

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

STATE OF IOWA
DEPARTMENT OF COMMERCE
BEFORE THE IOWA UTILITIES BOARD

- - - - - X
IN RE: : Docket No.
: EEP-2022-0150
INTERSTATE POWER AND LIGHT :
COMPANY :
- - - - - X

ORIGINAL

TRANSCRIPT OF HEARING
PUBLIC SESSION

Hearing Room
1375 East Court Avenue
Des Moines, Iowa
Thursday, June 8, 2023

Met, pursuant to order, at 9 a.m.

BEFORE: THE IOWA UTILITIES BOARD
CECIL WRIGHT, Presiding Officer

(Pages 1 through 190)
(Pages 199 through 203)

DARCY KRIENS - CERTIFIED SHORTHAND REPORTER

1 **APPEARANCES:**

2 **For the Iowa Utilities Board:**

3 CARL BAKER, ESQ.
4 MATTHEW OETKER, ESQ.
5 Iowa Utilities Board
6 1375 East Court Avenue
7 Des Moines, IA 50319

8 **For Interstate Power and Light Company:**

9 MATTHEW J. SOWDEN, ESQ.
10 500 East Court Avenue
11 Suite 300
12 Des Moines, IA 50309

13 **For the Office of Consumer Advocate:**

14 JENNIFER EASLER, ESQ.
15 JENNIFER JOHNSON, ESQ.
16 Office of Consumer Advocate
17 1375 East Court Avenue
18 Room 63
19 Des Moines, IA 50319

20 **For Large Energy Group:**

21 HALEY R. VAN LOON, ESQ.
22 BrownWinick Law Firm
23 666 Grand Avenue
24 Suite 2000
25 Des Moines, IA 50309

26 **For Iowa Business Energy Coalition:**

27 LYNN HERNDON, ESQ.
28 Nyemaster Goode, P.C.
29 700 Walnut Street
30 Suite 1600
31 Des Moines, IA 50309

32 **For Environmental Law and Policy Center:**

33 JOSHUA T. MANDELBAUM, ESQ.
34 Environmental Law & Policy Center
35 505 Fifth Avenue
36 Suite 333
37 Des Moines, IA 50309

1 **APPEARANCES (Continued):**

2 **For the Iowa Environmental Council:**

3 **MICHAEL R. SCHMIDT, ESQ.**
4 **Iowa Environmental Council**
5 **505 Fifth Avenue**
6 **Suite 850**
7 **Des Moines, IA 50309**

8 **For Clean Energy Districts of Iowa:**

9 **JAMES MARTIN-SCHRAMM**
10 **Winneshiek Energy District**
11 **217 West Water Street**
12 **Decorah, IA 52101**

13 **Iowa Utilities Board Staff:**

14 **BRENDA BIDDLE**
15 **JESSI MEYERS**
16 **GRACIE HART**

17

18

19

20

21

22

23

24

25

26

27

28

29

30

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Page 4

1	I N D E X					
2	WITNESS:	DIRECT	CROSS	REDIRECT	RECROSS	BOARD
3	For IPL					
4	A. Ellsworth	17	19 (Easler)	39		35
5	A. Velonis	41	42 (Easler)	67		64, 68
6			62 (Van Loon)			
7						
8	K. Gehrke	70	73 (Easler)	114	114 (Easler)	107, 115
9			97 (Van Loon)			
10			103 (Herndon)			
11			103 (Martin-Schramm)			
12	A. Iano	122	123 (Johnson)			133
13			126 (Van Loon)			
14						
15	For OCA					
16	S. Bents	135				
17	B. Kruger	137				138
18	M. Munoz	145	146 (Van Loon)	169		165
19			159 (Herndon)			
20	T. Tessier	171				
21	For LEG					
22	D. Vognsen	173				174
23	For IBEC					
24	R. Stephens	177				
25						

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Page 5

1	WITNESS:	DIRECT	CROSS	REDIRECT	RECROSS	BOARD
2	For CEDI					
3	J. Martin-Schramm					186
4						
5	EXHIBITS:			OFFERED		ADMITTED
6	For OCA					
7	Hearing Exhibit 1			61		62
8	Hearing Exhibit 2			94		94
9	Hearing Exhibit 3			61		62
10	Hearing Exhibit 4			96		97
11	Hearing Exhibit 5			82		83
12	Hearing Exhibit 6			77		77
13	Hearing Exhibit 7			80		81
14	Hearing Exhibit 8			93		93
15	Hearing Exhibit 9			35		35
16	Hearing Exhibit 10			34		34
17	For LEG					
18	Hearing Exhibit 1			63		64
19	Hearing Exhibit 2			152		152
20	Hearing Exhibit 3			155		156
21	For IBEC					
22	Hearing Exhibit 1			162		163
23	(phonetic) indicates a phonetic spelling.					
24	{sic} indicates the text is as stated.					
25	Quoted text is as stated by the speaker.					

