Conversion of the entire system?
- Q. No. I'm referring to whether or not it's prudent to be delivering CNG to 15 to 20 customers in the Monadnock Marketplace.
 - A. And the orders that you just referenced from September and October of 2019 followed the order that's referenced in my testimony in July of 2019, Order 26,274, where, as I

stated before, "We grant Liberty the permission and approval to undertake the conversion of the Keene system, subject to the conditions set forth herein." So those orders came after we received approval to convert customers in the Marketplace. So, again, the cost of that conversion hasn't been submitted for recovery to this point. But the fact that the approval to convert those customers is included in that earlier order.

Q. So that earlier order inside the declaratory ruling effectively addressed a matter of law, but included in as a matter-of-law issue the issue of safety, because safety has to be incorporated into the ability to provision gas under your franchise. So how is it that that declaratory ruling, in which the docket itself was based on a matter of law, how does that indicate a fact finding that established a prudency for whether or not it made sense -- whether or not -- not that it made sense, but whether or not it was prudent?

You have the legal right to do, to provide

- service to these folks, and that's what
 17-068 established, that you could. It
 doesn't establish that you should or that
 it's prudent. I mean, was there analysis
 provided in that -- you know, was that a
 fact-finding docket that provided analysis as
 to whether or not it was prudent to do or -prudent to do?
- A. Well, the docket book, the filings, the orders in that case all speak for themselves. When the Commission issued its initial order on the declaratory ruling agreeing with the Company that we had the franchise to serve natural gas in Keene, it also stated that a safety assessment was required. What follows from that is, you know, the docket got expanded beyond what we had initially requested in the declaratory ruling. But again, the orders all speak for themselves in terms of the findings they made and the bases those findings were made on.
 - Q. Thank you very much. I appreciate your time in answering the questions.

MS. SHUTE: And I am done with this

```
54
         witness, Chairwoman Martin. Thank you.
1
2
                    CHAIRWOMAN MARTIN:
                                        Okay. Thank
3
         you.
                    Ms. Schwarzer.
4
5
                    MS. SCHWARZER:
                                    Thank you.
                    CHAIRWOMAN MARTIN: Let's go off
6
7
         the record for a second.
               (Discussion off the record.)
8
               (Lunch recess taken at 12:41 p.m., and
9
               the hearing resumed at 1:34 p.m.)
10
11
                    CHAIRWOMAN MARTIN: Let's go on the
12
         record.
                    And Ms. Schwarzer, you're up.
13
14
                    MS. SCHWARZER: Thank you, Madam
         Chairwoman.
15
16
                      CROSS-EXAMINATION
17
    BY MS. SCHWARZER:
         Mr. Mullen, I'm just looking for your screen.
18
19
         Where are you? Oh, there you are.
20
         you.
21
              Mr. Mullen, I wanted to ask you about
22
         your experience with the CNG applied contract
23
         either in the RFP phase or the contract
         negotiation phase. So let me break it down.
24
```

1 Were you directly or indirectly involved

in the RFP process for the CNG contract in

- October 2016, that was signed in 2016?
- 4 A. I was not.
- 5 Q. Were you directly or indirectly involved in
- the RFP process for the CNG contract
- negotiation for the contract that was signed
- 8 in November of 2016?
- 9 A. I was not.
- 10 Q. Were you directly or indirectly involved in
- the RFP process for the CNG contract
- amendment that was executed in May of 2017?
- 13 A. I was not.
- 14 Q. And were you directly or indirectly involved
- in the contract selection for the
- 16 October 2016 contract?
- 17 A. No.
- 18 Q. Were you involved in the contract selection
- directly or indirectly for the November 2016
- 20 contract?
- 21 A. No.
- 22 Q. Were you -- okay. May 2017 --
- 23 A. No.
- 24 Q. -- same question?

- 1 Were you directly or indirectly involved
- in the execution of the October 2016
- 3 contract?
- 4 A. No.
- 5 Q. Or the November 2016 contract?
- 6 A. No.
- 7 Q. Or the May 2017 contract?
- 8 A. No.
- 9 Q. Were you directly or indirectly involved in
- 10 discussions with Staff in the winter of 2015
- about any CNG contract?
- 12 A. You'd have to be more specific. I've been
- involved in lots of conversations over the
- 14 years. And I don't know -- I mean, going
- back to 2015? It's possible. But I really
- 16 can't recall. Nothing specific for me to
- 17 latch on to.
- 18 Q. Okay. If I represent to you that the 2015
- 19 Winter Cost of Gas did not -- the transcript
- 20 didn't say anything about CNG, would that
- 21 surprise you?
- 22 A. Wouldn't surprise me.
- 23 Q. And how about the winter of 2016? Were you
- involved in any discussions prior to that

- 1 cost of gas proceeding?
- 2 A. Discussions?
- 3 Q. About the CNG supply contract.
- 4 A. Again, you know --
- 5 Q. Too broad?
- 6 A. It is way too broad. When it comes to cost
- of gas proceedings, I am involved because I
- 8 review information that goes into the
- 9 filings. But in terms of just discussions, I
- don't know what you're referring to.
- 11 Q. Okay. Were you directly or indirectly
- involved in any research connected to CNG
- 13 service, including the supply contract from
- 14 the date Liberty acquired Keene in 2014
- through the execution of the October 2016
- 16 contract?
- 17 A. Well, again, I've been employed by the
- 18 Company since May of '14. I get involved in
- lots of conversations over the time. I don't
- 20 know exactly what you're classifying as
- 21 "research." But to the extent that I may
- have participated in conversations over time,
- I mean, again, it's too broad a question for
- me to give you any specific answer.

- 1 Q. Well, do you have any memory of any analysis
- that was done prior to the execution of the
- October 2016 contract that would support the
- 4 execution of that contract?
- 5 A. Not specifically, no, but that doesn't mean
- 6 something didn't happen that I was not
- 7 involved with.
- 8 Q. Well, I believe you were present when the
- 9 first Liberty panel testified?
- 10 A. I was.
- 11 Q. And would you agree that none of the three of
- them were aware of any specific analysis that
- was done in support of the October 2016
- 14 contract?
- 15 A. I believe that's what they said.
- 16 Q. And same question for the November 2016
- 17 contract: Did you -- Mr. Mullen, were you
- 18 involved in any research or analysis that
- supported the 2016 contract as something
- 20 Liberty should do?
- 21 A. Same answer I gave before.
- 22 Q. Is it too broad or no?
- 23 A. It's too broad for me to give you any
- 24 specifics. I mean, you're talking in

generalities here.

- Q. Well, are you aware of any specific document
 or memo that supports entering into a CNG
 supply demand contract at any time through
 the May 2017 execution date?
 - A. There very well may have been documents that crossed my e-mail at some point in time. May have been involved in meetings. Again, we're talking many years back. And I get involved in lots and lots of conversations. So it's hard for me, without any specifics, to be able to say whether I saw any particular document or I'm aware of any particular conversation.
 - Q. Sitting here today, given that it's an important issue, are you aware of any analysis that was done in 2016 or 2017 that supported entering into the CNG contract?
 - A. I'm aware that at the time we acquired Keene, as I testified earlier, that part of our plan was to convert the entire system eventually to CNG and/or LNG. So over that time period, after I joined the Company, I'm sure there were conversations that were had that I may

or may not have been involved with that took place. I can't recall any specifics at this time about that. But I know that people were looking into it over time because, again, that was part of what we discussed in Docket DG 14-155.

- Q. Well, specifically, though, just to get an answer to my question, sitting here today, are you aware of any analysis, financial spreadsheet or memo that you can point me to that supported converting CNG for Keene?
- A. Well, as I've testified earlier, we're here talking about the cost to serve the customers in the Marketplace. With respect to the Marketplace, I am aware of the Company's response as part of the investigation of the December 2015 incident that was requested by the Governor. And in there we put forth alternatives. I did review the Company's response there, so I do recall that. And I know that that involved, among other things, putting a CNG skid to serve the Marketplace. It also had as an alternative to go to a permanent LNG facility. So I am aware of

- 1 that.
- 2 Q. Okay. And I will ask you some questions
- about that later. But right now I'm thinking
- 4 more of the spreadsheet or financial analysis
- or projection of rates, any analysis or work
- that was done, any economic analysis that was
- done in 2016 or 2017 that would have
- 8 supported Liberty's deciding to go to CNG in
- 9 Keene.
- 10 A. I can't recall any specific document off the
- 11 top of my head.
- 12 Q. Did Chico DaFonte -- you would agree that --
- I may be butchering his name, I apologize --
- 14 Chico DaFonte signed the May amendment, the
- 15 May 2017 amendment?
- 16 A. I'd have to look at it, but I believe that's
- 17 the case. I'll take it subject to check.
- 18 Q. Sure, take it subject to check. Okay.
- 19 And he still works for Liberty, or
- 20 Liberty's parent company, Algonquin?
- 21 A. He does.
- 22 Q. You did not -- Liberty did not produce him as
- a witness.
- 24 A. That's correct. In this proceeding? Yes.

- 1 Q. Correct. Was he asked for any information he
 2 might have?
- A. And again, you've got to be more specific. I

 mean, we have conversations with people all

 the time.
- Q. Was Mr. DaFonte asked about any analysis,

 economic spreadsheet, concrete research that

 may have been done in 2016 and 2017 to

 support going to CNG in Keene?

MR. SHEEHAN: Object. This invades attorney/client communications as to what we request of our internal people. If Staff had requested the information in a data response, we certainty would have tracked it down and provided it.

MS. SCHWARZER: I do not think it goes to the attorney/client privilege.

Anything Mr. DaFonte may have said to Mr. Sheehan would go to attorney/client privilege. Mr. Mullen is not an attorney. He's not a representative of the Company at this time. He was clearly identified as a witness to step forward. He answered data responses about this entire issue. I think

it's fair for me to ask him if he's aware of whether Mr. DaFonte participated in discussions about why CNG was served in Keene.

CHAIRWOMAN MARTIN: Can you narrow your question, please, so it excludes the concern related to attorney/client privilege?

MS. SCHWARZER: Sure.

BY MS. SCHWARZER:

- Q. Mr. Mullen, with the exception of anything that your attorney may have said to you, or that Mr. DaFonte may have said to your attorneys, or anything that you overheard in a discussion that included your attorney, do you have any independent knowledge of whether Mr. DaFonte was asked about information that supported entering into a CNG contract in 2016 or 2017 contemporaneous to execution?
- A. Again, this involves too much speculation. I
 will say this, though, that most of the
 discussions that we have, whether they be
 verbal or whether they be through electronic
 version, typically involve legal
 representation. So whether I can remember

- something that maybe excluded Mr. Sheehan, I can't tell you off the top of my head.
- Q. Well, unless it was a legal meeting, there
 are -- if you can't make the distinction, let
 me just ask one more question and I'll move
 on.

You wanted to -- it's your position that it was prudent for Liberty to engage -- to execute the contracts that it did in 2016 and 2017; correct?

- 11 A. Yes, based on the circumstances at the time.

 12 And the 2016 contract ended up getting -- the

 13 original one ended up getting terminated --
- Q. Okay. And I'll get to that. But what circumstances do you believe supported entering into that contract?
- 17 A. Which one?

7

8

9

- Q. Well, let's go with October 2016. Why was that appropriate?
- A. Because, as the Company said in its response to the December '15 incident investigation, we were going to be looking at, among one of the things, to install a CNG skid to serve the customers in the Monadnock Marketplace.

65 That contract was related to -- at the time 1 2 we were going to locate a CNG skid behind the Price Chopper supermarket in that 3 Marketplace. That contract related to that. 4 We didn't end up going forward with that, and 5 that contract was terminated. 6 7 And was the October 2016 contract a uniquely 0. 8 supplied contract without any demand? I don't recall the terms off the top of my 9 Α. head. 10 Do you remember Debra Gilbertson testifying 11 Q. to that on Day 1? 12 I'll take that subject to check. 13 The Α. contract speaks for itself. 14 15 Okay. So is it your position that, Q. 16 irrespective of costs, irrespective of future 17 costs, that the only issue that you considered when -- that, you, Liberty, not 18 19 you, Mr. Mullen, that Liberty considered was 20 your concern about safety? 21 I wouldn't say that. Whenever somebody uses 22 a word like "only," I wouldn't say that's the 23 case. We also have a duty to provide reliable service. And so there are other 24

- 1 considerations that went into that --
- 2 Q. So what --

14

15

16

17

18

19

20

21

22

23

- A. -- so I would not -- I would not go with your statement.
- Q. Okay. So what other circumstances was
 Liberty aware of in October of 2016 that
 supported signing that CNG contract?
- 8 A. I believe I've already stated that we were
 9 going to serve the customers in the
 10 Marketplace with an alternative source so we
 11 could be able to retire the troublesome
 12 blowers that created safety and reliability
 13 issues.
 - Q. You have said that. And I heard that. And I understand that it's your position that it was a safety issue, irrespective of whether the Commission orders may say otherwise. But I'm asking you about other circumstances that you can identify right now that supported Liberty entering into a CNG contract in 2016 when the contract was executed.
 - A. Well, I was not involved in the execution of the contract, so others who were involved more directly would be the ones to question

- on that and not me.
- Q. Okay. And who was involved directly, other than the person, Mr. DaFonte, who signed it?
- A. Well, I believe somebody from business and
 development -- business development was
 included. I'm not sure what that really has
 to do with the costs that are at issue in
- Q. Well, I will get to that. But right now I'm
 just wanting -- trying to get a framework.

this cost of gas proceeding.

- Bill Clark was assigned to do economic analysis for CNG; is that correct?
- A. He works on lots of business development projects, and CNG was one of them.
- Q. Okay. And he is still with
 Liberty/Algonquin; is that correct?
- 17 A. Correct.

- 18 Q. And he is not -- Liberty did not produce him
 19 as a witness?
- 20 A. Correct, because, as I started off my
 21 testimony, there were two issues that are at
 22 issue with this cost of gas proceeding, and
 23 those relate to the cost to serve customers.
 24 So whatever happened back in 2016 for

- contracts that are no longer in place to me seems irrelevant.
- Q. Well, I believe the November 2016 contract was amended; is that correct?
- 5 A. Well, now we're talking about November and not October.
- 7 Q. Okay. Let me go back.
- 8 Do you have any information from Mr.
- 9 DaFonte about the November 2016 contract or 10 the May 2017 amendment, either one?
- 11 A. When you ask for more information, you have 12 to be more specific.
- Q. Are you aware of any analysis Mr. DaFonte did
- 14 to support Liberty's signing the
- November 2016 or the May 2017 contract to
- 16 serve CNG in Keene?
- 17 A. I am not personally aware of any particular
- analysis he may have performed.
- Q. Did you look for any before you answered data responses?
- 21 A. Which particular data responses?
- 22 Q. Any of our data responses. Particularly 1-4
- 23 and 1-12.
- 24 A. I'd have to go back and see the topics of

- those. But those were really talking about timing issues that we encountered. They didn't go to specific analysis of, underlying analysis of entering into contracts.
 - Q. Well, you're suggesting that entering into those contracts was prudent and reasonable based upon what Liberty knew; is that correct?

6

7

- 9 A. I'm suggesting that the contract that's in
 10 place now and the costs that we are incurring
 11 are prudent based on what we knew at the time
 12 we signed the contract that's in place right
 13 now.
- Q. And I'd like to know what did you know when
 you signed the contract in November 2016 that
 was later amended in May of 2017? What did
 Liberty know that supported entering into
 those contracts?
- A. And I believe that's discussed in my
 testimony, as well as in the discovery
 responses, about what we knew and what we
 didn't know.
- Q. I think you've talked about what happened. I
 don't think you've talked about what you knew

- in 2016 and 2017, which is why I'm asking.
- We knew that we were going to be serving 2 customers in the Marketplace. We knew we 3 needed to retire the blowers at the propane 4 facility. And we fully expected to be able 5 to serve customers later in 2017. 6 7 what we knew, and that's why we signed the 8 contract at the time, because we knew we 9 would have to provide them service because propane would no longer be an option once 10 11 converted.
- Q. Well, you understand wishes and expectations and plans are not the same thing as analysis.
- 14 A. I don't believe I spoke about wishes.

21

22

23

- Q. I think you said that you planned to serve
 CNG, you wanted to retire the blowers, and
 you expected service in 2017.
- A. We planned to retire the blowers. We didn't just want to. And again, that was part of our response to the December 2015 incident.
 - Q. We are going to talk about that later. But are you aware of any economic analysis that Mr. Clark did in 2016 or in 2017 with regard to CNG service in Keene?

- 1 A. And again, does it relate to just the
 2 Marketplace, or does it relate to the entire
 3 system?
- 4 Q. I will take an answer to either and both.
- 5 A. Well, I don't know how to answer such an open-ended question like that.
- 7 Q. Well, I'll try again.

8

9

10

11

20

21

22

23

24

Mr. Mullen, are you aware of any economic analysis that Mr. Bill Clark did in 2016 or in 2017 that supported entering into a CNG supply and demand contract?

- 12 A. Based on what I can recall at this moment,
 13 no.
- 14 Q. I would like to talk a little bit with you
 15 about the prudent standard in general. You
 16 have many skills. I just want to put on the
 17 record that you're not an attorney, so that's
 18 why I'm asking you about the prudent standard
 19 and how we're going to discuss it here.

In terms of prudence, you would agree that prudence has to do with what someone knows or should know at the time an act is undertaken; yes?

A. Generally, yes.

```
1 Q. And it doesn't require an ability to predict
2 the future; correct?
```

- A. Correct. Nor does it involve looking back in retrospect.
- Q. It's important to establish what was known or what could be known in 2016 and 2017; correct?
- 8 A. Correct.

24

Q.

- 9 Q. And prudence also includes due diligence and
 10 ability to consider risks and potential
 11 complexities and potential delays. Would you
 12 agree with that?
- 13 A. It includes a lot of things. Those could be among those, yes.
- 15 So in your testimony on Bates Page 8, Lines 2 Q. 16 and 3, I'm just going to read them. You 17 said, "Indeed, the reasons for the delay are not relevant to the current issues. 18 19 Company was simply providing insight into its 20 decision making and the issues that existed 21 before and after the execution of 22 the" -- (connectivity issue) 23 (Court Reporter interrupts.)

{DG 20-152}[REDACTED FOR PUBLIC USE] {11-18-20}

-- "CNG supply contract."

```
The first sentence to what I began
1
2
         reading was, "The responses" -- and you're
         talking about your data responses -- "are not
3
         intended to place blame for those delays.
4
5
         Indeed, the reasons for the delay are not
         relevant." Do you remember that part of your
6
7
         prefiled testimony?
8
    Α.
         I do.
         Okay. In terms of the reasons for the
9
    Q.
         delays, isn't it important to figure out
10
11
         whether information that was known or that
         should have been known in 2016 and 2017 would
12
         have dictated a different outcome or alerted
13
         you to delays that surprised you later?
14
15
         Sure.
    Α.
         So reasons are key to determine whether an
16
17
         entity -- in this case, Liberty -- knew or
         what it should have known from May 2014
18
19
         through May 2017.
20
         I'm not sure where May 2014 comes in.
    Α.
                                                 I
21
         guess that's when I joined the Company.
22
         Well, actually, May 2014 was my estimate of
23
         when an RFP probably went out for the
```

October 2016 contract.

- 1 A. I can't speak to when the RFP went out.
- 2 Q. Okay. So would you agree that reasons for
- 3 events that occurred later are important to
- determine whether an entity -- and in this
- 5 case, Liberty -- knew what it knew or what it
- 6 should have known from, let's say
- 7 October 2016, which is the date on your --
- 8 the first date on your timeline, through May
- 9 of 2017?
- 10 A. Sure.
- 11 Q. Okay. And were you here on Day 2 of the
- testimony, when Liberty's counsel represented
- 13 to Mr. Frink and Mr. Knepper that Liberty
- 14 could have cancelled the CNG supply demand
- 15 contract up until the day that the amendment
- 16 was signed on May 22nd, 2017?
- 17 A. I don't recall that specifically.
- 18 Q. Well, subject to check?
- 19 A. I'll take your representation subject to
- check. But I don't recall that specific
- 21 sentence.
- 22 Q. Okay. Let's look at Page 39, the timeline
- that you provided with your prefiled
- 24 testimony.