1 P R O C E E D I N G S

2 PRESIDING OFFICER WRIGHT: So good morning.

3 We're on the record in Docket No. EEP-2022-0150. My
4 name is Cecil Wright, and I've been appointed by the
5 Iowa Utilities Board to conduct this hearing today and
6 prepare a proposed decision and issue that. The date
7 is June 8, 2023, and the time is approximately 9 a.m.

8 I'll just start off with kind of the goals
9 of today. I've been told I need to finish this up in
10 one day, so I don't know how that affects your
11 questioning or whatever, but we will see.

12 To give you an idea, we have prefiled
13 testimony. I've been through the prefiled testimony.
14 I have Board staff to support me. They've been
15 through the prefiled testimony. So I expect your
16 questions today to be cross-examination questions and
17 not just a repetition of what was presented in your
18 prefiled testimony.

19 If the witnesses don't appear to be
20 answering the questions, I may step in and direct the
21 witness to answer the question. If they know the
22 answer, they can answer. If they don't, they don't.
23 I don't need the witnesses to repeat what they have
24 prefiled.

25 So that's just kind of to let you know so

1 we can move this along. I think with the number of
2 witnesses, we will be here all day. I'm just hoping
3 we don't have to go too far into the evening.

4 In our regular practice for the Board, we
5 take a break in the morning. We take a lunch break
6 somewhere between 12:00 and 2:00. Probably today
7 around sometime after 12:00, and then we'll come back
8 in an hour, and then we'll take an afternoon break and
9 see where we are and figure out how late we need to
10 go.

11 Hopefully, if you need to make plans for
12 that, you can plan accordingly. Of course, if we're
13 zooming right along, then it will be over, and you can
14 go home at the regular time.

15 So most of you know my background. I have,
16 I guess, you'd call an extensive background in public
17 utility regulation. I don't have a lot of background
18 with regard to energy efficiency programs.

19 It's been a while since I've been called to
20 an all-day hearing, but when I worked for the Missouri
21 Public Service Commission, this is what I did. I held
22 hearings. I may be a little rusty, but I think we'll
23 probably get through it, and we'll get your questions
24 asked and get the evidence into the record so that I
25 can write a proposed decision.

1 As I indicated, the purpose of the hearing
2 is to allow for cross-examination. As you know, we're
3 governed by 17A, the statute, and also 476.

4 Then the Board has rules. They have their
5 Chapter 7 rules with regard to proceedings, and they
6 have the Chapter 35 rules with regard to energy
7 efficiency.

8 So I will take appearances, and then we'll
9 go over some preliminary matters. Then we will begin
10 taking cross-examination.

11 So whenever I ask for appearances, if you
12 could indicate the order of your witnesses, that would
13 help, and for those of you who only have one, that
14 will be easy.

15 Okay. So we will begin, then, with
16 appearances. I've got my cheat sheet here, so if you
17 see me here shuffling papers, staff has prepared this
18 for me so I don't get lost.

19 Who appears for Interstate Power and Light?

20 MR. SOWDEN: Matt Sowden appears on behalf
21 of Interstate Power and Light. Today we have four
22 witnesses, and we will call them in this order: Amy
23 Ellsworth, then Aquila Velonis, then Kari Gehrke, and
24 Adrianna Iano.

25 PRESIDING OFFICER WRIGHT: Who appears for

1 the Office of Consumer Advocate?

2 MS. EASLER: Jennifer Easler and Jennifer
3 Johnson for the Office of Consumer Advocate. We will
4 call our witnesses in alphabetical order, and that's
5 Kruger, Munoz and Tessier.