- 1 A. Okay.
- Q. What's significant to me is what's missing,
- frankly, from this timeline. There's nothing
- on this timeline that talks about when RFPs
- for the October contract or the November 2016
- 6 contract or the May 2017 contract -- I guess
- it would have been the November 2016 contract
- went out. So there's no RFP process on this
- 9 timeline; correct?
- 10 A. You're free to add whatever you'd like to a
- timeline. I mean, I prepared what I did and
- included in my testimony based on what I
- needed for my testimony.
- 14 Q. Well, there's nothing on this timeline that
- 15 talks about when contract negotiations
- occurred and terms were discussed for
- November 2016; correct?
- 18 A. They are not on this timeline. That is
- 19 correct.
- 20 Q. And there's nothing that shows contract
- 21 negotiations or analysis prior to the
- 22 execution of the November 2016 contract?
- 23 A. The timeline has what's on it, and it doesn't
- have what's not on it.

- 1 Q. Okay. In terms of the May amendment, there's
- 2 nothing on this contract -- on your timeline
- that suggests why an amendment was even
- 4 necessary; correct?
- 5 A. I don't know why I would put reasons in a
- 6 timeline.
- 7 Q. Okay. You've heard discussion of
- 8 Administrative Rule PUC 506.01, correct --
- 9 A. Correct.
- 10 Q. -- and its relevance here. If I represent to
- 11 you, as Mr. Knepper testified, it's
- substantively been in place for decades, and
- even in its present form it was in effect in
- 14 May of 2013, if we were to place this on the
- 15 timeline, it would be several years before
- the contracts were executed; correct?
- 17 A. That's correct.
- 18 Q. Okay. And for the duration of this timeline,
- and even going back to 2013 and 2014 when
- 20 Liberty acquired Keene, Liberty has never
- 21 been an end user. It's always been a
- 22 utility. So it's never been an end user of
- 23 fuels; correct?
- 24 A. I think we have some company use. I wouldn't

- say we're not an end user.
- 2 Q. Would you consider yourself an end user for
- 3 CNG?
- 4 A. By myself, you mean Liberty?
- 5 Q. I'm sorry. Yes. Do you believe
- 6 Liberty-Keene is an end user of CNG for the
- 7 Keene distribution system?
- 8 A. I don't believe there's any use there, so no.
- 9 Q. Okay.
- 10 A. However, what you have to keep in mind is
- that the Company does not own the skid. Our
- supplier owns the skid, so --
- 13 Q. Why do you -- why is that important for me to
- 14 keep in mind?
- 15 A. Because I believe that was a significant
- reason for the differing views about which
- 17 standards applied and which ones didn't.
- 18 Q. I think you're right, and I'm happy to get to
- 19 that. But does that change your answer as to
- whether you consider Liberty-Keene an end
- 21 user of CNG?
- 22 A. No.
- 23 Q. So is it your position that, notwithstanding
- what seems to be a lack of contemporaneous

```
information on analysis and contract
negotiation, and notwithstanding PUC 506.01,
and the fact that Liberty is not an end user
of CNG, that it was nonetheless prudent for
Liberty to sign the November 2016 and/or
May 2017 CNG supply contract?
```

MR. SHEEHAN: Objection to the characterization. Mr. Mullen testified he was not aware of any analysis. Staff could have asked for any witness to be present. We would have produced anyone they asked, as we have in the past. So Mr. Mullen is not aware of it. That doesn't mean it doesn't exist.

MS. SCHWARZER: I was actually asking for his opinion.

BY MS. SCHWARZER:

Q. Notwithstanding the lack of contemporaneous information from anyone on Liberty panels about analysis and contract negotiation, notwithstanding the PUC 506.01, is it your position, Mr. Mullen, that Liberty acted prudently when it signed the CNG contract in 2016 and 2017?

I'm going

CHAIRWOMAN MARTIN:

```
sustain the objection because I have the same recollection of the testimony regarding Mr.

Mullen not being aware of any analysis himself. So if you could rephrase, you can --
```

MS. SCHWARZER: Sure.

BY MS. SCHWARZER:

- Q. Mr. Mullen, based on the evidence in this hearing, which includes an absent -- which has no contemporaneous information on analysis or contract negotiation, is it your position that Liberty acted prudently when it signed the CNG supply contracts in 2016 and 2017?
- 15 A. Yes.

Q. Okay. I am going to now turn to that report that you referenced earlier that looks at safety issues from the 15-517 docket.

MS. SCHWARZER: And I'm going to ask anyone who wants to follow along to use either the link I described earlier. You can go to the PUC web site and click on the Safety Division. And then in the orange columns on the left, there will be a category

- that says Pipeline Safety Incidents, and
 second paragraph there will be the Keene
 incident. And at the end of the paragraph
 there will be a hyperlink which should bring
 you to the 100-plus-page report done by Mr.
- 6 Knepper.
- MS. SCHWARZER: And I'd appreciate
 if anybody who's still looking would sort of
 wave 'cause it's hard for me to know if
 you're there.
- 11 BY MS. SCHWARZER:
- Q. So Mr. Mullen, Page 1 of this report is dated
 March 31st, 2016; correct?
- 14 A. Correct.
- Q. And that was before Liberty executed the November 2016 contract?
- 17 A. That's correct.
- 18 Q. And before the May 2017 amendment?
- 19 A. Yes.
- 20 Q. And this is the report that you referenced
 21 earlier, the purpose of which was to respond
 22 to a directive to investigate the security
 23 incident -- the safety incident in December
 24 of 2015 for Keene.

- 1 A. Correct.
- Q. Okay. If you would go to Page 15, please, as
- numbered at the bottom of the page. Might
- take us all a little while to get there.
- 5 A. I'm there.
- 6 Q. Okay. You beat me then.
- 7 (Pause in proceedings)
- 8 Q. Okay. On Page 15, the title says "Staff
- 9 Recommendations and Review of Liberty
- 10 Post-Incident Actions"; correct?
- 11 A. Yes.
- 12 Q. And there are a number of actions that
- 13 Liberty implemented and a table on the left,
- and Safety Division comments appear on the
- 15 right.
- 16 A. And those are eight actions implemented
- immediately post-incident.
- 18 Q. And that's because this report focused on the
- short-term response. Given its date, it
- 20 really didn't have a chance to do much else.
- 21 But that was what it was directed to do;
- 22 correct?
- 23 A. I think it was that, and also for future
- actions as well, which are addressed on

Page 17. 1

- 2 And I agree that there are some future actions on Page 17. But that wasn't the
- purpose of the report. 4
- Α. I can't speak to the purpose of the report. 5
- The Governor asked for an investigation, and 6
- 7 the Safety Division did an investigation.
- 8 Q. Okay. Well, before we leave Page 15, just at
- the very bottom you'll notice that on Roman 9
- VI and Roman VIII, Staff starts off by saying 10
- 11 "Staff agrees" or the "Safety Division
- agrees." It doesn't do that with every item, 12
- but in those two it did. 13
- I agree that's what it says. 14 Α.
- 15 Okay. And on Page 16 there's a list of Q.
- 16 options that Liberty considered and
- discarded --17
- 18 Correct. Α.
- 19 Q. -- as being either too costly or too complex
- 20 to implement; correct?
- 21 Α. Correct.
- 22 Okay. And towards the very bottom, No. 6 was 0.
- 23 install a propane/air mix holder to feed the
- 3.5 psig system if blowers shut down, and 24

```
83
         this was too costly and discarded and would
1
2
         use CNG system as an alternative.
         what Liberty proposed.
3
         That's what it says.
4
    Α.
         Okay. And you also -- in addition to
5
    Q.
         rejecting the propane/air mix holder, Liberty
6
7
         rejected -- excuse me, there's something
         flying in front of me, distracting.
8
              Liberty considered installing a small
9
         modular LNG system but decided that that
10
11
         was -- would be also rejected.
12
         Again, that's what it says.
         And if we go to Page 18, it says Liberty
13
    Q.
14
         identified six other actions that they plan
15
         to consider going forward with.
16
         necessarily they were going to do, but they
17
         were considering doing; correct?
18
         Correct.
    Α.
19
    Q.
         Okay. And as you have referenced earlier,
20
         No. 6 -- my screen is jumping around.
21
         me.
22
              No. 6 said, "Install a CNG feed for all
23
         or a portion of the high-pressure system,
         including the Monadnock Marketplace, allowing
24
```

```
84
         for deactivation of the blower system.
1
                                                   The
2
         low-pressure system fuel mixture can be
         adequately supplied via
3
         atmospherically-supplied air." Did I read
4
5
         that correctly?
6
    Α.
         Yes.
7
         Then in the column with the Safety Division
    0.
8
         comments, the Safety Division doesn't say it
9
         agrees; right?
         I'm not going to characterize what the Safety
10
    Α.
11
         Division said or didn't. The words speak for
12
         themselves.
         Well, do you see the word --
13
    Q.
14
         I don't see the words "Safety Division
    Α.
15
         agrees." How the Safety Division writes
16
         their reports, and if they use the same
17
         terminology all the time, I can't speak to.
         Okay. Well, let's look at No. 3 before we go
18
    Q.
         further with No. 6.
19
20
              Right above, 3 and 11, says the Safety
21
         Division agrees an assessment of this option
22
         and an estimation of the operational savings
23
         make sense, right, in the same table?
24
         right --
```

- 1 A. That's correct.
- Q. And No. 1 in the table, it says the Safety
- Division agrees for No. 1 regarding time
- 4 delay.
- 5 A. Well --
- 6 Q. Correct?
- 7 A. Well, again, the words say what they say. I
- 8 agree that's what it says.
- 9 Q. Okay. And then what the Safety Division
- 10 wrote for No. 6 was, "There are tariff
- 11 implications of this option, including gas
- 12 quality and providing two different levels of
- 13 service to customers. This may allow
- 14 consistent operation of the low-pressure
- 15 system in atmospheric mode. Liberty would
- need to model this prior to the conversion of
- 17 the high-pressure system. Liberty expects to
- 18 file a petition on this in second quarter."
- 19 Did I read that correctly?
- 20 A. Yes.
- 21 Q. Did Liberty model this CNG conversion prior
- 22 to conversion of the high-pressure system?
- 23 A. I can't speak to what may have happened in
- operations and engineering.

Q. Are you aware of whether they did or not?

1

6

no.

- A. I believe they did. That was our plan at the time. But where I'm not in the day-to-day operations of engineering and operations, I can't speak to everything they did or didn't
- Q. Earlier you said you were aware -- unaware of anything that would support the conversion, but now you think you're aware of engineering and operational reports?
- 11 A. No. You were asking me before about economic

 12 analysis, and this is about a specific

 13 modeling. Two different questions.
- Q. Did Liberty file a petition on the conversion in the second quarter of 2016?
- No, the -- I can't speak exactly why that did 16 Α. 17 or didn't happen or what changed the plans associated with that. But sometimes you have 18 19 timeframes associated with things and other 20 events end up taking -- end up changing those 21 I can't speak to, you know, why this 22 says second quarter and what happened after 23 I don't know the particulars, so I can't speak directly to it. 24

Okay. Why don't we move ahead, then, to 1 Q. Page 103. And if you're like me, the writing 2 is really tiny. You may have to click on a 3 button or two to make it a little bigger, 4 'cause this is on my laptop. 5

(Pause in proceedings)

6

7

8

9

10

11

12

13

15

16

17

18

19

20

21

22

23

- If we go briefly to Appendix 2, which first starts on Page 100, you can see in the upper left-hand corner of the page, Appendix 2 says "Liberty's filed report on March 25th, 2016." So this is something Liberty filed, not something that Staff created.
- I believe this was something we did in 14 Α. response to questions from Staff, and this was part of our response.
 - Q. Okay. And on Page 103, look at the columns across the top. The Alternatives are numbered. There's a description of the alternative. There are Notes and Details columns, a Scope/Procedure [sic] column, a Risk column; an assessment as to whether the cost would be low, medium or high, high being in excess of \$500,000; long-term, short term,

```
and long-term is described as more than six
months. There's an assessment of complexity.

There's a recommendation. There's

Implementation Probability and there's an
Update column.
```

So let's look at No. 14. No. 14 says, "CNG feed to HP," high pressure system, "all or portion of Monadnock Marketplace"; agreed?

A. Yes.

Α.

Q. Okay. And the Scope/Resources were described as "Significant." "May also be able to lease the CNG station." And the Risk was described as, "File as temporary solution; how much space would it take up on production avenue." It's assigned a medium cost, meaning Liberty thought it was going to be under \$500,000. It's described as "long term," more than six months. Complexity is medium. And then under Recommendation it says, "Pursue as option. Bill Clark to pursue economics." And I think we've established, but can you confirm for me, you're unaware as to whether Mr. Clark did that or not; correct?

Well, if this was the recommendation, knowing

- 1 Mr. Clark, I'm sure he did it. I just said
- before that I'm unaware, as I sit here right
- now, of what specific analysis he may or may
- 4 not have done.
- 5 Q. Okay. Then the entire first Liberty panel
- and you, previously to this moment, testified
- you had no knowledge of it. But you're
- 8 looking at this page and you now believe it
- 9 exists?
- 10 A. If we were asked for it, we could probably
- search for it and see what does exist.
- 12 Q. Well, the implementation probability, even
- 13 before that economic analysis was done, is
- 14 described as "medium high"; correct?
- 15 A. I'm looking for it.
- 16 Q. Oh, it's the column right next to the column
- 17 that says, "Pursue as option. Bill Clark to
- 18 pursue economics."
- 19 A. That's what it says.
- 20 Q. Okay. And then the update is to proceed with
- 21 the interim option.
- 22 A. Yes.
- 23 Q. Now, right below that, 15 and 16, are two
- items described as "discarded" by Liberty,

- the air propane holder and the LNG plant. Do
 you see that?
- 3 A. I do.
- Q. And they were described as "high cost" and "long-term" and "high complexity," both of them; correct?
- 7 A. Yes.
- 8 Q. And leaving aside for now the recommendation 9 for the air propane holder and long-term 10 option was the LNG plant, but both are 11 labeled "discard" and "discard."
- 12 A. Correct.
- Okay. So I am not taking the position that 13 Q. 14 Liberty should have been able to project the 15 future. But I do want to ask you, given what 16 we know about the cost of the CNG conversion 17 now, and given what we know about the 18 complexity, had you known that it was high 19 cost and had you known that it was complex at 20 the time, it seems that Liberty would have 21 rejected that option --
- 22 A. Well, going --
- 23 Q. -- consistent with 15 and 16.
- 24 A. Well, going back to what the plan was

initially, the plan was to put a CNG skid behind the Price Chopper at the Marketplace. That would not involve the extra distribution main we had to do from our current temporary facility. So the plan was a bit different than what we're currently dealing with today. So whatever analysis went into the preparation of this response would have been based on the plan at that particular time and what was considered to be the most efficient way to do it at that time.

As we now know, things -- we didn't end up putting a CNG skid behind the Price Chopper, and ended up going a different route. So, I mean, this thing says what it says. And it was, you know, based on whatever date in early 2016 we prepared it, and that was based on the circumstances at that time.

Q. Okay. So to return to our earlier conversation about it being very important what Liberty knew or should have known, this sort of illustrates that; right? Because the plan that was described in this table was

- based on a very different idea of how CNG
 distribution in Keene would occur; correct?
- 3 A. Could you repeat that?
- You and I discussed earlier that it 4 0. 5 was important to know what a company should have known or could have known when assessing 6 7 prudence because it goes to how plans 8 unfolded. And right here, in March of 2016, as you have summarized, Liberty had a very 9 different idea of how CNG would be served in 10 11 Keene; correct?
- 12 A. Correct. And that's why we also went to a
 13 different contract.
- Q. Well, let's talk about that in a minute. But
 I would like to talk about PUC 506.01 first.

MS. SCHWARZER: And for everyone following along, I'm finished with this exhibit, so it can be closed up. So anybody who wants to open PUC 506.01 is welcome to on the Commission web site.

21 BY MS. SCHWARZER:

16

17

18

19

20

Q. I'm going to read the first sentence to you,

Mr. Mullen. The very first sentence in

506.01(a) is the relevant one here. "All

- 93 utilities, including those with propane 1 storage facilities, shall comply with those 2 pipeline safety regulations established by 3 the United States Department of 4 5 Transportation, which are set forth in 49 CFR Parts 191, 192, 193, 198 and 199, including 6 7 future amendments thereto." That's what PUC 8 506.01 says. I haven't pulled it up, but I'll take that 9 Α. subject to check. 10 Okay. Subject to check. And as you heard 11 0. Mr. Knepper testify, it was in effect for 12 decades. But this actual, specific 13 14 regulation has been in place since May of 15 2013. And I'd ask if you'd accept that 16 subject to check. Α. Sure.
- 17
- And the section of 49 CFR Part 192 lists 18 19 standards applicable to CNG; correct?
- 20 Okay. Now I have to pull it up. Α.
- 21 Well, it's the entire CFR. I don't have the Q. 22 CFR in front of me. I think --
- 23 Nor do I, so it's hard for me to agree to something that neither you nor I have in 24

- 1 front of us.
- Q. Well, let me ask you. Are you aware that the
- 3 ASME B31.3 standard that Liberty -- I'm
- 4 sorry. I see Mrs. Robidas shaking her head.
- 5 (Court Reporter inquiry.)
- 6 Q. Are you aware that the ASME B31.3 standard --
- 7 which you, Mr. Mullen, explained in prefiled
- 8 testimony at Bates 035 was the standard
- 9 Liberty followed for the CNG supply contract
- 10 and initial conversion plan -- are you aware
- that that standard is not included in 49 CFR
- 12 Part 192?
- 13 A. They seem like different standards, so I'll
- take that.
- 15 Q. Well, it's not just they're different
- 16 standards. It's not in the possible
- 17 standards that one might follow.
- 18 A. Sure. I'll agree to that.
- 19 O. So let's now turn to the CNG contracts
- 20 themselves. Liberty executed a contract for
- 21 CNG service on October 24, 2016 covering the
- period December 1, 2016 through May 31, 2017.
- 23 Are you aware of that contract?
- 24 A. Yes.

			95
1	Q.	And you made a correction to your testimony	
2		earlier, at the beginning, to say that the	
3		Company did not take service under that, in a	
4		footnote in your prefiled testimony; correct?	
5	A.	That's correct.	
6	Q.	And that was a contract that only included	
7		supply and no demand charge; is that correct?	
8	A.	I believe that is correct.	
9	Q.	Who determined that Liberty would need CNG	
LO		service during the identified contract	
L1		period?	
L2	A.	Who identified? I mean, the people involved	
L3		in negotiating the contract.	
L 4	Q.	Do you know who that was?	
L5	A.	Well, there would be somebody that signed it.	
L6		I would imagine others may have been involved	
L7		in negotiating it. I was not, so I can't	
L8		speak directly to it.	
L9	Q.	Are you aware at all how Liberty determined	
20		that CNG would be needed?	
21	A.	I think we've already gone down this road.	
22		MS. SCHWARZER: Okay. I guess I	
23		would ask the Chairwoman if she would	
24		entertain a record request for any	

		70
1	information Liberty might provide about	
2	analysis supporting the CNG October contract.	
3	CHAIRWOMAN MARTIN: Is that clear	
4	to you, Mr. Sheehan, what's being requested?	
5	MR. SHEEHAN: Yes, and I object.	
6	This issue has been in front of this docket	
7	for months now, and there's no reason that	
8	question couldn't have been asked in	
9	discovery. And second, given the	
10	Commission's order approving this contract,	
11	and we think it's pretty clear, it's also	
12	irrelevant because the Commission effectively	
13	decided this issue when it approved the	
14	contract in the cost of gas order. That	
15	being said, I do understand it, if the	
16	Commission directs us to so provide it.	
17	CHAIRWOMAN MARTIN: Go ahead, Ms.	
18	Schwarzer.	
19	MS. SCHWARZER: Thank you. I	
20	believe Staff and both the OCA have taken the	
21	very strong position that the Commission has	
22	not approved this contract in any order, or	
23	up to the present time. And Liberty was	
24	responsible for providing witnesses that are	

		91
1	knowledgeable about the matters at issue,	
2	particularly when it asserts that the	
3	contracts are prudent. The entire period	
4	that's relevant has to do with who negotiated	
5	a contract and why and when, and whether or	
6	not there is any analysis that suggests that	
7	CNG is appropriate for Keene.	
8	CHAIRWOMAN MARTIN: Ms. Schwarzer,	
9	can you specifically articulate the record	
10	request that you would be asking for?	
11	MS. SCHWARZER: Yes. I will ask	
12	that Liberty produce any analysis that's	
13	contemporaneous to the dates the	
14	October 2016 I don't mean just on the	
15	dates they're signed. So let me start again.	
16	I would ask that Liberty produce	
17	any analysis that supports CNG as appropriate	
18	for economic for the Keene distribution	
19	system from the period of May 2016 through	
20	May 2017, either economic analysis, memos	
21	about costs, about return, any information	
22	CHAIRWOMAN MARTIN: Mr. Sheehan	
23	I'm sorry. Ms. Schwarzer, are you done	
24	describing?	

		98
1	MS. SCHWARZER: I'm done. Thank	
2	you.	
3	CHAIRWOMAN MARTIN: Mr. Sheehan, I	
4	was going to ask not that identical make	
5	not that identical request, but fairly close,	
6	regarding any economic or financial analysis	
7	done by any employee or consultant related to	
8	this. So I think that is a request we would	
9	like to make. I don't know if Commissioner	
10	Bailey has anything further on that she'd	
11	want to add.	
12	COMMISSIONER BAILEY: No, I think	
13	what Ms. Schwarzer and you articulated is	
14	okay. I mean, you know, we're looking for	
15	anything that shows you did some kind of	
16	analysis that this was going to be	
17	cost-effective.	
18	MR. MULLEN: May I ask a clarifying	
19	question with respect to this record request?	
20	CHAIRWOMAN MARTIN: You can. Go	
21	ahead. If it will help clarify what we're	
22	asking for, yes.	
23	MR. MULLEN: I believe I heard Ms.	
24	Schwarzer's question to be about the Keene	

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

system, which I took to be in general. These contracts relate specifically to the limited area that we've converted. So I just want to be clear as to what it is that we're providing, whether it's the Keene system overall or just for that portion of the system that's converted.

CHAIRWOMAN MARTIN: Ms. Schwarzer.

MS. SCHWARZER: Thank you. Мy concern is it does not become a limiting clause that excludes relevant information. Certainly it's been Staff's understanding from the beginning that the entire conversion was intended. So if there's no specific mention of the tiny portion of 15 to 20 customers, I would still be interested in seeing any economic analysis or financial analysis, anything that was done basically from six months before the first contract was signed through the date the last amendment was signed, that would provide any insight into why Liberty felt it was appropriate or reasonable to go forward.

Mr. Sheehan.

CHAIRWOMAN MARTIN:

1	MR. SHEEHAN: If I may respond. We
2	have not done a financial analysis for the
3	expansion conversion of the entire system.
4	Period. The reason for that fundamentally is
5	that we have not selected the starting point
6	for the system. We've been doing that for
7	two years. It's been an incredibly
8	difficult, time-consuming process. Once we
9	pick that site for the full LNG/CNG facility
10	and then prepare the cost of what it would
11	take and then do the projections of the
12	customer growth we'd expect, that's when we
13	can do the financial analysis. So that,
14	frankly, does not exist. So I can answer
15	that one easy.
16	What you've asked for that seems to
17	me more relevant, although I expressed my
18	objection, is why did we do the CNG that
19	stands today to serve the Marketplace. And
20	that we're happy to respond to the record
21	request.
22	CHAIRWOMAN MARTIN: Ms. Schwarzer.
23	You're on mute.
24	MS. SCHWARZER: This is a bit

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

challenging, in that, just as an offer of proof, I believe there are other documents that would suggest, and Bill -- excuse me --Mr. Simek agreed that at one point the conversion contemplated a larger customer So I understand that's not the focus of this hearing. And irrespective of the reason, it's Staff's position that entering into a CNG supply contract and paying demand charges 26 months before CNG was served is imprudent and should be disallowed. brings me some concern when the record request is being parsed so narrowly, because surely -- excuse me -- because I believe having asked Liberty why -- given that Liberty is asserting that its demand, supply and demand contract is prudent, it seems appropriate to ask it to show why it feels that, broadly.

CHAIRWOMAN MARTIN: Mr. Sheehan,

I'm going to overrule your objection. It

sounds like you're representing there is no

broader analysis. But I -- and I'll accept

that representation. But I don't want to, as

1	Ms. Schwarzer said, "parse" this record
2	request too finely, because to the extent
3	there is some analysis out there that could
4	inform this, I think the Commission would
5	like to see it. And we did see in the chart
6	that Bill Clark would do economic analysis
7	related to this. So I think we would like
8	for you to go back and see if anything along
9	those lines exists and produce it in response
10	to the request.
11	MR. SHEEHAN: Absolutely.
12	CHAIRWOMAN MARTIN: Thank you.
13	MS. SCHWARZER: Just a question.
14	I'm sorry, Madam Chairwoman. I don't know
15	quite what the timing would be for the record
16	request. I know we're trying to get an order
17	out by December 1st.
18	CHAIRWOMAN MARTIN: Mr. Sheehan,
19	any idea how much time we need? I know we

MR. SHEEHAN: I also don't know. But I do believe Mr. Clark is the point

have the holiday. Is it possible to get that

review done by next Wednesday? I think it's

20

21

22

23

24

the 25th.

	103
1	person, and we will make every effort to dig
2	up what he has and get it to you ASAP. And
3	if we do have any issues, we'll let you know
4	as soon as we appreciate there's a timing
5	issue.
6	CHAIRWOMAN MARTIN: Okay. We'll
7	expect it by the 24th. And if for some
8	reason you can't meet that deadline, if you
9	can file something letting us know why.
10	Thank you.
11	MS. SCHWARZER: I'm sorry, Madam
12	Chairwoman. Did you say the 24th or the
13	25th?
14	CHAIRWOMAN MARTIN: Sorry. You are
15	right. I said the 24th just now, but I meant
16	the 25th, which is Wednesday, and I've now
17	confirmed that with the calendar.
18	MS. SCHWARZER: So by Wednesday,
19	close of business?
20	CHAIRWOMAN MARTIN: Yes.
21	MS. SCHWARZER: Thank you.
22	(Record request made.)
23	BY MS. SCHWARZER:
24	Q. Mr. Mullen, with regard to the October

- contract, are you aware of what approvals or 1 2 who needed to approve the contract? of the president, corporate, legal, 3 engineering, that sort of thing, who 4 generally approves a contract? 5 6 CHAIRWOMAN MARTIN: Mr. Mullen, 7 you're on mute. 8 MR. MULLEN: Thank you. Trying to make sure I didn't have extra sound going on 9 there. 10 For that particular contract at that 11 Α. 12
- particular time, I don't know what the signing authorities were for various people 13 14 at that point in time. I think that whoever 15 signed off on the contract would have been 16 authorized to do so and would have received 17 the appropriate internal approvals. can't speak directly to that, as to who was 18 in what roles at which time and what their 19 20 particular spending authority was.
 - Q. Well, then, generally, given your experience, can you tell me what steps are taken to approve a contract of that volume at Liberty?
 - A. I'm not involved with supply contract

22

23

- signing, so I can't tell you specifically.
- Q. Would that be Ms. Gilbertson who's involved
- 3 with supply contracts at this time?
- 4 A. Yes, she is.
- 5 Q. And was she part of the team in 2016?
- 6 A. She was part of the team, but I think her
- 7 role was different, and she -- I don't know
- 8 that she was directly involved with this
- 9 particular contract.
- 10 Q. Okay. And she has testified already about
- 11 this contract.
- Do you know if any consideration was
- given to a regulatory out or stepping
- quantities over the term of the contract?
- 15 A. All I know is the contract that was put in
- 16 place I know went out to RFP, and that's all
- 17 I know.
- 18 Q. Okay. And you've already corrected your
- 19 testimony to say that Liberty did not take
- any deliveries under this contract; correct?
- 21 A. Correct. We've stated that.
- 22 Q. Why did Liberty enter into the November 2016
- 23 contract 11 days later?
- 24 A. To get supply service.

- 1 Q. Well, you already had an October contract for
- 2 supply; correct?
- 3 A. That was terminated.
- 4 Q. Well, let's go back.
- 5 The October contract ran through May of
- 6 2017; correct?
- 7 A. Let me... it did.
- 8 Q. So it wasn't terminated in November of 2016,
- 9 was it?
- 10 A. I don't know exactly when that one was
- 11 terminated. And again, that related to our
- 12 plan to include to put a CNG skid behind the
- Price Chopper, and that plan didn't go
- 14 forward.
- 15 Q. I'm sorry. The October contract or the
- 16 November contract? Which one?
- 17 A. The October contract was related to that.
- 18 Q. Okay. The October contract was the skid
- behind the Price Chopper.
- 20 A. Correct.
- 21 Q. Okay. So did the November 2016 contract
- 22 contemplate a different arrangement for
- 23 delivery of CNG?
- 24 A. I believe it did.

- 1 Q. And what -- how was it different?
- A. Well, I believe it related to our plans to install the temporary CNG facility at its present location. And that later got amended in May of 2017 when the timetable was
- 6 changing a little bit.
- 7 Q. Okay. Well, let's just stick with the
 8 November contract for right now. Is there
 9 anything else that you're aware of that you
 10 can tell me about why Liberty entered into a
 11 contract, a second contract 11 days later?
- A. Because the first one wasn't going forward and we were doing a different plan.
- 14 Q. Right. Did quantities change?
- 15 A. Well, that's a different question. They did.
- 16 The term changed. You know, the first one
- 17 was for six months. My understanding was
- 18 that initial contract was only for customers
- 19 at the Marketplace. The second contract
- 20 would have included maybe five or six
- 21 potential customers, in that general
- vicinity, one of which would have been a
- large, a fairly large user. But due to
- 24 circumstances of timing, they ended up going

- with bottled propane, so they didn't end up
 taking service under that contract. But that
 contract would only have, you know, done
 maybe a half-dozen or so potential customers
 in that general vicinity, and that's the
 extent of it.
- Q. Okay. And was the volume for the very large customer that went with bottled propane -- do you remember how large that was? Was that...
- 10 A. I don't remember, offhand. But I do know of
 11 the, you know, five, six potential customers,
 12 it was by far the largest of those.
- Q. And the record request includes this contract
 as well -- this contract; right? I just want
 to make sure we covered that.
- A. The record request includes, you mean, what economic analysis went into that contract?
- 18 Q. Correct.
- 19 A. I believe it does.
- 20 Q. Did the mobilization --
- 21 A. I just want to make clear, does the record
 22 request cover the time before each and every
 23 contract or only the initial one?
- Q. Well, as I recall it, it included May of 2016

through the date the amendment was executed, 1 2 and would include requests for support and analysis for any or all of the CNG supply 3 contracts as they evolved. Any disagreement? 4 5 MR. SHEEHAN: I can state that my understanding of the request is just that, 6 and perhaps even broader, that the Commission 7 8 is looking for economic analysis that would have supported decisions made in Keene, both 9 as to the Marketplace which would pick up 10 11 these contracts and maybe other stuff, and as to the eventual conversion of the whole 12 system. We will give you soup to nuts. 13 14 MS. SCHWARZER: But the request is 15 limited to 2016 and 2017, because I would object to anything after the execution date 16 17 of May 22, 2017. That is not relevant to this docket. 18 19 MR. SHEEHAN: Agreed. BY MS. SCHWARZER: 20 21 Mr. Mullen, do you have any more information 22 about what stages of permission or execution were involved in the November 2016 contract? 23

I realize you said you didn't for October.

1 I'm not trying to --

- 2 A. What stages -- excuse me. What stages of what?
- Q. Of approval. What Company approvals were needed for the November 2016 contract?
- 6 A. My answer would be the same.
- Q. And would your answer be the same as to whether any consideration was given to a regulatory out clause or stepping quantities over the term of the contract?
- 11 A. Again, an RFP was put out and bids were

 12 received, and those were not necessarily -
 13 bid proposals were received, and those were

 14 all analyzed. And, you know, whatever terms

 15 they included, I'm sure different parties may

 16 have requested different things. So, I mean,

 17 the contract is what it is.
- Q. But certainly there's a contract negotiation period for every RFP process; correct?
- 20 A. Sure.
- Q. And the Company can introduce terms that it may not have requested previously and see whether the bidder is willing to meet those terms; correct?

1 A. Correct.

- Q. So Liberty could have asked for a regulatoryout clause.
- A. Potentially. We could have asked for lots of other things, too.
 - Q. Okay. And you could have asked that instead of dividing supply and demand, you might have proposed that all the preparation costs, including demand and supply, were rolled into one rate that would be paid when CNG flowed; correct?
 - A. Well, yeah. And that's a lot of speculation and hypotheticals. I mean, we're dealing with a contract that did get signed, and those are the costs that are at issue.
 - Q. But we're also actually, more importantly, dealing with the process that led up to its execution. That's where you have to decide if the Company acted prudently, if it acted on what it knew or should have known. And that's why I want to focus on the period before the signing.

So my question remains: You could have negotiated to include all those costs and not

- divide supply and demand; correct?
- 2 A. You could. But at some point you start
- 3 getting into "Monday morning quarterbacking."
- Q. But not right now, not before the contract's been executed.
- 6 A. I'm just saying, now, if you're looking back.
- 7 Q. Well, I'm not looking back from what I know
- 8 right now. I'm asking you, in November of
- 9 2016, that was possible; correct?
- 10 A. Lots of things are possible.
- 11 Q. Any idea why that wasn't done, offhand?
- 12 A. I was not involved in the negotiations.
- 13 Q. Do you know when, under the terms of the
- 14 November 2016 contract, Liberty began paying
- demand charges?
- 16 A. I believe they were first -- I think they
- 17 first hit our books in August of 2017.
- 18 Q. And was that because the skid had been
- 19 delivered?
- 20 A. The skid was delivered in July of 2017.
- 21 Q. So Liberty paid mobilization charges in July
- 22 of 2017; correct?
- 23 A. I'd have to check and see exactly when those
- 24 mobilization charges were paid. We did pay

- the mobilization fee. I just don't know when.
- Q. Okay. Well, it would have been charged the mobilization fee for whatever happened in July 2017; right?
- A. Would have been charged in accordance with
 the terms of the contract. I don't know when
 that was.
- 9 Q. Okay. The skid was delivered in August of 2017?
- 11 A. July.
- 12 Q. I'm sorry, July. You began paying demand 13 charges in August of 2017.
- 14 A. Correct.
- Q. Why did Liberty want the skid delivered in July of 2017?
- A. Because, as stated in the Company's cost of
 gas filings at the time, we fully expected to
 start serving customers in 2017. So the skid
 had to be delivered on site, put in place,
 tested and all of that. So that's why it was
 delivered when it was delivered.
- Q. I'm sorry. Is it your position that Liberty included CNG in its Summer 2016 Cost of Gas

1 filing?

- A. No. I said 2017.
- 3 Q. Well, right now we're back in 2016. Oh, no.
- So we're in 2017. Okay. So the summer of
- 5 2017. Or maybe it's the winter of 2017-2018?
- 6 A. I'd have to go back and review. But I
- 7 believe in the summer of 2017 it may have
- been discussed during that case. I don't
- 9 think any costs were included. I know the
- 10 Winter 2017-2018 filing did include CNG
- 11 costs.
- 12 Q. Okay. So when did Liberty expect to serve
- 13 CNG in the 2017-2018 time period?
- 14 A. It was in the latter part of 2017. I don't
- 15 know exactly what month we were expecting,
- but I know it was latter part of the year.
- 17 Q. You expected to start serving in the winter?
- 18 A. Yes.
- 19 Q. And you thought all the conversion work that
- you've described earlier, including changing
- 21 piping and -- well, let me step back.
- It's my understanding that air propane
- and CNG are wet and dry gases and they can't
- run through the same pipes. Is that correct?

- A. That's outside my area of expertise, but generally I think that's correct.
- Q. Okay. So Liberty literally had to replace pipes in order to convert to CNG.
- 5 A. I don't believe we had to -- I would have to
 6 see what, you know, in terms of the -- we had
 7 to replace services, I think, at the
 8 Marketplace. But again, I'm speculating. We
 9 had to --
- 10 Q. Well, let me --
- 11 CHAIRWOMAN MARTIN: Mr. Mullen,
- were you done answering the question?
- 13 MR. MULLEN: I'm trying to remember
- 14 exactly what the question was now.
- 15 BY MS. SCHWARZER:
- 16 Q. Well, honestly, I don't remember the
- 17 question. So... I think the question is why,
- 18 why Liberty decided to have the skid
- delivered in July and start paying demand
- charges in August. And your answer was that
- 21 you wanted to serve gas in November or
- December of 2017.
- 23 A. I orally said "the latter part." You asked
- me about the winter. I believe that's

1 correct.

- Q. Okay. So why would you pay demand charges
 for August, September, October, at least
 three months before service?
- You have to do things in accordance with the Α. 5 terms of the contract. I'd have to go back 6 7 to see what representations were made in the 8 2017 cost of gas filings, as to exactly when 9 we intended to provide service. I mean, the testimony in those cases would speak for 10 11 themselves more so than me trying to recollect now, three years later. 12
- 13 Q. Okay. Well, let's talk about the March -
 14 the May amendment then. And again, just to

 15 reiterate, the May amendment falls within the

 16 record request; correct?
- 17 A. We've established that. Yes.
- Q. Okay. And the May amendment ran from May 1, 2017 through April 30, 2020.
- 20 A. Excuse me. Give me -- this was the May
 21 amendment you said?
- Q. The May 22nd, 2017 contract amendment ran
 from May 1, 2017 through April 30 of 2020; is
 that correct?

- 1 A. That is not correct.
- 2 Q. Okay.
- 3 A. That is the contract that was signed in
- November of 2016. The May amendment was a
- 5 contract term that went from July 1st of 2017
- 6 through June 30th of 2021.
- 7 Q. July 1 of 2017 through June 30th, 2021?
- 8 Okay. Why was that amendment entered into?
- 9 A. Partly because the timing had slipped with
- respect to, you know, when we initially
- 11 expected to begin flowing gas. And, you
- 12 know, that's primarily why.
- 13 Q. Did the terms of the contract -- other terms
- of the contract change?
- 15 A. I believe other than the duration being from
- three to four years, I think the mobilization
- fee changed from [REDACTED].
- 18 Q. Do you know why?
- 19 A. Contract negotiation. That would be the
- 20 result of contract negotiations.
- 21 Q. But the distance -- the companies remain in
- the same places. XNG and Liberty were still
- 23 based in the same locations?
- 24 A. You've lost me with that.

- Q. I'm sorry. "Mobilization fee" refers to when the skid goes from XNG to Liberty; correct?
- 3 A. I don't know exactly what was covered by the
- 4 mobilization fee.
- 5 Q. Okay. So do you know why it was [REDACTED]
- 6 more?
- 7 A. I do not.
- 8 Q. Did the volume increase?
- 9 A. I don't believe it did.
- 10 Q. Do you have any more information about who
- negotiated the amendment than you had with
- the prior contract?
- 13 A. No.
- 14 Q. Any more information about what steps needed
- to get approval?
- 16 A. Approval of the contract?
- 17 Q. Correct.
- 18 A. Same as what I've answered before.
- 19 Q. And any ideas as to whether contract
- 20 negotiations included a regulatory out clause
- or stepping or rolling all the prices into
- 22 costs once CNG began to flow?
- 23 A. As I was not involved in the negotiations, I
- cannot speak to what was discussed or not

- discussed during those negotiations.
- 2 Q. I'm going to ask you to turn your attention
- 3 to Exhibit 10, which is Mr. Knepper's
- 4 testimony. And at Bates Page 101 you'll see
- 5 a redacted version --
- 6 A. You'll have to let me get there.
- 7 Q. Sure. I'm getting there myself.
- 8 A. Bates Page 101 you said?
- 9 Q. Yes.
- 10 A. I'm there.
- 11 Q. Okay. And based on your prior answer to my
- 12 question, this may be the November 2016
- 13 contract because the contract term is May 1,
- 14 2017 to April 30, 2020. Do you see the
- 15 contract term --
- 16 A. Yes. And just looking at this redacted
- 17 version, when we just had a discussion about
- the amount of the mobilization fee, that may
- 19 have been confidential information. I'll
- have to defer to counsel on that.
- 21 Q. It was confidential, but we were in a
- 22 confidential session. The reason I'm
- comfortable now is because this is a redacted
- 24 contract. There's no confidential

120 1 information in what's been attached to Mr. 2 Knepper's prefiled testimony. Are you comfortable with that, Mr. Mullen? 3 CHAIRWOMAN MARTIN: Mr. Sheehan, do 4 5 you have any -- do you want to weigh in on that? 6 7 MR. SHEEHAN: I think --8 CHAIRWOMAN MARTIN: Are you comfortable with the record as it is? 9 MR. SHEEHAN: Yeah, I think what 10 11 Steve was mentioning is we may have said the dollar amount in the last half-hour. 12 that's the case, we'll just go through the 13 transcript and make sure it's redacted. 14 15 MS. SCHWARZER: Oh, I'm sorry. I 16 got you. Okay. Yup, we will. 17 CHAIRWOMAN MARTIN: All right. Thank you, Mr. Sheehan. 18 BY MS. SCHWARZER: 19 20 If you'd turn to Exhibit B. And I'll just Q. 21 represent the seller here is XNG and the 22 buyer is Liberty. 23 So this is Bates 105?

Yes, Bates 105.

24

Q.

1 A. Okay.

Q. Okay. For 1C, it says the seller shall
review and approve the site design prior to
construction, pursuant to NFPA 52. And I
would represent to you that that standard is
also not among permissible standards in PUC
506.01.

And under 1D, it says the seller shall be responsible for all permits for installation and operation of the XNG equipment. That is also inconsistent with PUC 506.01.

Was Liberty aware of that when it entered into this contract?

- A. I wasn't involved in the execution of the contract, so I can't speak to what people were aware of or not aware of at the time they entered into the contract.
- Q. Okay. Under 2C, it says during the delivery period the seller -- meaning the third party, XNG, over which the Commission has no regulatory control -- shall be responsible for all maintenance and support for the CNG equipment.

Was Liberty aware when it entered into
the contract that that's inconsistent with
PUC 506.01?

4

5

6

7

8

9

- A. Well, again, same answer. And I'm not sure how much of this hinges on who owns the equipment and who does not. So, again, this is something that I can't speak to what people were aware of when they entered into the contract.
- Q. Well, would you agree that in order to comply
 with PUC requirements, changes were
 necessary?
- I agree that after some communications back 13 14 and forth with the Safety Division, we had to 15 make some -- we had to make some alterations 16 to the CNG installation. So I do agree with 17 The Company initially did not 18 necessarily agree with that determination; 19 however, we did go along with it, and we 20 complied.
- Q. But those discussions occurred further down the line in 2018; correct?
- 23 A. I believe that they started in 2017. I
 24 believe that beginning in August or so was

- when we started making conversions to the
 equipment. And I believe that we made the
 necessary alterations by October or
 November -- I believe October of 2017.
- Q. Would the contracts that Liberty executed in

 November of 2016 and May of 2017 have been

 different had Liberty been aware of the

 requirements of PUC 506.01?
- 9 A. That involves speculation. And where I
 10 didn't negotiate the contracts, I can't tell
 11 you what would or wouldn't have been
 12 different.
- Q. Well, would you agree that your average
 utility's goal is to comply with PUC
 Administrative Rules?
- 16 A. Absolutely.
- Q. Okay. Under Item 2, Roman V, the November contract says the system shall provide emergency shutdown, the control system to be provided by XNG. Says, "Control system required to monitor key process conditions, switch trucks when empty, provide emergency shutdown."

- that Liberty and Safety discussed and that
- 2 ultimately Safety insisted that Liberty have
- 3 the ability to do the emergency shutdown and
- 4 to monitor the matters described here?
- 5 A. I believe that took place. I don't remember
- the exact timeline. But I do believe that we
- 7 made all the physical changes by
- 8 October 2017.
- 9 Q. Sometime after the contracts had been
- 10 executed.
- 11 A. Correct.
- 12 Q. And the demand charges continued to accrue
- 13 throughout that period?
- 14 A. Yes.
- 15 Q. You had mentioned earlier that you weren't
- sure if the marketer basis charge was part of
- the Summer of 2018 Cost of Gas. Do you
- 18 remember that discussion?
- 19 A. Correct. I did not participate in that
- 20 proceeding directly. I didn't put the
- 21 numbers together. And I referred back to Ms.
- 22 Gilbertson's testimony on that topic.
- 23 Q. If Ms. Gilbertson's testimony had been that
- Liberty was fully unaware of the marketer

			125
1		basis charge until such time as CNG was	
2		actually provided and a bill received, which	
3		did not occur until October 4th, 2019, would	
4		you agree that the marketer basis charge was	
5		not part of the 2018 contract?	
6	A.	The 2018 contract?	
7	Q.	The 2018 cost of gas proceeding.	
8	A.	Like I say, I can't speak directly to that.	
9		Ms. Gilbertson talked about the circumstances	
10		related to that. It was in dispute, and we	
11		later resolved that. Exactly how that got	
12		wrapped into cost of gas filings, I can't	
13		speak directly to.	
14	Q.	Would you agree that the marketer basis	
15		charge is only applicable when CNG is served;	
16		it only comes into play when there's actual	
17		delivery of CNG?	
18	A.	That sounds correct.	
19	Q.	Okay. General questions about the CNG	
20		contract. Liberty-Keene is not included	
21		CHAIRWOMAN MARTIN: Ms. Schwarzer.	
22		MS. SCHWARZER: Yes.	
23		CHAIRWOMAN MARTIN: It is 2:57.	
24		MS. SCHWARZER: Okay.	

[WITNESS: STEVEN E. MULLEN]

	126
1	CHAIRWOMAN MARTIN: I know that we
2	need to take a break at 3:00.
3	MS. SCHWARZER: Sure.
4	CHAIRWOMAN MARTIN: So why don't we
5	stop now. Off the record.
6	(Recess taken at 2:57 p.m., and
7	concludes Day 3/Session 1 of 2. The
8	hearing continues under separate cover
9	in a transcript noted as
10	Day 3/Session 2 of 2.)
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
	{DG 20-152}[REDACTED FOR PUBLIC USE] {11-18-20}

[WITNESS: STEVEN E. MULLEN]

		127
1		
2	CERTIFICATE	
3		
4	I, Susan J. Robidas, a Licensed Shorthand Court Reporter and Notary Public	
5	of the State of New Hampshire, do hereby certify that the foregoing is a true and	
6	accurate transcript of my stenographic notes of these proceedings taken at the	
7	place and on the date hereinbefore set forth, to the best of my skill and ability under the conditions present at the time.	
8	-	
9	I further certify that I am neither attorney or counsel for, nor related to or	
10	employed by any of the parties to the action; and further, that I am not a	
11	relative or employee of any attorney or counsel employed in this case, nor am I	
12	financially interested in this action.	
13	The foregoing certification of this transcript does not apply to any	
14	reproduction of the same by any means unless under the direct control and/or	
15	direction of the certifying reporter.	
16		
17		
18		
19		
20	Susan J. Robidas, LCR/RPR	
21	Licensed Shorthand Court Reporter Registered Professional Reporter N.H. LCR No. 44 (RSA 310-A:173)	
22	N.H. LCK NO. 44 (KSA SIU-A:I/S)	
23		
24		
	{DG 20-152}[REDACTED FOR PUBLIC USE] {11-18-20}	

,, ii (12it 2020/2021) ,			I	1,0,0,0,00
\$	actual (2) 93:13;125:16	82:11,12;84:9,15, 21;85:3	19;79:3,11;86:12; 89:3,13;91:7;96:2;	area (5) 13:20;15:16;22:12;
P	actually (7)	ahead (5)	97:6,12,17,20;98:6,	99:3;115:1
\$500 000 (2)	32:21;33:5,7;	6:17;30:12;87:1;	16;99:17,18;100:2,	argument (1)
\$500,000 (2)	73:22;78:14;111:16;	96:17;98:21	13;101:23;102:3,6;	26:9
87:24;88:16	125:2	air (18)	108:17;109:3,8	around (2)
\$831 (1)	add (2)	12:18,19,21,24;	analyzed (1)	23:6;83:20
7:20	75:10;98:11	13:13;14:11,23;	110:14	arrangement (1)
8840 (1)	added (1)	18:17;23:1;24:22;	anchor (1)	106:22
7:22	8:1	25:1;26:24;27:3;	22:17	arrangements (1)
г	addition (2)	29:22;84:4;90:1,9;	and/or (3)	30:8
[50:17;83:5	114:22	28:11;59:22;78:5	articulate (1)
DED A CEEDI (A)	additional (4)	alerted (1)	answered (3)	97:9
[REDACTED] (2)	12:8;16:2;19:14;	73:13	62:23;68:19;	articulated (1)
117:17;118:5	22:9	Algonquin (1)	118:18	98:13
[sic] (1)	address (7)	61:20	Apologies (1)	ASAP (1)
87:21	12:12;19:20;25:10,	allow (2)	22:6	103:2
A	17;35:18;50:21;	30:22;85:13	apologize (2)	ascertained (1)
A	51:11	allowed (1)	11:22:61:13	12:11
1.914 (4)	addressed (4)	11:9	appear (1)	aside (1)
ability (4)	50:14;51:10;52:13;	allowing (1)	81:14	90:8
52:16;72:1,10;	81:24	83:24	appearances (1)	ASME (2)
124:3	adequately (1)	alone (2)	4:3	94:3,6
able (10)	84:3	3:22;4:1	appears (1)	assembled (1)
18:17;27:18;31:13;	adjourned (1)	along (5)	36:11	10:1
35:22;51:13;59:12;	3:17	10:2;79:20;92:17;	Appendix (2)	assented (2)
66:11;70:5;88:11;	Administrative (2)	102:8;122:19	87:7,10	5:8;6:1
90:14	76:8;123:15	alterations (2)	applicable (2)	asserting (1)
above (1)	adopt (3)	122:15;123:3	93:19;125:15	101:16
84:20	6:11;8:5;10:19	alternative (5)	applications (1)	asserts (1)
absent (1)	Advocate (3)	50:23;60:23;66:10;	13:2	97:2
79:9	4:11;12:7;33:3	83:2;87:20	applied (2)	assessing (1)
Absolutely (2)	Affairs (1)	alternatives (2)	54:22;77:17	92:6
102:11;123:16	9:20	60:19;87:18	appreciate (5)	assessment (6)
accept (5)	afield (1)	although (2)	10:24;12:3;53:22;	17:15,22;53:15;
13:10;32:22,24;	20:20	33:8;100:17	80:7;103:4	84:21;87:22;88:2
93:15;101:23	again (33)	altogether (1)	appropriate (8)	assigned (2)
access (2)	4:4;8:18;17:21;	29:21	36:6,24;64:19;	67:11;88:15
3:16;33:7	21:19;22:17,20;	always (2)	97:7,17;99:22;	associated (2)
accordance (3)	24:22;25:15,20;	25:4;76:21	101:18;104:17	86:18,19
35:9;113:6;116:5	29:11,14;34:22;52:7;	amended (3)	approval (11)	atmospheric (1)
Accordingly (1)	53:19;57:4,17,23;	68:4;69:16;107:4	18:9;20:8;29:4;	85:15
18:8	59:8;60:4;62:3;	amendment (18)	35:15;50:18;52:2,5,	atmospherically-supplied (1
accrue (1)	63:19;70:19;71:1,7;	55:12;61:14,15;	9;110:4;118:15,16	84:4
124:12	83:12;85:7;97:15;	68:10;74:15;76:1,3;	approvals (5)	attached (1)
acknowledged (2)	106:11;110:11;	80:18;99:20;109:1;	18:3;22:1;104:1,	120:1
21:1;24:23	115:8;116:14;122:4,	116:14,15,18,21,22;	17;110:4	attachments (1)
acknowledges (1)	6	117:4,8;118:11	approve (4)	10:1
18:13	ago (1)	amendments (1)	7:5;104:2,23;121:3	attendance (1)
acquired (4)	23:4	93:7	approved (12)	3:20
28:10;57:14;59:19;	agree (20)	among (5)	12:9;16:17;18:2;	attendees (2)
76:20	24:11,13;58:11;	36:20;60:21;64:22;	20:22;31:15;32:13;	36:2;50:3
acquisition (1)	61:12;71:20;72:12;	72:14;121:6	34:9;35:1,3,5;96:13,	attention (2)
28:12	74:2;82:2,14;85:8;	amount (4)	22	10:7;119:2
across (3)	93:23;94:18;122:10,	13:22;33:15;		attorney (6)
14:4;33:22;87:18	13,16,18;123:13,24;	119:18;120:12	approves (1) 104:5	4:10;33:10;62:20;
act (1)	125:4,14	analysis (49)	approving (3)	63:11,14;71:17
71:22	agreed (5)	16:4;51:11,14;	26:7;31:18;96:10	attorney/client (4)
acted (4)	17:11;26:17;88:8;	53:4,6;58:1,12,18;	approximately (1)	62:11,17,19;63:7
	1/.11,40.1/,00.0,			attorneys (3)
78:21;79:12;		50.17.60.0.61.4 5 6.		
78:21;79:12; 111:19,19	101:4;109:19	59:17;60:9;61:4,5,6;	33:20 April (6)	
78:21;79:12; 111:19,19 Actions (6)	101:4;109:19 agreeing (1)	62:6;67:12;68:13,18;	April (6)	36:10,20;63:13
78:21;79:12; 111:19,19	101:4;109:19			

	_,			
August (7)	24	bottled (2)	15:19;18:21;19:5;	charge (5)
10:17;112:17;	beat (1)	108:1,8	26:5;32:23;51:2;	95:7;124:16;125:1,
113:9,13;115:20;	81:6	bottom (4)	53:10;61:17;65:23;	4,15
116:3;122:24	become (1)	10:9;81:3;82:9,22	73:17;74:5;114:8;	charged (3)
authorities (1)	99:10	break (2)	120:13	16:3;113:3,6
104:13	began (4)	54:24;126:2	cases (1)	charges (14)
authority (2)	73:1;112:14;	Bridge (1)	116:10	11:10;16:2,2;
17:12;104:20	113:12;118:22	35:11	category (2)	31:16;32:19;33:17;
authorized (1)	begin (1)	briefly (3)	37:14;79:24	101:10;112:15,21,24;
104:16	117:11	6:13;11:1;87:7	cause (2)	113:13;115:20;
avenue (1)	beginning (3)	bring (2)	80:9;87:5	116:2;124:12
88:14	95:2;99:13;122:24	10:6;80:4	cautioned (2)	chart (1)
average (1)	begins (1)	brings (2)	6:20;9:12	102:5
123:13	18:16	31:11;101:12	center (1)	check (12)
aware (33)	behalf (1)	broad (5)	12:16	24:2;32:4;34:1;
58:12;59:2,13,16,	4:12	57:5,6,23;58:22,23	cents (2)	61:17,18;65:13;
19;60:9,15,24;63:1;	behind (5)	broader (2)	33:20;35:4	74:18,20;93:10,11,
66:6;68:13,17;70:22;	65:2;91:2,13;	101:23;109:7	certain (4)	16;112:23
71:8;78:9,12;79:3;	106:12,19	broadly (1)	12:13;21:24;28:19;	Chico (2)
86:1,7,9;94:2,6,10,	below (1)	101:19	35:12	61:12,14
23;95:19;104:1;	89:23	BTU (1)	Certainly (2)	choosing (1)
107:9;121:13,17,17;	best (1)	13:8	99:12;110:18	7:23
122:1,8;123:7	11:24	BTUs (1)	certainty (1)	Chopper (5)
-	bet (1)	13:8	62:14	65:3;91:2,14;
В	23:24	burn (3)	CFR (5)	106:13,19
-	beyond (3)	13:7;14:18;24:21	93:5,18,21,22;	chose (1)
B31.3 (2)	17:19;18:21;53:17	business (4)	94:11	33:6
94:3,6	bid (1)	67:4,5,13;103:19	CHAIRWOMAN (66)	Christa (1)
back (31)	110:13	butchering (1)	3:2,21;4:2,7,13,16,	4:10
21:4,7;24:10;	bidder (1)	61:13	19;5:5;6:3,8,14,17;	circumstance (1)
25:14;26:20;27:21;	110:23	button (1)	8:10,13,16,24;9:7;	35:16
28:5;29:22,24;37:8;	bids (1)	87:4	11:17;22:4;23:15,18;	circumstances (7)
50:4,7,13;56:15;	110:11	buyer (1)	35:20;36:17;37:5,8,	64:11,15;66:5,18;
59:9;67:24;68:7,24;	big (1)	120:22	18;38:8,12,17,20;	91:18;107:24;125:9
72:3;76:19;90:24;	12:16		50:6,10;54:1,2,6,11,	cited (1)
102:8;106:4;112:6,7;	bigger (1)	C	15;63:5;78:24;95:23;	24:24
114:3,6,21;116:6;	87:4		96:3,17;97:8,22;98:3,	clarify (2)
122:13;124:21	bill (9)	calendar (1)	20;99:8,24;100:22;	12:19;98:21
Bailey (8)	5:20;7:4;67:11;	103:17	101:20;102:12,14,18;	clarifying (3)
3:23,24;4:1,16;9:2,	71:9;88:20;89:17;	call (2)	103:6,12,14,20;	19:18;51:3;98:18
5;98:10,12	101:3;102:6;125:2	3:14,19	104:6;115:11;120:4,	Clark (9)
ballpark (1)	bit (4)	called (1)	8,17;125:21,23;	67:11;70:23;71:9;
15:12	71:14;91:5;100:24;	27:22	126:1,4	88:20,23;89:1,17;
base (1)	107:6	came (3)	challenging (2)	102:6,24
101:6	blame (1)	19:17;35:7;52:5	12:3;101:1	classifying (1)
based (14)	73:4	can (35)	chance (1)	57:20
21:13;52:19;64:11;	blank (1)	3:14;5:12,23;7:17;	81:20	clause (4)
69:7,11;71:12;75:12;	36:3	8:18;12:1,24;14:12;	change (4)	99:11;110:9;111:3;
79:8;91:9,16,18;	blended (2)	28:7;29:14;31:24;	26:15;77:19;	118:20
92:1;117:23;119:11	13:13,24	35:20;36:7;50:4,9;	107:14;117:14	clear (5)
bases (1)	blower (1)	60:10;63:5,24;66:19;	changed (5)	20:3;96:3,11;99:4;
53:20	84:1	71:12;79:5,21;84:2;	14:18;28:14;86:17;	108:21
basic (1)	blowers (9)	87:8;88:21;92:18;	107:16;117:17	clearly (1)
11:23	25:10;27:12,13,18;	97:9;98:20;100:13,	changes (7)	62:22
basically (4)	66:12;70:4,16,18;	14;103:9;104:22;	5:11;8:2;10:5,19;	click (2)
7:24;16:12;33:21;	82:24	107:10;109:5;110:21	13:6;122:11;124:7	79:22;87:3
99:18	book (1)	cancelled (1)	changing (3)	close (2)
basis (4)	53:9	74:14	86:20;107:6;	98:5;103:19
124:16;125:1,4,14	books (1)	capital (1)	114:20	closed (1)
Bates (12)	112:17	28:23	characterization (2)	92:18
10:9,16;11:6;18:5;	both (6)	Carr (1)	13:4;78:8	CMSR (1)
33:19;34:4;72:15;	51:2;71:4;90:5,10;	38:6	characterize (1)	3:24
94:8;119:4,8;120:23,	96:20;109:9	case (13)	84:10	CNG (110)

WINTER 2020/2021 + S	SUMMER 2021 COST C	OF GAS		November 18, 2020
11:10,11;12:8,18;	companies (1)	83:15	112:14;113:7;116:6,	10:5
13:13,17;14:11,20;	117:21	consideration (2)	22;117:3,5,13,14,19,	correctly (3)
15:2,4,23;16:4,11,14,	Company (31)	105:12;110:8	20;118:12,16,19;	23:7;84:5;85:19
18,20;17:1;20:10;	9:18;10:13;15:9,	considerations (1)	119:13,13,15,24;	Cost (47)
21:3;24:10,20;26:11,	11;17:11;18:1;20:21;	66:1	121:14,16,18;122:2,	3:6;12:17;13:11,
22;28:11;31:15;	21:11,12;25:17;	considered (5)	9;123:18;125:5,6,20	14;14:24;15:13;16:8,
32:13,22;33:13,14,	26:14;28:9;30:20;	65:18,19;82:16;	contracts (19)	9,13;23:5;26:9;
19;34:3,5;50:19,22;	31:2;32:24;53:13;	83:9;91:10	31:10;34:20;35:12;	29:23;30:2;31:18;
51:19;54:22;55:2,6,	57:18;59:23;61:20;	considering (1)	64:9;68:1;69:4,6,18;	32:7,14,16;33:5;34:9,
11;56:11,20;57:3,12;	62:21;64:20;72:19;	83:17	76:16;79:13;94:19;	19;35:14;50:15,17,
59:3,18,22;60:11,22;	73:21;76:24;77:11;	consistent (2)	97:3;99:2;105:3;	20,23;51:4;52:7;
61:8;62:9;63:3,17;	92:5;95:3;110:4,21;	85:14;90:23	109:4,11;123:5,10;	56:19;57:1,6;60:13;
64:23;65:2;66:7,20;	111:19;122:17	construction (1)	124:9	67:8,22,23;87:23;
67:12,14;68:16;	Company's (10)	121:4	contract's (1)	88:15;90:4,16,19;
70:16,24;71:11;	11:1,13;15:7;	consultant (1)	112:4	96:14;100:10;
72:24;74:14;77:3,6,	16:16;20:7;26:9;	98:7	control (3)	113:17,24;116:8;
21;78:4,6,22;79:13;	51:2;60:15,19;	Consumer (3)	121:22;123:19,20	124:17;125:7,12
83:2,22;85:21;88:7,	113:17	4:11;12:7;33:3	convenient (1)	cost-effective (1)
12;90:16;91:1,13;	compared (2)	contained (1)	30:14	98:17
92:1,10;93:19;94:9,	7:14,16	38:22	conversation (2)	costly (2)
19,21;95:9,20;96:2;	completely (1)	cont'd (2)	59:14;91:21	82:19;83:1
97:7,17;100:18;	32:6	6:23,24	conversations (7)	costs (37)
101:9,10;106:12,23;	complex (2)	contemplate (1)	30:18;56:13;57:19,	11:11;12:9;13:12,
107:3;109:3;111:10;	82:19;90:19	106:22	22;59:10,24;62:4	13,17;14:1;15:17,20;
113:24;114:10,13,23;	complexities (1)	contemplated (1)	conversion (32)	16:3,11,12,20;21:5;
115:4;118:22;	72:11	101:5	14:9;15:1,5;16:18;	22:9;28:23;29:17;
121:23;122:16;	complexity (4)	contemporaneous (5)	18:9;20:4,9,22;	34:14,17,23,24;35:3,
125:1,15,17,19	88:2,18;90:5,18	63:18;77:24;78:17;	22:24;23:11;24:5;	3,7,7;50:19,22;65:16,
column (6)	complied (1) 122:20	79:10;97:13 contents (1)	25:13;26:23;28:17,	17;67:7;69:10;97:21;
84:7;87:21,22; 88:5;89:16,16	comply (3)	13:8	18;30:9;51:6,16; 52:3,7;85:16,21,22;	111:8,15,24;114:9, 11;118:22
columns (3)	93:2;122:10;	continue (3)	86:8,14;90:16;94:10;	Counsel (7)
79:24;87:17,21	123:14	3:4;31:7,10	99:13;100:3;101:5;	5:7,7,24;8:11;
combustion (1)	concern (5)	continued (1)	109:12;114:19	37:18;74:12;119:20
13:2	50:22;63:7;65:20;	124:12	conversions (7)	couple (1)
comfortable (3)	99:10;101:12	continues (1)	14:16;15:7;22:16,	34:7
119:23;120:3,9	concerned (1)	126:8	19;29:5,11;123:1	course (2)
comments (2)	16:7	contract (150)	convert (12)	10:23;11:13
81:14;84:8	concludes (1)	11:10;16:21;21:4;	14:10;15:13;23:5;	Court (5)
commercial (4)	126:7	31:16;32:14;34:10,	28:11;29:22,23,24;	6:20;9:12;23:14;
14:2,3,7;30:6	concrete (1)	10,15;35:5,9;54:22,	30:14;52:6,9;59:21;	72:23;94:5
Commission (34)	62:7	23;55:2,6,7,11,15,16,	115:4	cover (4)
3:20,22;4:18;5:23;	condition (1)	18,20;56:3,5,7,11;	converted (8)	5:12;38:22;108:22;
7:5;11:3,4;12:12;	26:1	57:3,13,16;58:3,4,14,	20:5;21:2;24:19;	126:8
16:17;17:11,19,22;	conditions (5)	17,19;59:4,18;63:17;	25:1;31:5;70:11;	covered (2)
18:1,12;20:7,22;	18:10;28:17;29:8;	64:12,16;65:1,4,6,7,	99:3,7	108:15;118:3
21:1;24:23;26:8,18;	52:4;123:21	8,14;66:7,20,21,23;	converting (3)	covering (1)
28:16;30:21;31:15;	confidential (11)	68:3,9,15;69:9,12,15;	26:10;27:17;60:11	94:21
50:21;51:5;53:11;	4:23;33:9,15,18;	70:8;71:11;72:24;	coordination (1)	created (2)
66:17;92:20;96:12,	35:18;37:21;38:23;	73:24;74:15;75:5,6,6,	30:12	66:12;87:13
16,21;102:4;109:7;	119:19,21,22,24	7,15,20,22;76:2;78:1,	corner (3)	creating (1)
121:21	confirm (2)	6,19,22;79:11;80:16;	5:15;8:21;87:9	14:22
Commissioner (7)	37:20;88:22	92:13;94:9,20,23;	Corp (1)	cross (1)
3:23;4:1,16;9:2,5;	confirmed (1)	95:6,10,13;96:2,10,	9:21	8:10
98:9,12 Commissioners (1)	103:17 connect (1)	14,22;97:5;99:19;	corporate (1) 104:3	crossed (1) 59:7
4:10	14:20	101:9,17;104:1,2,5, 11,15,23,24;105:9,	Corporation's (1)	cross-examination (3)
Commission's (3)	connected (3)	11,13,23,24,103.9, 11,14,15,20,23;	3:5	11:16,20;54:16
10:7;35:10;96:10	27:7;29:19;57:12	106:1,5,15,16,17,18,	corrected (1)	current (3)
commitments (1)	connectivity (1)	21;107:8,11,11,18,	105:18	26:9;72:18;91:4
28:19	72:22	19;108:2,3,13,14,17,	correction (2)	currently (1)
communications (2)	consider (4)	23;109:23;110:5,10,	10:15;95:1	91:6
62:11;122:13	72:10;77:2,20;	17,18;111:14;	corrections (1)	customer (15)

7:13,15,17,18,19,	64:21;70:20;80:23;	87:19	95:18;104:18;105:8;	32:4;59:6;101:2
20,21;14:16;15:8;	94:22;102:17;115:22	design (1)	124:20;125:8,13	dollar (1)
18:15,16;28:19;	decide (1)	121:3	Director (2)	120:12
100:12;101:5;108:8	111:18	designated (2)	5:18;9:19	done (31)
customers (59)	decided (5)	36:2;38:23	directs (1)	6:6;9:4;13:7;
4:12;13:18,19;	30:20,21;83:10;	detail (1)	96:16	17:23;23:22;25:8,10;
14:2,3,5,10,24;15:3,	96:13;115:18	14:14	disagreement (1)	26:15;28:2;29:15;
10,14;16:10,18,20;	decides (1)	Details (1)	109:4	30:16;35:8;53:24;
20:6,21,24;21:13;	12:12	87:20	disallowed (1)	58:2,13;59:17;61:6,
22:11,14;23:6,11;	deciding (1)	determinancy (1)	101:11	7;62:8;80:5;89:4,13;
24:5,6,10,18;25:2,19;	61:8	19:24	discard (2)	97:23;98:1,7;99:18;
26:23,24;27:4,9,18,	decision (4)	determination (2)	90:11,11	100:2;102:21;108:3;
21;28:4;29:18;30:5,	15:23;20:12;27:24;	12:10;122:18	discarded (3)	112:11;115:12
6,10;31:1,3,5,13;	72:20	determinations (1)	82:17;83:1;89:24	down (7)
51:20;52:6,10;60:13;	decisions (2)	17:14	discovery (4)	11:8;50:4;54:24;
64:24;66:9;67:23;	21:24;109:9	determine (2)	34:16,23;69:20;	62:14;82:24;95:21;
70:3,6;85:13;99:16;	declaratory (10)	73:16;74:4	96:9	122:21
		determined (2)		dry (1)
107:18,21;108:4,11;	16:24;17:20;18:22;		discuss (2)	
113:19	19:1;21:14;50:16;	95:9,19	36:14;71:19	114:23
customers' (1)	52:12,18;53:12,18	developed (1)	discussed (9)	due (3)
13:6	declare (1)	20:13	37:22;60:5;69:19;	3:8;72:9;107:23
D	28:4	development (3)	75:16;92:4;114:8;	duly (2)
D	declined (1)	67:5,5,13	118:24;119:1;124:1	6:19;9:11
	50:21	Dexter (2)	Discussion (9)	duration (2)
DaFonte (10)	defer (1)	33:10;37:13	6:16;23:17;30:5;	76:18;117:15
61:12,14;62:6,18;	119:20	DG (8)	37:7;54:8;63:14;	during (8)
63:2,12,16;67:3;68:9,	delay (3)	3:4;16:15,23;	76:7;119:17;124:18	3:8,14;4:23;34:23;
13	72:17;73:5;85:4	19:11;26:5;28:13;	discussions (7)	95:10;114:8;119:1;
data (6)	delays (4)	35:11;60:6	56:10,24;57:2,9;	121:19
62:13,23;68:19,21,	72:11;73:4,10,14	Dianne (1)	63:3,21;122:21	duty (1)
22;73:3	deliver (1)	3:21	dispute (1)	65:23
date (12)	26:22	dictated (1)	125:10	
5:14;8:17;10:16;	delivered (8)	73:13	distance (1)	${f E}$
	delivered (8) 112:19,20;113:9,	73:13 difference (2)	distance (1) 117:21	<u>E</u>
5:14;8:17;10:16;				earlier (17)
5:14;8:17;10:16; 57:14;59:5;74:7,8;	112:19,20;113:9,	difference (2)	117:21	
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20;	112:19,20;113:9, 15,20,22,22;115:19	difference (2) 12:17;13:10	117:21 distinction (1) 64:4	earlier (17)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8;	117:21 distinction (1)	earlier (17) 22:23;24:15;25:9;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1)	difference (2) 12:17;13:10 different (25)	117:21 distinction (1) 64:4 distracting (1)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13;	117:21 distinction (1) 64:4 distracting (1) 83:8	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15;	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1,	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12;	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16;	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16;	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7,	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15,	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17;
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15;	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17,	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12;	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16;	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6;	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1) 65:11	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17; 89:14,24;90:4;91:24;	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1) 80:22	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18 dockets (5)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2) 76:13;93:12
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1) 65:11 decades (2)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17; 89:14,24;90:4;91:24; 114:20;124:4	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1) 80:22 directly (19)	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18 dockets (5) 12:2,2;33:4,5;51:1	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2) 76:13;93:12 effective (1)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1) 65:11 decades (2) 76:12;93:13	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17; 89:14,24;90:4;91:24; 114:20;124:4 describing (1)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1) 80:22 directly (19) 30:11,17;55:1,5,10,	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18 dockets (5) 12:2,2;33:4,5;51:1 document (3)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2) 76:13;93:12 effective (1) 7:6
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1) 65:11 decades (2) 76:12;93:13 December (10)	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17; 89:14,24;90:4;91:24; 114:20;124:4 describing (1) 97:24	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1) 80:22 directly (19) 30:11,17;55:1,5,10, 14,19;56:1,9;57:11;	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18 dockets (5) 12:2,2;33:4,5;51:1 document (3) 59:2,13;61:10	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2) 76:13;93:12 effective (1) 7:6 effectively (3)
5:14;8:17;10:16; 57:14;59:5;74:7,8; 81:19;91:17;99:20; 109:1,16 dated (1) 80:12 dates (2) 97:13,15 day (7) 3:7;24:8;65:12; 74:11,15;126:7,10 days (2) 105:23;107:11 day-to-day (1) 86:3 deactivation (1) 84:1 deadline (1) 103:8 deal (1) 26:2 dealing (3) 91:6;111:13,17 dealt (2) 29:20;35:13 Debra (1) 65:11 decades (2) 76:12;93:13	112:19,20;113:9, 15,20,22,22;115:19 deliveries (1) 105:20 delivering (1) 51:19 delivery (8) 23:12;24:6;27:1,2; 34:3;106:23;121:19; 125:17 demand (22) 11:9;16:1,12; 31:16;33:16,22;59:4; 65:8;71:11;74:14; 95:7;101:9,16,17; 111:7,9;112:1,15; 113:12;115:19; 116:2;124:12 Department (1) 93:4 describe (1) 9:18 described (14) 11:6;13:9;25:11; 79:21;88:1,10,12,17; 89:14,24;90:4;91:24; 114:20;124:4 describing (1)	difference (2) 12:17;13:10 different (25) 5:12;12:20;13:8,8; 29:16;35:10;73:13; 85:12;86:13;91:5,14; 92:1,10,13;94:13,15; 105:7;106:22;107:1, 13,15;110:15,16; 123:7,12 differing (1) 77:16 difficult (1) 100:8 dig (1) 103:1 diligence (1) 72:9 DIRECT (4) 6:23;9:15;13:1,5 directed (1) 81:21 direction (1) 5:19 directive (1) 80:22 directly (19) 30:11,17;55:1,5,10,	117:21 distinction (1) 64:4 distracting (1) 83:8 distribution (4) 77:7;91:3;92:2; 97:18 divide (1) 112:1 dividing (1) 111:7 Division (13) 79:23;81:14;82:7, 11;84:7,8,11,14,15, 21;85:3,9;122:14 docket (19) 8:22;11:5;16:15; 19:14,19;20:1;21:17, 20;35:15;51:12,12; 52:18;53:6,9,16; 60:5;79:18;96:6; 109:18 docketbook (2) 33:8,18 dockets (5) 12:2,2;33:4,5;51:1 document (3)	earlier (17) 22:23;24:15;25:9; 52:10,12;59:20; 60:12;79:17,21; 80:21;83:19;86:7; 91:20;92:4;95:2; 114:20;124:15 early (1) 91:17 easy (1) 100:15 economic (14) 61:6;62:7;67:11; 70:22;71:9;86:11; 89:13;97:18,20;98:6; 99:17;102:6;108:17; 109:8 economically (1) 26:13 economics (2) 88:20;89:18 edits (1) 10:8 effect (2) 76:13;93:12 effective (1) 7:6

-				
efficient (1)	entire (12)	87:24	17:7	file (4)
91:10	20:9;22:24;28:11;	exclude (1)	explained (2)	85:18;86:14;88:13;
effort (1)	51:17;59:21;62:24;	37:4	24:15;94:7	103:9
103:1	71:2;89:5;93:21;	excluded (1)	explore (1)	filed (5)
eight (1)	97:3;99:13;100:3	64:1	31:9	20:2;32:9;51:12;
81:16	entity (2)	excludes (2)	exploring (1)	87:10,12
either (11)	73:17;74:4	63:6;99:11	29:1	filing (12)
8:11;12:8;30:20;	equipment (7)	excuse (6)	expressed (1)	3:6;17:6;32:8;
37:2;38:4;54:23;	13:6;14:17;24:20;	83:7,20;101:3,14;	100:17	33:2;34:4,5,11,14,18,
68:10;71:4;79:21;	121:11,24;122:6;	110:2;116:20	extent (5)	22;114:1,10
82:19;97:20	123:2	execute (1)	28:23;34:17;57:21;	filings (5)
elaborate (1)	Eric (1)	64:9	102:2;108:6	53:9;57:9;113:18;
24:13	36:7	executed (9)	extra (2)	116:8;125:12
elected (1)	essentially (2)	55:12;66:21;76:16;	91:3;104:9	finally (1)
7:21	12:22;14:21	80:15;94:20;109:1;	91.5,104.9	20:16
electronic (1)	establish (2)	112:5;123:5;124:10	\mathbf{F}	financial (6)
63:22	53:3;72:5	execution (13)	P	60:9;61:4;98:6;
else (4)			Eshwinia (1)	
	established (5)	56:2;57:15;58:2,4;	Fabrizio (1)	99:17;100:2,13
34:4,5;81:20;107:9	52:20;53:2;88:21;	59:5;63:18;66:22;	38:5	find (1)
e-mail (1)	93:3;116:17	72:21;75:22;109:16,	facilities (1)	51:13
59:7	estimate (1)	22;111:18;121:15	93:2	finding (3)
emergency (3)	73:22	Exhibit (18)	facility (19)	16:1;19:3;52:20
123:19,22;124:3	estimation (1)	5:9,13,15,17,17;	14:20;15:6;20:14,	findings (4)
employed (1)	84:22	6:1,4;7:2,3,4;8:3,18,	15;22:15,21;25:4,5,	3:12;17:18;53:20,
57:17	evaluated (2)	20,22;9:23;92:18;	24;26:1;29:2;30:23;	21
employee (3)	34:13;51:6	119:3;120:20	31:6,8;60:24;70:5;	finely (1)
38:6,9;98:7	even (7)	exhibits (1)	91:5;100:9;107:3	102:2
empty (1)	12:9;28:10;76:3,	5:5	fact (3)	finished (1)
123:22	13,19;89:12;109:7	exist (3)	52:9,20;78:3	92:17
encountered (1)	event (2)	78:13;89:11;	fact-finding (1)	first (18)
69:2	3:16;12:11	100:14	53:6	10:8;17:10;19:5;
end (16)	events (2)	existed (1)	facts (2)	20:3;24:8;58:9;73:1;
10:11;25:23;50:3;	74:3;86:20	72:20	6:4,9	74:8;87:8;89:5;
65:5;76:21,22;77:1,2,	eventual (1)	existing (3)	fair (1)	92:15,22,23;99:19;
6,20;78:3;80:3;	109:12	17:2;19:20;21:3	63:1	107:12,16;112:16,17
86:20,20;91:12;	eventually (1)	exists (2)	fairly (4)	five (2)
108:1	59:21	89:9;102:9	32:12,14;98:5;	107:20;108:11
ended (5)	everybody (2)	expanded (1)	107:23	fixed (1)
14:21;64:12,13;	20:18;30:16	53:17	fairness (1)	33:22
91:14;107:24	everyone (4)	expansion (2)	32:19	flow (1)
ends (1)	3:13;4:20,20;92:16	28:18;100:3	falls (1)	118:22
10:11	evidence (2)	expect (3)	116:15	flowed (1)
Energy (1)	6:2;79:8	100:12;103:7;	familiar (1)	111:10
34:18	evolved (1)	114:12	5:16	flowing (1)
EnergyNorth (1)	109:4	expectations (1)	far (3)	117:11
4:6	exact (3)	70:12	20:5,20;108:12	flying (1)
	7:24;13:21;124:6	expected (6)		83:8
engage (2)			February (1)	83:8 focus (2)
30:8;64:8	exactly (9)	7:19;70:5,17;	25:16	
engineering (5)	57:20;86:16;	113:18;114:17;	fee (6)	101:6;111:21
14:15;85:24;86:4,	106:10;112:23;	117:11	113:1,4;117:17;	focused (1)
9;104:4	114:15;115:14;	expecting (1)	118:1,4;119:18	81:18
enter (2)	116:8;118:3;125:11	114:15	feed (3)	folded (1)
36:15;105:22	EXAMINATION (2)	expects (1)	82:23;83:22;88:7	16:13
entered (9)	6:23;9:15	85:17	feel (1)	folks (1)
5:8;6:1;34:21;	examined (1)	expedited (1)	12:13	53:1
107:10;117:8;	19:5	12:2	feels (1)	follow (2)
121:14,18;122:1,8	exceed (1)	experience (2)	101:18	79:20;94:17
entering (10)	50:23	54:22;104:21	felt (1)	followed (2)
59:3,18;63:17;	except (1)	expertise (1)	99:22	51:22;94:9
64:16;66:20;69:4,5,	34:6	115:1	few (1)	following (1)
17;71:10;101:8	exception (1)	expiration (1)	14:2	92:17
entertain (1)	63:10	26:2	figure (1)	follows (1)
95:24	excess (1)	explain (1)	73:10	53:15
		1 1		

	T			
footnote (3)		grew (1)	hit (1)	92:5
10:10,11;95:4	G	33:21	112:17	importantly (1)
forbearance (1)	u	group (1)	Hmm-hmm (1)	111:16
12:4	Gas (50)	36:21	33:2	imprudent (1)
forecast (1)		growth (1)	hold (1)	101:11
32:20	3:6;4:6;5:19;12:22,	100:12	3:12	incident (7)
form (2)	24;13:1,12,14;14:18;	guess (5)	holder (4)	25:16;60:17;64:21;
11:7;76:13	16:8,13;17:2,13;	11:14;21:21;73:21;	82:23;83:6;90:1,9	70:20;80:3,23,23
formed (1)	18:16;20:23;21:13,	75:6;95:22	holiday (1)	Incidents (1)
12:23	18;23:1;24:21;29:18,	13.0,73.22	102:20	80:1
forth (5)	24;31:19;32:8,14,16;	Н	honestly (1)	include (6)
18:11;52:4;60:18;	33:5;34:9,19;35:14;	**	115:16	19:3,23;106:12;
93:5;122:14	50:15,18,20;51:4;	half-dozen (1)	hooked (1)	19.3,23,100.12, 109:2;111:24;114:10
forthright (1)	52:17;53:14;56:19;	108:4	27:11	included (20)
12:6	57:1,7;67:8,22;	half-hour (1)	hoops (1)	7:12;11:24;19:15;
forward (7)	85:11;96:14;113:18,	120:12	29:3	33:12;34:14,17;
28:24;62:23;65:5;	24;115:21;116:8;	handful (1)	HP (1)	52:10,14;63:14;67:6;
83:15;99:23;106:14;	117:11;124:17;	20:6	88:7	75:12;94:11;95:6;
107:12	125:7,12	handled (1)	hyperlink (1)	107:20;108:24;
found (2)	gases (1)	11:12	80:4	110:15;113:24;
25:17;27:13	114:23	happen (5)	hypothetical (1)	114:9;118:20;125:20
four (1)	gave (2)	22:17;30:23,24;	31:1	includes (5)
117:16	20:8;58:21	58:6;86:17	hypotheticals (1)	72:9,13;79:9;
FPO (6)	general (5)	happened (6)	111:13	108:13,16
5:21;7:15,17,18,21,	71:15;99:1;107:21;	19:13;67:24;69:23;	111.13	including (8)
23	108:5;125:19	85:23;86:22;113:4	I	51:1;57:13;83:24;
framework (1)	generalities (1)	happy (2)	1	85:11;93:1,6;111:9;
67:10	59:1	77:18;100:20	idea (6)	114:20
franchise (7)	generally (5)	hard (3)	15:12;30:2;92:1,	inclusion (1)
17:3,12,21;18:23;	14:13;71:24;104:5,	59:11;80:9;93:23	10;102:19;112:11	33:16
19:21;52:17;53:13	21;115:2	head (6)	ideas (1)	inconsistent (2)
frankly (2)	generated (1)	15:15;23:8;61:11;	118:19	121:11;122:2
75:3;100:14	22:10	64:2;65:10;94:4	identical (2)	incorporated (1)
free (1)	gets (1)	hear (2)	98:4,5	52:16
75:10	37:22	26:14;36:17	identified (7)	increase (2)
frequently (1)	Gilbertson (5)	heard (5)	4:23;32:17;37:20;	33:23;118:8
33:5	24:9;33:12;65:11;	25:9;66:14;76:7;	62:22;83:14;95:10,	incredibly (1)
Frink (5)	105:2;125:9	93:11;98:23	12	100:7
5:19;6:19,22;7:1;	Gilbertson's (2)	hearing (21)	identify (2)	incremental (2)
74:13	124:22,23	3:4,7,9,12,14,17,	5:22;66:19	11:11;14:1
front (6)	gist (1)	17;5:10;12:16;13:12;	identifying (1)	incurring (1)
32:4;38:2;83:8;	33:13	19:15,17;20:19;21:9;	4:22	69:10
93:22;94:1;96:6	given (12)	24:8;25:9;50:15;	illustrates (1)	Indeed (2)
fuel (2)	10:16;22:2;36:24;	54:10;79:9;101:7;	91:23	72:17;73:5
18:18;84:2	59:15;81:19;90:15,	126:8	imagine (1)	independent (1)
fuels (2)	17;96:9;101:15;	help (3)	95:16	63:15
50:23;76:23	104:21;105:13;110:8	12:1;23:23;98:21	immediately (1)	indicate (2)
full (1)	goal (1)	helpful (1)	81:17	51:9;52:20
100:9	123:14	31:23	impact (1)	indicated (2)
fully (3)	goes (5)	helping (1)	5:20	50:18,24
70:5;113:18;	21:15;57:8;62:17;	32:1	impacts (1)	indirectly (8)
124:24	92:7;118:2	herein (2)	7:4	55:1,5,10,14,19;
fundamentally (1)	Good (5)	18:11;52:4	implement (1)	56:1,9;57:11
100:4	3:24;4:4,9,14,15	high (7)	82:20	inform (1)
further (7)	Governor (2)	87:23,23;88:7;	Implementation (2)	102:4
8:9;14:13;17:14;	60:18;82:6	89:14;90:4,5,18	88:4;89:12	information (23)
29:5;84:19;98:10;	gradually (1)	high-pressure (4)	implemented (2)	4:22;20:13;33:9;
122:21	50:3	27:16;83:23;85:17,	81:13,16	35:18;37:21;57:8;
future (8)	Granite (1)	27.10,63.23,63.17,	implications (1)	62:1,13;63:16;68:8,
29:11;51:1;65:16;	35:11	himself (1)	85:11	11;73:11;78:1,18;
72:2;81:23;82:2;	grant (2)	79:4	important (7)	79:10;96:1;97:21;
90:15;93:7	18:8;52:1	hinges (1)	59:16;72:5;73:10;	99:11;109:21;
70.13,73.1	great (1)	122:5	74:3;77:13;91:21;	118:10,14;119:19;
	38:10	144.3	17.3,11.13,71.41,	110.10,17,117.17,

120:1	62:10	jumping (1)	large (4)	105:19,22;107:10;
initial (5)	investigate (1)	83:20	107:23,23;108:7,9	111:2;112:14,21;
34:22;53:11;94:10;	80:22	June (2)	larger (1)	113:15,23;114:12;
107:18;108:23	investigation (4)	117:6,7	101:5	115:3,18;117:22;
initially (4)	60:16;64:21;82:6,7	justified (1)	largest (1)	118:2;120:22;
53:17;91:1;117:10;	involve (4)	26:13	108:12	121:13;122:1;123:5,
122:17	27:12;63:23;72:3;	justness (1)	last (7)	7;124:1,2,24
initials (1)	91:3	32:18	3:7;5:10;7:10,14,	Liberty/Algonquin (1)
36:4	involved (36)		16;99:20;120:12	67:16
input (1)	14:9,10;15:2;	K	latch (1)	Liberty-Keene (3)
33:1	30:18;33:4;34:20;		56:17	77:6,20;125:20
inquiry (1)	55:1,5,10,14,18;56:1,	Kathryn (1)	Later (13)	Liberty's (7)
94:5	9,13,24;57:7,12,18;	4:1	18:12;19:15;61:3;	3:7;19:20;61:8,20;
inside (1)	58:7,18;59:8,9;60:1,	Keene (34)	69:16;70:6,21;73:14;	68:14;74:12;87:10
52:12	21;66:22,23;67:2;	3:5;14:4,24;17:13;	74:3;105:23;107:4,	limitation (1)
insight (2)	95:12,16;104:24;	18:10,15;19:4;21:12;	11;116:12;125:11	21:19
72:19;99:21	105:2,8;109:23;	22:24;24:18;26:10;	latter (3)	limited (3)
insisted (1)	112:12;118:23;	28:10,17;52:3;53:14;	114:14,16;115:23	13:17;99:2;109:15
124:2	121:15	57:14;59:19;60:11;	law (3)	limiting (1)
install (4)	involves (3)	61:9;62:9;63:4;	17:2;52:13,19	99:10
64:23;82:23;83:22;	15:24;63:19;123:9	68:16;70:24;76:20;	lease (2)	line (6)
107:3	Iqbal (1)	77:7;80:2,24;92:2,	26:2;88:11	10:10,12,16,17;
installation (3)	36:20	11;97:7,18;98:24;	least (2)	31:22;122:22
19:4;121:10;	irrelevant (2)	99:5;109:9	28:22;116:3	Lines (6)
122:16	68:2;96:12	keep (5)	leave (2)	18:12;33:13;34:6,
installed (2)	irrespective (4)	12:1;20:18;31:20;	29:21;82:8	7;72:15;102:9
15:3;24:15	65:16,16;66:16;	77:10,14	leaving (1)	link (1)
installing (2)	101:7	key (2)	90:8	79:21
16:14;83:9	issue (27)	73:16;123:21	led (1)	liquid (1)
instance (1)	3:14;12:12;15:17,	kind (5)	111:17	12:23
19:6	21,23;16:22;21:5,16,	20:19;30:4,7,7;	left (2)	list (2)
instead (1)	17;23:2;50:14;51:1,	98:15	79:24;81:13	38:2;82:15
111:6	10;52:14,15;59:16;	Knepper (4)	left-hand (3)	listed (1)
intended (4)	62:24;65:17;66:16;	74:13;76:11;80:6;	5:14;8:21;87:9	5:11
5:10;73:4;99:14;	67:7,22;72:22;96:6,	93:12	legal (5)	lists (1)
116:9	13;97:1;103:5;	Knepper's (2)	21:17;52:24;63:23;	93:18
interested (1)	111:15	119:3;120:2	64:3;104:3	literally (1)
99:16	issued (3)	knew (13)	less (1)	115:3
interesting (1)	17:23;26:6;53:11	69:7,11,21,24;70:2,	33:20	little (7)
29:6	issues (18)	3,7,8;73:17;74:5,5;	letter (1)	20:19;23:21;29:15;
interim (2)	3:8;11:2,4;12:15;	91:22;111:20	5:12	71:14;81:4;87:4;
7:7;89:21	25:10,23;28:7;32:17;	knowing (1)	letting (1) 103:9	107:6
internal (2)	34:12;37:2;38:18;	88:24		LNG (7)
62:12;104:17	66:13;67:21;69:2;	knowledge (2)	levels (1) 85:12	20:10;28:11;59:22; 60:24;83:10;90:1,10
interrupts (2) 23:14;72:23	72:18,20;79:18; 103:3	63:15;89:7	85:12 Liberty (90)	LNG/CNG (1)
	item (2)	knowledgeable (1) 97:1	3:5;4:5;5:7,24;	100:9
intervenor (1) 17:16	82:12;123:17	known (13)	6:13;9:20;17:3;18:8;	locate (1)
into (36)	items (1)	11:14;72:5,6;	21:9;38:5,9;52:1;	65:2
6:1;13:13;16:13;	89:24	73:11,12,18;74:6;	57:14;58:9,20;61:19,	location (3)
34:21;36:15;37:3;	07.∠ T	90:18,19;91:22;92:6,	22;64:8;65:18,19;	14:17;15:8;107:4
52:16;57:8;59:3,18;	J	6;111:20	66:6,20;67:18;69:7,	locations (1)
60:4;63:17;64:16;	J	knows (1)	17;73:17;74:5,13;	117:23
66:1,20;69:4,5,17;	join (1)	71:22	76:20,20;77:4;78:3,5,	long (3)
71:10;72:19;91:7;	36:23	11.22	18,21;79:12;80:15;	18:19;28:9;88:17
99:22;101:9;105:22;	joined (2)	L	81:9,13;82:16;83:3,6,	longer (3)
107:10;108:17;	59:23;73:21		9,13;85:15,17,21;	18:17;68:1;70:10
111:9;112:3;117:8;	July (11)	labeled (1)	86:14;87:12;88:15;	long-term (5)
118:21;121:14,18;	10:18;51:24;	90:11	89:5,24;90:14,20;	25:8;87:24;88:1;
122:1,8;125:12,16	112:20,21;113:5,11,	lack (2)	91:22;92:9;94:3,9,	90:5,9
introduce (3)	12,16;115:19;117:5,7	77:24;78:17	20;95:9,19;96:1,23;	look (7)
5:6;9:17;110:21	jump (1)	laptop (1)	97:12,16;99:22;	37:19;61:16;68:19;
invades (1)	29:4	87:5	101:15,16;104:23;	74:22;84:18;87:17;
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

WINTER 2020/2021 + S	SUMMER 2021 COST C	OF GAS		November 18, 2020
88:6	6:3,8,14,17;8:10,13,	medium (4)	24:21	
looking (13)	16,24;9:7;11:17;	87:23;88:15,18;	modular (1)	N
36:10;54:18;60:4;	22:4;23:15,18;35:20;	89:14	83:10	1
64:22;72:3;80:8;	36:17;37:5,8,18;38:8,	meet (2)	moment (2)	name (3)
89:8,15;98:14;109:8;	12,17,20;50:6,11;	103:8;110:23	71:12;89:6	3:20;9:19;61:13
112:6,7;119:16	54:1,2,6,11;63:5;	meeting (1)	Monadnock (8)	narrow (1)
looks (1)	78:24;96:3,17;97:8,	64:3	13:20,22;22:11;	
79:17	22;98:3,20;99:8,24;	meetings (1)	23:5;51:20;64:24;	63:5
				narrowly (1)
lost (1)	100:22;101:20;	59:8	83:24;88:8	101:13
117:24	102:12,18;103:6,14,	member (1)	Monday (1)	Natural (14)
lot (4)	20;104:6;115:11;	36:24	112:3	4:6;12:22;13:1;
23:19;28:16;72:13;	120:4,8,17;125:21,	members (3)	monitor (2)	
				14:18;17:12;18:16;
111:12	23;126:1,4	36:1,11;38:4	123:21;124:4	20:23;21:13,18;23:1;
lots (10)	Mary (1)	memo (2)	month (1)	24:21;29:18,24;
29:3,13;34:19;	4:16	59:3;60:10	114:15	53:14
56:13;57:19;59:10,	matter (3)	memory (1)	months (7)	necessarily (4)
10;67:13;111:4;	17:2;52:13,19	58:1	88:2,18;96:7;	
				26:17;83:16;
112:10	matter-of-law (1)	memos (1)	99:19;101:10;	110:12;122:18
low (1)	52:14	97:20	107:17;116:4	necessary (7)
87:23	matters (4)	mention (2)	more (19)	3:11;25:17;26:11;
lower (2)	5:2;19:4;97:1;	32:22;99:15	20:13;23:21;33:22;	
33:15;35:4	124:4	mentioned (4)	56:12;61:4;62:3;	36:15;76:4;122:12;
				123:3
low-pressure (2)	Maureen (1)	8:17;12:15;29:10;	64:5;66:24;68:11,12;	need (11)
84:2;85:14	31:24	124:15	88:1,17;100:17;	5:2;17:14,21;
Lunch (1)	may (71)	mentioning (1)	109:21;111:16;	18:23;26:2;35:15,21;
54:9	19:9;21:4;31:16,	120:11	116:11;118:6,10,14	85:16;95:9;102:19;
	17;50:22;55:12,22;	middle (1)	morning (10)	
\mathbf{M}	56:7;57:18,21;59:5,6,	10:12	3:3,24;4:4,9,14,15;	126:2
				needed (9)
	7,24;60:1;61:13,14,	might (8)	10:7,21;33:8;112:3	17:23;27:14,15;
Madam (5)	15;62:8,18;63:11,12;	15:16;30:2;32:9;	most (2)	70:4;75:13;95:20;
4:15;5:4;54:14;	66:17;68:10,15,18;	62:2;81:3;94:17;	63:20;91:10	104:2;110:5;118:14
102:14;103:11	69:16;73:18,19,20,	96:1;111:7	motions (1)	needs (3)
magnitude (2)	22;74:8,16;75:6;	Mike (1)	17:16	13:7;14:17;20:13
15:13;23:10	76:1,14;78:6;80:18;	4:5	move (8)	
	85:13,23;87:3;88:11;	mind (4)		negotiate (1)
main (2)			9:8;21:21;35:18;	123:10
24:16;91:4	89:3,3;93:14;94:22;	20:18;37:10;77:10,	36:7;37:3;50:3;64:5;	negotiated (3)
maintenance (1)	95:16;97:19,20;	14	87:1	97:4;111:24;
121:23	98:18;100:1;106:5;	minor (1)	moved (3)	118:11
making (6)	107:5;108:24;	10:8	28:5;38:9,14	negotiating (2)
19:17,18;27:20,23;	109:17;110:15,22;	minute (5)	moving (2)	
72:20;123:1	114:7;116:14,15,18,	23:4,15;37:6,9;	36:22;38:7	95:13,17
,			-	negotiation (7)
many (5)	18,20,22,23;117:4;	92:14	Mrs (1)	54:24;55:7;78:2,
32:4,16;33:4;59:9;	119:12,13,18;120:11;	missing (1)	94:4	19;79:11;110:18;
71:16	123:6	75:2	much (11)	117:19
March (4)	maybe (5)	mix (2)	12:5;20:12;29:23;	
		82:23;83:6		negotiations (7)
80:13;87:11;92:8;	64:1;107:20;108:4;	*	30:2;38:16;53:22;	75:15,21;112:12;
116:13	109:11;114:5	mixed (1)	63:19;81:20;88:13;	117:20;118:20,23;
marked (2)	McNamara (1)	19:9	102:19;122:5	119:1
9:23;33:18	33:12	mixing (1)	Mullen (32)	neither (1)
marketer (4)	mean (22)	12:23	9:8,10,11,14,17,19;	93:24
124:16,24;125:4,	17:8;25:7;30:4;	mixture (1)	11:22;23:16;54:18,	
14	31:8;32:15;53:4;	84:2	21;58:17;62:20;	new (3)
				8:17;26:21;27:7
Marketplace (25)	56:14;57:23;58:5,24;	mobilization (9)	63:10;65:19;71:8;	next (3)
13:22;14:21;20:6;	62:4;75:11;77:4;	108:20;112:21,24;	78:8,12,21;79:3,8;	51:2;89:16;102:21
22:12;24:17,20;29:9;	78:13;91:15;95:12;	113:1,4;117:16;	80:12;92:23;94:7;	NFPA (1)
31:4;51:20;52:6;	97:14;98:14;108:16;	118:1,4;119:18	98:18,23;103:24;	121:4
60:14,15,22;64:24;	110:16;111:13;116:9	mode (1)	104:6,8;109:21;	
65:4;66:10;70:3;	meaning (2)	85:15	115:11,13;120:3	None (2)
				15:19;58:11
71:2;83:24;88:8;	88:15;121:20	model (2)	mute (3)	nonetheless (1)
91:2;100:19;107:19;	means (1)	85:16,21	22:5;100:23;104:7	78:4
109:10;115:8	14:1	modeling (1)	myself (2)	non-FPO (3)
MARTIN (60)	meant (1)	86:13	77:4;119:7	7:13,18,20
3:2,21;4:2,7,13,19;	103:15	modified (1)		Nor (3)
		` ′		1101 (0)

72 2 62 22 24				T
72:3;93:23,24	6:16;15:15;23:8,	23:10;24:23;26:6;	panels (1)	per (1)
North (1)	17;36:14,18;37:6,7;	28:15;29:4,8,24;	78:18	8:1
34:18	54:6,8;61:10;64:2;	30:13;31:18,20;32:3,	paragraph (2)	percent (1)
notably (1)	65:9;67:20;82:10;	15,21;34:8;35:11;	80:2,3	28:22
50:24	104:15;126:5	50:18,20;51:3,4,23,	parent (1)	performed (1)
noted (1)	offer (1)	24;52:11,12;53:11;	61:20	68:18
	101:1	96:10,14,22;102:16;		perhaps (1)
126:9			parse (1)	
Notes (1)	offhand (2)	115:4;122:10	102:1	109:7
87:20	108:10;112:11	orders (11)	parsed (1)	period (13)
notice (6)	Office (4)	17:9,18;19:9;	101:13	11:9;25:22;59:22;
17:5;19:23;32:16,	4:11;12:7;31:24;	21:23,24;33:1;51:21;	part (33)	94:22;95:11;97:3,19;
21;33:1;82:9	33:3	52:5;53:10,19;66:17	5:6;12:16;15:19;	100:4;110:19;
notwithstanding (4)	old (1)	original (3)	16:15;17:2;18:3;	111:21;114:13;
77:23;78:2,17,20	27:7	18:24;21:7;64:13	19:6;25:7,12;27:15,	121:20;124:13
November (33)	once (8)	others (3)	17;28:12;32:7;34:11,	permanent (8)
5:14;7:7;8:20;55:8,	18:15;20:15;21:2;	11:15;66:23;95:16	12,16,21,24;59:20;	20:14,15;22:15,21;
19;56:5;58:16;68:3,	22:17;24:24;70:10;	otherwise (2)	60:5,16;70:19;73:6;	26:7;29:2;30:23;
5,9,15;69:15;75:5,7,	100:8;118:22	6:5;66:17	87:16;93:18;94:12;	60:24
17,22;78:5;80:16;	One (19)	out (18)	105:5,6;114:14,16;	permissible (1)
105:22;106:8,16,21;	5:9;34:10;64:5,13,	19:17;27:19;29:9;	115:23;124:16;125:5	121:6
107:8;109:23;110:5;	17,22;67:14;68:10;	35:7,21;36:5;73:10,	participant (2)	permission (3)
112:8,14;115:21;	92:24;94:17;100:15;	23;74:1;75:8;102:3,	37:13,14	18:8;52:2;109:22
117:4;119:12;123:4,	101:4;106:10,16;	17;105:13,16;110:9,	participate (2)	permits (1)
6,17	107:12,16,22;108:23;	11;111:3;118:20	33:6;124:19	121:9
number (5)	111:10	outage (1)	participated (3)	person (3)
8:22;13:18;18:20;	ones (2)	3:8	32:10;57:22;63:2	23:22;67:3;103:1
32:3;81:12	66:24;77:17	outcome (1)	participating (1)	personally (2)
numbered (2)	only (13)	73:13	4:21	30:10;68:17
81:3;87:19	13:17;21:1;27:15;	outside (1)	particular (9)	perspective (1)
numbers (4)	33:6;36:11;65:17,22;	115:1	59:12,13;68:17,21;	26:4
24:1,4;31:20;	95:6;107:18;108:3,	over (11)	91:9;104:11,12,20;	petition (3)
124:21	23;125:15,16	5:2;6:13;23:20;	105:9	16:23;85:18;86:14
nuts (1)	open (2)	56:13;57:19,22;	particularly (3)	phase (3)
109:13	32:4;92:19	59:22;60:4;105:14;	12:3;68:22;97:2	28:18;54:23,24
103.13	open-ended (1)	110:10;121:21	particulars (1)	physical (1)
0	71:6	overall (2)	86:23	124:7
	operate (1)	25:13;99:6	parties (2)	physically (4)
ooth (1)	25:21	overheard (1)	37:19;110:15	
oath (1)	operation (2)	63:13	parties' (1)	25:21;27:5,6,10 pick (2)
7:1	85:14;121:10	overrule (1)	•	
Object (3)	0.2.14.121.10			100.0.100.10
			36:12	100:9;109:10
62:10;96:5;109:16	operational (2)	101:21	Partly (1)	piece (1)
objection (5)	operational (2) 84:22;86:10	101:21 own (3)	Partly (1) 117:9	piece (1) 29:15
objection (5) 37:24;78:7;79:1;	operational (2) 84:22;86:10 operations (4)	101:21 own (3) 26:13;31:8;77:11	Partly (1) 117:9 Parts (1)	piece (1) 29:15 pieces (1)
objection (5) 37:24;78:7;79:1; 100:18;101:21	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4	101:21 own (3) 26:13;31:8;77:11 owns (2)	Partly (1) 117:9 Parts (1) 93:6	piece (1) 29:15 pieces (1) 51:9
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1)	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1)	101:21 own (3) 26:13;31:8;77:11	Partly (1) 117:9 Parts (1) 93:6 party (1)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4)	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1)	101:21 own (3) 26:13;31:8;77:11 owns (2)	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3)	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11)	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27)	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1;	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3)	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11;	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21;	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32)	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4,	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1)	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1)	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3)	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1)	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15)
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5; 94:21;96:2;97:14;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1) 79:23	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21 paid (6)	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12; 115:19	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15) 22:8,10;25:8;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5; 94:21;96:2;97:14; 103:24;106:1,5,15,	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1) 79:23 order (43)	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21 paid (6) 15:7,9,10;111:10;	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12; 115:19 people (9)	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15) 22:8,10;25:8; 59:20;83:14;86:2;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5; 94:21;96:2;97:14; 103:24;106:1,5,15, 17,18;109:24;116:3;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1) 79:23 order (43) 10:17;14:18;15:13;	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21 paid (6) 15:7,9,10;111:10; 112:21,24	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12; 115:19 people (9) 14:14;37:19;60:3;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15) 22:8,10;25:8; 59:20;83:14;86:2; 90:24;91:1,5,9,24;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5; 94:21;96:2;97:14; 103:24;106:1,5,15, 17,18;109:24;116:3; 123:3,4;124:8;125:3	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1) 79:23 order (43) 10:17;14:18;15:13; 17:5;18:7,7,24;19:1,	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21 paid (6) 15:7,9,10;111:10; 112:21,24 panel (3)	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12; 115:19 people (9) 14:14;37:19;60:3; 62:4,12;95:12;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15) 22:8,10;25:8; 59:20;83:14;86:2; 90:24;91:1,5,9,24; 94:10;106:12,13;
objection (5) 37:24;78:7;79:1; 100:18;101:21 observe (1) 36:9 OCA (4) 5:8,24;12:1;96:20 occur (3) 16:5;92:2;125:3 occurred (3) 74:3;75:16;122:21 October (32) 19:10;21:10;51:4, 22;55:3,16;56:2; 57:15;58:3,13;64:18; 65:7;66:6;68:6; 73:24;74:7;75:5; 94:21;96:2;97:14; 103:24;106:1,5,15, 17,18;109:24;116:3;	operational (2) 84:22;86:10 operations (4) 14:15;85:24;86:4,4 opinion (1) 78:15 opposed (1) 36:22 option (11) 7:23;21:3;25:1; 70:10;84:21;85:11; 88:20;89:17,21; 90:10,21 options (1) 82:16 orally (1) 115:23 orange (1) 79:23 order (43) 10:17;14:18;15:13;	101:21 own (3) 26:13;31:8;77:11 owns (2) 77:12;122:5 P Page (27) 7:13,14;10:9; 13:16;18:5;21:14; 31:15;33:19;34:4; 72:15;74:22;80:12; 81:2,3,8;82:1,3,8,15; 83:13;87:2,8,9,17; 89:8;119:4,8 pages (3) 7:11,11;38:21 paid (6) 15:7,9,10;111:10; 112:21,24	Partly (1) 117:9 Parts (1) 93:6 party (1) 121:20 past (1) 78:12 Paul (1) 33:10 Pause (2) 81:7;87:6 pay (4) 7:19,22;112:24; 116:2 paying (6) 7:14,15;101:9; 112:14;113:12; 115:19 people (9) 14:14;37:19;60:3;	piece (1) 29:15 pieces (1) 51:9 Pipeline (2) 80:1;93:3 pipes (2) 114:24;115:4 piping (1) 114:21 place (14) 22:20;26:22;32:13; 60:2;68:1;69:10,12; 73:4;76:12,14;93:14; 105:16;113:20;124:5 places (1) 117:22 plan (15) 22:8,10;25:8; 59:20;83:14;86:2; 90:24;91:1,5,9,24;

**************************************	THE TOTAL POST OF	1 3/15	I	1101011101110,2020
planned (3)	9:22;100:10	90:14	78:22;79:12;	5:21,21;13:14;
22:13;70:15,18	prepared (2)	projected (1)	111:19	15:19;16:13;19:5;
planning (1)	75:11;91:17	35:4	psig (1)	26:5;31:19;35:1,3;
28:9	present (6)	projection (1)	82:24	51:2;111:10
plans (6)	37:21;58:8;76:13;	61:5	public (9)	rates (9)
20:14;70:13;86:17,	78:10;96:23;107:4	projections (1)	3:16,22;4:18,23;	5:20;7:6,7,8;9:20;
21;92:7;107:2	president (1)	100:11	35:21;36:12,21;50:1,	26:7;32:19;50:19;
plant (3)	104:3	projects (1)	7	61:5
25:11;90:1,10	pressure (1)	67:14	PUC (13)	rather (2)
play (1)	88:7	promises (1)	76:8;78:2,20;	14:18;24:22
125:16	pretty (1)	30:7	79:22;92:15,19;93:7;	read (4)
please (4)	96:11	promoted (1)	121:6,12;122:3,11;	72:16;84:4;85:19;
		38:1		92:22
9:17;35:19;63:6;	previously (2)		123:8,14	
81:2	89:6;110:22	proof (1)	pull (1)	reading (1)
pm (3)	Price (5)	101:2	93:20	73:2
54:9,10;126:6	65:3;91:2,13;	propane (33)	pulled (1)	reaffirmed (1)
point (12)	106:13,19	11:12;12:18,19,20,	93:9	51:5
19:22,24;22:18,18;	prices (3)	21,23,24;13:12;	purchase (1)	realize (1)
52:8;59:7;60:10;	32:21;34:3;118:21	14:11,19,23;16:10;	31:12	109:24
100:5;101:4;102:24;	primarily (1)	18:14,17;20:10;21:2;	purpose (3)	really (9)
104:14;112:2	117:12	23:1;24:22;25:1,24;	80:21;82:4,5	11:8,23;20:20;
pool (1)	prior (10)	26:24;27:3;29:22;	purposes (1)	35:10;56:15;67:6;
50:4	11:9;35:14;56:24;	33:15,21;70:4,10;	29:7	69:1;81:20;87:3
portion (7)	58:2;75:21;85:16,21;	90:1,9;93:1;108:1,8;	pursuant (1)	reason (9)
3:10;15:4;26:10;		114:22	121:4	25:7;27:23;29:16;
	118:12;119:11;121:3			
83:23;88:8;99:6,15	privacy (1)	propane/air (2)	Pursue (4)	77:16;96:7;100:4;
position (17)	37:2	82:23;83:6	88:19,20;89:17,18	101:8;103:8;119:22
9:18;11:13;16:17;	private (4)	proposals (1)	put (14)	reasonable (2)
20:7;21:9,16;26:15;	36:1,5,15;37:3	110:13	5:18;15:23;19:22;	69:6;99:23
64:7;65:15;66:15;	privilege (3)	proposed (2)	26:22;28:16;60:18;	reasonableness (2)
77:23;78:21;79:12;	62:17,20;63:7	83:3;111:8	71:16;76:5;91:1;	32:19,20
90:13;96:21;101:8;	Probability (2)	Proprietary (1)	105:15;106:12;	reasoning (1)
113:23	88:4;89:12	38:24	110:11;113:20;	16:14
positions (1)	probably (3)	provide (10)	124:20	reasons (8)
11:2	27:10;73:23;89:10	20:23;52:24;65:23;	putting (2)	26:12,16;72:17;
possible (6)	problem (3)	70:9;96:1,16;99:21;	60:22;91:13	73:5,9,16;74:2;76:5
25:3;56:15;94:16;	3:15;6:15;38:6	116:9;123:18,22	00.22,71.13	recall (10)
	procedure (1)	provided (8)	0	6:12;56:16;60:2,
102:20;112:9,10			Q	
Post-Incident (2)	19:14	25:18;31:22;53:5,	114 (4)	20;61:10;65:9;71:12;
81:10,17	proceed (3)	6;62:15;74:23;	quality (1)	74:17,20;108:24
potential (6)	50:5,9;89:20	123:20;125:2	85:12	receive (2)
37:2;72:10,11;	proceeding (20)	provides (1)	quantities (3)	18:17;33:9
107:21;108:4,11	9:23;11:12;15:18,	7:4	105:14;107:14;	received (5)
potentially (2)	21,24;16:8,22;17:10;	providing (4)	110:9	52:5;104:16;
19:6;111:4	19:7;23:2;28:13;	72:19;85:12;96:24;	quarter (3)	110:12,13;125:2
power (1)	32:10,15;34:19;57:1;	99:5	85:18;86:15,22	receiving (1)
3:8	61:24;67:8,22;	provision (1)	quarterbacking (1)	18:16
Pradip (1)	124:20;125:7	52:16	112:3	recent (1)
36:8	proceedings (5)	proximity (1)	quite (2)	35:11
predict (1)	32:17;35:14;57:7;	27:8	25:22;102:15	recess (2)
72:1	81:7;87:6	prudence (4)	quote (4)	54:9;126:6
prefer (1)	process (8)	71:20,21;72:9;92:7		
	• ` ′		18:6;21:11;33:17,	recognizes (1)
5:23	55:2,6,11;75:8;	prudency (10)	19	18:15
prefiled (5)	100:8;110:19;	12:10;16:1;19:3,	-	recollect (1)
73:7;74:23;94:7;	111:17;123:21	24;20:2;50:13;51:10,	R	116:12
95:4;120:2	produce (5)	15,15;52:21		recollection (1)
preliminary (1)	61:22;67:18;97:12,	prudent (17)	raise (1)	79:2
5:1	16;102:9	12:13;20:11;30:22;	50:24	recommendation (6)
premium (2)	produced (1)	51:7,19;52:23;53:4,7,	ramifications (1)	17:24;18:2;88:3,
7:23;8:1	78:11	8;64:8;69:6,11;	37:1	19,24;90:8
preparation (2)	production (1)	71:15,18;78:4;97:3;	ran (3)	Recommendations (1)
91:8;111:8	88:14	101:17	106:5;116:18,22	81:9
prepare (2)	project (1)	prudently (3)	rate (12)	recommended (3)
pitpait (4)		DI UUCHUV (J)	1 att (14)	recommended (3)
,	project (1)	F	,	

WINTER 2020/2021 + S	TOWNINGER 2021 COST C	T GAS	1	100 veiliber 10, 2020
5:21;7:6,8	20:14;32:18;63:7;	101:24	54:10	room (1)
record (32)	65:1,4;98:7;102:7;	representations (1)	RESUMES (1)	38:3
3:3;5:7,22;6:7,16;	106:11,17;107:2;	116:7	50:1	roughly (2)
11:24;12:14,19;	125:10	representative (1)	retire (4)	15:12,15
23:17;36:14,18;37:6,	relation (1)	62:21	66:11;70:4,16,18	route (1)
7,9;54:7,8,12;71:17;	29:10	represented (1)	retrospect (1)	91:15
95:24;97:9;98:19;	relevance (1)	74:12	72:4	routine (3)
100:20;101:12;	76:10	representing (2)	return (2)	32:12,14;33:2
100:20,101:12,	relevant (8)	4:17;101:22	91:20;97:21	Rule (1)
102.1,13,103.22,	16:6;72:18;73:6;	request (20)	returning (1)	76:8
120:9;126:5			3:9	
,	92:24;97:4;99:11;	17:20;18:22;62:12;		ruled (2)
recover (3)	100:17;109:17	95:24;97:10;98:5,8,	re-using (1)	17:22;20:11
11:9;28:22;29:17	reliability (2)	19;100:21;101:13;	27:12	Rules (1) 123:15
recovery (2) 30:22;52:8	26:11;66:12	102:2,10,16;103:22;	revenue (2) 28:20,21	ruling (10)
· · · · · · · · · · · · · · · · · · ·	reliable (2)	108:13,16,22;109:6,		
redacted (5)	25:19;65:24	14;116:16	review (8)	16:24;17:20;18:22;
34:2;119:5,16,23;	reliance (1)	requested (6)	19:7;29:12;57:8;	19:1;21:14;50:16;
120:14	50:14	53:18;60:17;62:13;	60:19;81:9;102:21;	52:13,18;53:12,18
refer (2)	relying (1)	96:4;110:16,22	114:6;121:3	rulings (1)
18:5;32:11	34:8	requests (1)	reviewed (2)	17:15
reference (1)	remain (2)	109:2	34:16,23	run (1)
28:15	38:3;117:21	require (1)	RFP (10)	114:24
referenced (5)	remaining (1)	72:1	54:23;55:2,6,11;	C
51:21,23;79:17;	11:3	required (2)	73:23;74:1;75:8;	S
80:20;83:19	remains (1)	53:15;123:21	105:16;110:11,19	0 (4)
referred (2)	111:23	requirements (3)	RFPs (1)	safe (1)
27:16;124:21	remember (9)	29:13;122:11;	75:4	25:18
referring (5)	63:24;65:11;73:6;	123:8	right (38)	safety (31)
31:4,17;51:16,18;	108:9,10;115:13,16;	rescheduled (1)	9:7;14:3;18:5;	17:15,22;25:10;
57:10	124:5,18	3:18	21:12,18;27:1,6;	26:4,12,16;52:15,15;
refers (1)	remembering (1)	research (4)	30:1;32:17;33:24;	53:15;65:20;66:12,
118:1	23:7	57:12,21;58:18;	36:16;37:1;38:20;	16;79:18,23;80:1,23;
refrain (1)	remind (2)	62:7	52:24;61:3;66:19;	81:14;82:7,11;84:7,8,
4:21	3:13;4:20	residential (4)	67:9;69:12;77:18;	10,14,15,20;85:2,9;
regard (3)	reminding (1)	4:12;22:11,14,19	81:15;84:9,20,23,24;	93:3;122:14;124:1,2
50:22;70:23;	11:1	resolved (1)	89:2,16,23;91:23;	sales (1)
103:24	remote (1)	125:11	92:8;103:15;107:8,	32:20
regarding (6)	3:12	respect (3)	14;108:14;112:4,8;	same (18)
3:4;19:3;20:2;	removed (1)	60:14;98:19;	113:5;114:3;120:17	7:24;13:14;27:11;
79:2;85:3;98:6	50:19	117:10	right-hand (1)	30:16;55:24;58:16,
regardless (1)	repeat (1)	respond (3)	8:23	21;70:13;79:1;84:16,
35:6	92:3	80:21;100:1,20	risk (4)	23;110:6,7;114:24;
regular (1)	rephrase (1)	responded (1)	7:23;8:1;87:22;	117:22,23;118:18;
50:7	79:4	18:1	88:12	122:4
regulation (1)	replace (2)	response (10)	risks (1)	savings (2)
93:14	115:3,7	60:16,20;62:13;	72:10	33:23;84:22
regulations (1)	replaced (2)	64:20;70:20;81:19;	road (1)	saw (3)
93:3	10:14,18	87:15,16;91:8;102:9	95:21	33:11;34:2;59:12
Regulatory (6)	replacement (2)	responses (7)	Robidas (5)	saying (9)
9:20;105:13;110:9;	13:1,5	62:24;68:20,21,22;	6:14;9:9;23:23;	19:8,13;20:9;
111:2;118:20;121:22	report (8)	69:21;73:2,3	37:9;94:4	26:14;28:1;35:2,6;
reiterate (1)	79:16;80:5,12,20;	responsibility (2)	role (1)	82:10;112:6
116:15	81:18;82:4,5;87:10	16:19;20:23	105:7	scenario (1)
rejected (5)	Reporter (5)	responsible (3)	roles (1)	31:2
26:8,18;83:7,11;	6:21;9:13;23:14;	96:24;121:9,22	104:19	Schedule (2)
90:21	72:23;94:5	rest (5)	roll (1)	34:3,7
rejecting (1)	reports (2)	14:23;18:14;24:18;	3:19	Schwarzer (64)
83:6	84:16;86:10	27:14;29:11	rolled (1)	4:14,15,17;5:3,4;
relate (5)	represent (4)	result (1)	111:9	6:6,12,18,24;8:8,16,
13:17;67:23;71:1,	56:18;76:10;	117:20	rolling (1)	19;9:3;36:18,19;
2;99:2	120:21;121:5	resulting (1)	118:21	37:11,12,17;38:13,
related (14)	representation (3)	16:21	Roman (3)	15;54:4,5,13,14,17;
11:10;17:16;18:22;	63:24;74:19;	resumed (1)	82:9,10;123:17	62:16;63:8,9;78:14,
	l	1	1	

16;79:6,7,19;80:7,11;	separated (1)	shutdown (3)	socialized (1)	speculation (3)
92:16,21;95:22;	27:5	123:19,23;124:3	14:4	63:19;111:12;
96:18,19;97:8,11,23;	September (3)	Shute (20)	solution (1)	123:9
98:1,13;99:8,9;	51:3,22;116:3	4:7,9,10;8:15;	88:13	spending (1)
100:22,24;102:1,13;	series (1)	11:17,19,21;22:4,6,7;	somebody (3)	104:20
103:11,18,21,23;	17:9	23:24;24:3;35:17;	65:21;67:4;95:15	spoke (1)
	serve (20)	36:7;38:17,19;50:9,	someone (1)	70:14
109:14,20;115:15;				
120:15,19;125:21,22,	16:9,19;17:12;	10,12;53:24	71:21	spoken (1)
24;126:3	21:12,18;22:10;31:7,	side (1)	Sometime (1)	15:20
Schwarzer's (1)	13;53:13;60:13,22;	8:23	124:9	spot (2)
98:24	64:23;66:9;67:23;	sign (1)	sometimes (2)	22:20;33:20
scope (2)	68:16;70:6,15;	78:5	34:22;86:18	spread (1)
19:20;21:20	100:19;114:12;	signed (18)	soon (1)	33:22
Scope/Procedure (1)	115:21	21:4;55:3,7;61:14;	103:4	spreadsheet (3)
87:21	served (5)	67:3;69:12,15;70:7;	sorry (12)	60:10;61:4;62:7
Scope/Resources (1)	22:14;63:3;92:10;	74:16;78:22;79:13;	23:7;77:5;94:4;	staff (19)
88:10				
	101:10;125:15	95:15;97:15;99:20,	97:23;102:14;	4:10,17;7:8;17:23;
screen (2)	Service (19)	21;104:15;111:14;	103:11,14;106:15;	36:12,21,24;38:4,13;
54:18;83:20	9:21;10:13;20:24;	117:3	113:12,23;118:1;	50:24;56:10;62:12;
screens (1)	25:19;27:19;53:1;	significance (1)	120:15	78:9;81:8;82:10,11;
36:3	57:13;65:24;70:9,17,	7:10	sort (4)	87:12,15;96:20
scrutiny (1)	24;85:13;94:21;95:3,	significant (3)	21:19;80:8;91:23;	Staff's (6)
29:13	10;105:24;108:2;	75:2;77:15;88:11	104:4	5:21;7:5;18:2;
search (1)	116:4,9	signing (5)	sound (2)	50:21;99:12;101:8
89:11	services (1)	66:7;68:14;104:13;	33:24;104:9	stages (3)
	115:7	105:1;111:22		109:22;110:2,2
second (11)		,	sounds (2)	
5:17;10:10,15;	serving (4)	Simek (1)	101:22;125:18	standard (7)
54:7;80:2;85:18;	17:1;70:2;113:19;	101:4	soup (1)	71:15,18;94:3,6,8,
86:15,22;96:9;	114:17	similar (2)	109:13	11;121:5
107:11,19	session (9)	25:16;35:16	source (2)	standards (6)
section (2)	4:24;35:21;36:1,5,	simply (2)	18:18;66:10	77:17;93:19;94:13,
36:13;93:18	16;37:3;50:1,7;	19:19;72:19	space (1)	16,17;121:6
security (1)	119:22	singled (1)	88:14	stands (1)
80:22	set (4)	29:9	speak (26)	100:19
seeing (1)	18:11;50:2;52:4;	sit (1)	14:12,14;21:24;	start (7)
99:17	93:5	89:2	30:10,11,17;34:15;	5:2;35:24;97:15;
seem (3)	several (1)	site (6)	53:10,19;74:1;82:5;	112:2;113:19;
11:23;28:3;94:13	76:15	22:15;79:22;92:20;	84:11,17;85:23;86:5,	114:17;115:19
seems (11)	shaking (1)	100:9;113:20;121:3	16,21,24;95:18;	started (6)
15:22;27:23;28:2;	94:4	sited (1)	104:18;116:10;	17:4,7;18:21;
29:19;33:4;36:24;	Shall (6)	20:16	118:24;121:16;	67:20;122:23;123:1
68:2;77:24;90:20;	37:16;93:2;121:2,	sites (1)	122:7;125:8,13	starting (3)
100:16;101:17	8,22;123:18	29:2	speaking (1)	4:3;22:18;100:5
selected (1)	Sheehan (30)	Sitting (2)	23:20	starts (2)
	4:3,4,5;8:12;9:8,			
100:5		59:15;60:8	speaks (1)	82:10;87:8
selection (2)	16;21:8;37:23,24;	six (7)	65:14	state (4)
55:15,18	38:10;62:10,19;64:1;	83:14;88:1,17;	specific (15)	22:22;26:19;31:14;
seller (4)	78:7;96:4,5;97:22;	99:19;107:17,20;	35:15;56:12,16;	109:5
120:21;121:2,8,20	98:3;99:24;100:1;	108:11	57:24;58:12;59:2;	stated (10)
sense (5)	101:20;102:11,18,23;	skid (23)	61:10;62:3;68:12;	16:16;18:7;22:23;
17:1;25:3;52:22,	109:5,19;120:4,7,10,	15:4,5;22:8;23:12;	69:3;74:20;86:12;	23:4;24:9;52:1;
23;84:23	18	24:16;31:12,12;	89:3;93:13;99:14	53:14;66:8;105:21;
sensitive (1)	short (1)	60:22;64:23;65:2;	specifically (10)	113:17
23:21	87:24	77:11,12;91:1,13;	19:2;26:8,18;	statement (4)
sentence (5)	short-term (1)	106:12,18;112:18,20;	34:21;58:5;60:7;	24:11,14;27:20;
10:11;73:1;74:21;	81:19	113:9,15,19;115:18;	74:17;97:9;99:2;	66:4
92:22,23	show (1)	118:2	105:1	statements (1)
separable (1)	101:18	skills (1)	specifics (3)	19:18
28:3	shows (7)	71:16	58:24;59:11;60:2	States (1)
separate (10)	5:20;7:13,15,22;	slipped (1)	speculate (1)	93:4
14:23;18:13;19:7;	19:19;75:20;98:15	117:9	30:3	station (1)
24:17;27:1,2;28:7;	shut (1)	small (2)	speculating (1)	88:12
29:15;38:22;126:8	82:24	26:10;83:9	115:8	stay (1)
	02.27	20.10,03.7	113.0	buly (1)

VIIVIER 2020/2021 + S		or GAS		140vember 18, 2020
23:19	65:8;84:3	83:2,10,23;84:1,2;	65:11	99:1;124:5
step (3)	supplier (3)	85:15,17,22;88:7;	testimony (42)	top (6)
25:13;62:23;	31:11;32:20;77:12	97:19;99:1,5,7;100:3,	8:5;9:22;10:2,6,20,	15:15;23:8;61:11;
114:21	supply (24)	6;109:13;123:18,19,	21,24;11:7;13:16;	64:2;65:9;87:18
Stephen (3)	15:4;16:12,21;	20	16:16;18:4,6;20:1;	topic (1)
5:19;6:19,22	21:3;57:3,13;59:4;	20	22:23;24:24;25:12;	124:22
stepping (3)	71:11;72:24;74:14;	T	31:14;32:9,12;33:11,	topics (1)
105:13;110:9;	78:6;79:13;94:9;		13,14;34:6;51:23;	68:24
118:21	95:7;101:9,16;	table (4)	67:21;69:20;72:15;	towards (1)
steps (2)	104:24;105:3,24;	81:13;84:23;85:2;	73:7;74:12,24;75:12,	82:22
104:22;118:14	106:2;109:3;111:7,9;	91:24	13;79:2;94:8;95:1,4;	tracked (1)
Steve (1)	112:1	talk (5)	105:19;116:10;	62:14
120:11	supplying (1)	70:21;71:14;92:14,	119:4;120:2;124:22,	transcript (6)
STEVEN (3)	29:17	15;116:13	23	19:19;21:15;38:21;
9:11,14,19	support (7)	talked (4)	thereby (1)	56:19;120:14;126:9
stick (1)	58:3,13;62:9;	35:12;69:23,24;	35:5	transpired (1)
107:7	68:14;86:8;109:2;	125:9	thereto (1)	25:14
still (12)	121:23	talking (11)	93:7	Transportation (1)
7:1;13:19;25:23;	supported (11)	15:1;16:9;20:4,17;	therm (1)	93:5
27:3,8;28:24;37:15;	58:19;59:18;60:11;	23:21;58:24;59:9;	8:1	troublesome (2)
61:19;67:15;80:8;	61:8;63:17;64:15;	60:13;68:5;69:1;73:3	thinking (1)	27:13;66:11
99:16;117:22	66:7,19;69:17;71:10;	talks (2)	61:3	trucks (1)
stipulated (1)	109:9	75:4,15	third (1)	123:22
6:4	supporting (1)	tariff (1)	121:20	try (2)
stipulation (1)	96:2	85:10	though (2)	12:4;71:7
6:9	supports (2)	team (2)	60:7;63:20	trying (8)
stop (1)	59:3;97:17	105:5,6	thought (2)	29:16;31:20;67:10;
126:5	sure (29)	technical (1)	88:16;114:19	102:16;104:8;110:1;
storage (1)	12:13;17:9;23:10;	3:8	three (5)	115:13;116:11
93:2	24:4;25:18;28:21;	temporary (20)	36:12;58:11;116:4,	turn (5)
straight (1)	30:13;32:6;59:23;	14:20;15:3,6,23;	12;117:16	6:13;79:16;94:19;
31:21	61:18;63:8;67:6;	16:4,14;22:8;24:16;	throughout (1)	119:2;120:20
strong (1)	73:15,20;74:10;79:6;	25:4,5,6;27:22,22;	124:13	two (14)
96:21	89:1;92:4;93:17;	28:5,6;31:6,8;88:13;	tiles (1)	5:5;7:10;10:8;11:2,
stuff (1)	94:18;104:9;108:15;	91:4;107:3	36:4	3;28:3,7;67:21;
109:11	110:15,20;119:7;	term (8)	time-consuming (1)	82:13;85:12;86:13;
subject (16)	120:14;122:4;	87:24;88:17;	100:8	87:4;89:23;100:7
18:10;23:13;24:2;	124:16;126:3	105:14;107:16;	timeframes (1)	two-cent (1)
29:12;32:3;34:1;	surely (1)	110:10;117:5;	86:19	8:1
36:10;52:3;61:17,18;	101:14	119:13,15	timeline (14)	types (1)
65:13;74:18,19;	surprise (2)	terminated (5)	74:8,22;75:3,4,9,	31:10
93:10,11,16	56:21,22	64:13;65:6;106:3,	11,14,18,23;76:2,6,	typically (1)
submitted (1)	surprised (1)	8,11	15,18;124:6	63:23
52:8	73:14	terminology (1)	times (1)	30.20
substantively (1)	sustain (1)	84:17	20:20	U
76:12	79:1	terms (23)	timetable (1)	
suggest (1)	swear (2)	13:9;21:20;22:1;	107:5	ultimately (3)
101:3	6:10;9:9	25:24;26:13;28:20;	timing (5)	30:19,19;124:2
suggesting (2)	switch (3)	53:20;57:9;65:9;	69:2;102:15;103:4;	unable (1)
69:5,9	24:9;36:3;123:22	71:20;73:9;75:16;	107:24;117:9	3:16
suggests (2)	sworn (6)	76:1;104:2;110:14,	tiny (2)	unaware (4)
76:3;97:6	6:10,20,22;9:12,	21,24;112:13;113:7;	87:3;99:15	86:7;88:22;89:2;
summarized (1)	14;10:20	115:6;116:6;117:13,	title (1)	124:24
92:9	synthetic (1)	13	81:8	under (14)
summary (1)	12:22	tested (1)	today (6)	7:1;10:12;38:22;
11:7	system (47)	113:21	8:3;22:23;59:15;	52:17;88:16,19;95:3;
summer (9)	14:22;18:10,14,14;	testified (7)	60:8;91:6;100:19	105:20;108:2;
31:18;32:7;34:9;	20:10;22:24;23:12;	58:9;59:20;60:12;	today's (1)	112:13;121:8,19;
50:15,20;113:24;	24:6,18;26:11,21;	76:11;78:8;89:6;	12:16	123:17;126:8
114:4,7;124:17	27:2,3,7,8,14,15,17,	105:10	together (2)	underlying (1)
supermarket (1)	24;28:11;29:5,12;	testify (1)	5:18;124:21	69:3
65:3	51:17;52:3;59:21;	93:12	took (5)	undertake (2)
supplied (2)	71:3;77:7;82:24;	testifying (1)	10:13,13;60:1;	18:9;52:2
	,,,,	V ·B (-/		

				,
undertaken (1)	versus (3)	35:22,24;36:9;		192 (3)
71:23	11:11;23:11;24:5	37:5,16;50:2	1	93:6,18;94:12
unfolded (1)	VI (1)	Winter (15)		193 (1)
92:8	82:10	3:6;7:14,16,16,19,	1 (11)	93:6
unfortunately (1)	via (1)	22;50:17;51:4;56:10,	10:10;65:12;80:12;	198 (1)
37:4	84:3	19,23;114:5,10,17;	85:2,3;94:22;116:18,	93:6
uniquely (1)	vicinity (2)	115:24	23;117:7;119:13;	199 (1)
65:7	107:22;108:5	wish (1)	126:7	93:6
United (1)	viewed (2)	36:23	1:34 (1)	1C (1)
93:4	15:19;21:10	wishes (2)	54:10	121:2
unless (1)	views (1)	70:12,14	10 (3)	1D (1)
64:3	77:16	within (1)	33:19;35:4;119:3	121:8
unlikely (1)	VIII (1)	116:15	100 (1)	1st (3)
36:22	82:10	without (2)	87:8	7:6;102:17;117:5
unsuccessful (1)	volume (5)	59:11;65:8	100-plus-page (1)	
5:11	33:21,23;104:23;	witness (7)	80:5	2
up (27)	108:7;118:8	3:7;5:3;54:1;	101 (2)	
12:1;14:22;27:11;	***	61:23;62:23;67:19;	119:4,8	2 (8)
36:8,22;38:7,9,14;	\mathbf{W}	78:10	103 (2)	72:15;74:11;87:7,
54:13;64:12,13;65:5;	. (2)	witnesses (1)	87:2,17	10;123:17;126:7,10,
74:15;86:20,20;	wants (2)	96:24	105 (2)	10
88:14;91:13,14;	79:20;92:19	word (4)	120:23,24	2:57 (2)
92:18;93:9,20;96:23;	Water (1)	10:13;25:6;65:22;	11 (3)	125:23;126:6
103:2;107:24;108:1;	5:18	84:13	84:20;105:23;	20 (4)
109:10;111:17	wave (1)	words (3)	107:11	13:19,21;51:19;
Update (2)	80:9	84:11,14;85:7	1-12 (1)	99:15
88:5;89:20	way (6)	work (2)	68:23	2013 (3)
updated (3) 5:9;8:17,20	18:19;21:1;25:22; 31:23;57:6;91:11	61:5;114:19 works (2)	12:41 (1)	76:14,19;93:15 2014 (5)
upon (1)	web (2)	61:19;67:13	54:9	57:14;73:18,20,22;
69:7	79:22;92:20	wrapped (1)	13 (1)	76:19
upper (3)	Wednesday (3)	125:12	10:9	2015 (6)
5:14;8:21;87:9	102:21;103:16,18	writes (1)	14 (3)	56:10,15,18;60:17;
use (6)	weigh (1)	84:15	57:18;88:6,6	70:20;80:24
24:10;76:24;77:8;	120:5	writing (1)	1-4 (1)	20-152 (1)
79:20;83:2;84:16	Weisner (1)	87:2	68:22 14-155 (2)	3:4
used (1)	38:4	written (1)	28:13;60:6	2016 (67)
12:24	welcome (1)	10:20	15 (11)	55:3,3,8,16,19;
user (8)	92:19	wrote (1)	13:21;25:15;30:6;	56:2,5,23;57:15;58:3,
76:21,22;77:1,2,6,	weren't (1)	85:10	51:19;64:21;81:2,8;	13,16,19;59:17;61:7;
21;78:3;107:23	124:15		82:8;89:23;90:23;	62:8;63:18;64:9,12,
uses (2)	wet (1)	\mathbf{X}	99:15	18;65:7;66:6,20;
7:7;65:21	114:23		15-517 (1)	67:24;68:3,9,15;
Utilities (6)	whatnot (1)	XNG (6)	79:18	69:15;70:1,23;71:10;
3:5,22;4:5,18;9:21;	20:2	117:22;118:2;	16 (4)	72:6;73:12,24;74:7;
93:1	what's (9)	120:21;121:10,21;	25:16;82:15;89:23;	75:5,7,17,22;78:5,23;
utility (1)	14:9;15:2;29:6;	123:20	90:23	79:13;80:13,16;
76:22	75:2,2,23,24;96:4;		17 (3)	86:15;87:11;91:17;
utility's (1)	120:1	Y	21:4;82:1,3	92:8;94:21,22;97:14,
123:14	Whenever (1)		17-048 (2)	19;105:5,22;106:8,
	65:21	year (1)	26:5;28:15	21;108:24;109:15,
${f V}$	whereas (1)	114:16	17-068 (6)	23;110:5;112:9,14;
	36:21	years (6)	16:15,23;19:11,23;	113:24;114:3;117:4;
vaporized (1)	WHEREUPON (2)	56:14;59:9;76:15;	50:16;53:2	119:12;123:6
12:23	6:19;9:11	100:7;116:12;117:16	17-198 (1)	2017 (60)
various (1)	whole (3)	Yup (2)	35:11	19:10;55:12,22;
104:13	16:13;27:24;	31:5;120:16	18 (4)	56:7;59:5,17;61:7,
verbal (1)	109:12	Λ	5:14;8:20;28:16;	15;62:8;63:18;64:10;
63:22	who's (2)	0	83:13	68:10,15;69:16;70:1,
T/amaalla442 /1)	00.0.105.2		10 (2)	6,17,23;71:10;72:6;
Vercellotti (1)	80:8;105:2	035 (1)	19 (3)	
38:5	willing (1)	035 (1)	18:12;33:13;34:6	73:12,19;74:9,16;
		035 (1) 94:8		

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			T	110101111001 10, 2020
106 6 107 5 100 15				
106:6;107:5;109:15,				
17;112:17,20,22;	3	9		
113:5,10,13,16,19;				
114:2,4,5,7,14;	3 (5)	9 (5)		
115:22;116:8,19,22,				
23;117:5,7;119:14;	7:11,13;72:16;	5:9,13;8:18,20;		
	84:18,20	11:7		
122:23;123:4,6;	3.5 (1)	9.77 (1)		
124:8	82:24	33:20		
2017-2018 (3)	3/Session (2)			
114:5,10,13	126:7,10			
2018 (12)				
	3:00 (1)			
19:15;31:17,17;	126:2			
32:7;34:8;50:15,17;	30 (3)			
122:22;124:17;	116:19,23;119:14			
125:5,6,7	300,000 (2)			
2019 (6)				
50:20;51:3,4,22,	15:16;23:6			
	30th (2)			
24;125:3	117:6,7			
2020 (5)	31 (1)			
5:14;8:21;116:19,	94:22			
23;119:14	31st (1)			
2020-2021 (1)				
3:6	80:13			
	39 (2)			
2021 (2)	38:21;74:22			
117:6,7		-		
20th (1)	4			
19:10	•			
21 (2)	4 (2)			
10:16;18:5	4 (3)			
	7:11,14;10:16			
22 (5)	49 (4)			
5:17;7:2,4;8:3;	38:21;93:5,18;			
109:17	94:11			
22nd (2)	4th (1)			
74:16;116:22				
24 (2)	125:3			
	_			
18:12;94:21	5			
24th (3)		-		
103:7,12,15	50 (1)			
25th (4)	28:22			
87:11;102:22;				
103:13,16	506.01 (10)			
	76:8;78:2,20;			
26 (1)	92:15,19;93:8;121:7,			
101:10	12;122:3;123:8			
26,065 (1)	506.01a (1)			
19:10	92:24			
26,126 (1)				
31:18	52 (1)			
26,184 (1)	121:4			
		1		
50:18	6			
26,241 (1)		-		
50:20	6 (6)			
26,274 (2)				
18:7;51:24	9:23;82:22;83:20,			
	22;84:19;85:10			
26,294 (1)	603271-2431 (1)			
51:3	3:15			
26,305 (1)		-		
51:5	8			
29 (1)	U			
34:4				
	8 (5)			
2C (1)	11:6;13:16;21:14;			
121:19	31:15;72:15			
	, · · · -			