6 PRESIDING OFFICER WRIGHT: You're testing
7 me this morning.

8 Who appears for LEG?

9 MS. VAN LOON: Haley Van Loon from the
10 BrownWinick Law Firm. Our sole witness is Dave
11 Vognsen.

12 PRESIDING OFFICER WRIGHT: Who appears for
13 the Iowa Business Energy Coalition?

14 MS. HERNDON: I'm Lynn Herndon from
15 Nyemaster Goode on behalf of IBEC, and with me is
16 IBEC's witness Robert Stephens.

17 PRESIDING OFFICER WRIGHT: I see also
18 listed on my cheat sheet Dustin Miller. Is he not
19 appearing today?

20 MS. HERNDON: He is not.

21 PRESIDING OFFICER WRIGHT: Okay.

22 Then who appears for Environmental Law and
23 Policy Center?

24 MR. MANDELBAUM: Josh Mandelbaum.

25 PRESIDING OFFICER WRIGHT: For the Iowa

1 Environmental Council?

2 MR. SCHMIDT: Michael Schmidt on behalf of
3 Iowa Environmental Council.

4 PRESIDING OFFICER WRIGHT: For my purposes,
5 will each of you cross-exam the witnesses, or do you
6 divide that up? How would you proceed?

7 MR. MANDELBAUM: We will probably not be
8 cross-examining. We are monitoring.

9 PRESIDING OFFICER WRIGHT: Okay. Thank
10 you.

11 Then also as a party to this case is the
12 Clean Energy Districts of Iowa, and I think they've
13 kind of put you in a difficult position,
14 Mr. Martin-Schramm. It's my understanding you're an
15 employee of CEDI; is that correct?

16 MR. MARTIN-SCHRAMM: I function as a
17 consultant with them. I have a title now, policy
18 analyst for Clean Energy Districts of Iowa, but you're
19 right, I'm not represented by legal counsel. CEDI is
20 not represented by legal counsel and, unfortunately,
21 our executive director is out of the country.

22 PRESIDING OFFICER WRIGHT: That's my
23 understanding. So my understanding of the
24 requirements for appearing at a hearing like this and
25 cross-examining witnesses is that you either be an

1 attorney or be approved by the Board or the presiding
2 officer to represent the company, but the Board rule
3 is that it's either an official of the company or
4 employee.

5 Since you do not meet any of those
6 criteria, I do not believe -- The way I'm going to
7 proceed -- and I've done this in other cases so
8 hopefully it works -- is if you do have a question for
9 a witness, I will ask you to tell me what that
10 question is, and then I will determine whether the
11 witness needs to answer or not.

12 MR. MARTIN-SCHRAMM: That's very fair. I
13 came today with the expectation I would not be
14 cross-examining witnesses but simply offering myself
15 as a witness for cross-examination.

16 PRESIDING OFFICER WRIGHT: Okay. That will
17 work. You're way ahead of me.

18 I think everyone here is familiar with how
19 the hearing works. We take the Interstate Power and
20 Light Company first and for cross-examination and any
21 questions I have, and then we take the witnesses from
22 the other parties. It's run pretty much like any
23 other court proceeding.

24 So I will go in the order, if that's okay,
25 that I went around and asked for appearances.

1 Do you have something?

2 MS. JOHNSON: I was going to ask about
3 preliminary matters. There are a couple outstanding.

4 PRESIDING OFFICER WRIGHT: Okay. I said
5 I've got my cheat sheet, so I'm going through it.

6 MS. JOHNSON: Okay.

7 PRESIDING OFFICER WRIGHT: So I think one
8 of the preliminary matters that I need to address is
9 the motion by OCA to accept cross-rebuttal testimony.
10 Do any of the parties wish to address that
11 motion?

12 MS. JOHNSON: Cecil, I want to say I know
13 that IBEC has filed a response to that motion stating
14 that it has no objection to allowing Mr. Munoz's
15 cross-rebuttal testimony, as long as Mr. Stephens may
16 have an opportunity to address anything, as needed, at
17 hearing.

18 OCA would like to go on the record today
19 saying we have no objection to that. If Mr. Stephens
20 needs to respond to anything in Mr. Munoz's
21 cross-rebuttal testimony, we have no objection.

22 PRESIDING OFFICER WRIGHT: Okay. I would
23 suspect that IBEC can handle that, if it comes to that
24 point.

25 So since I didn't hear any objections to

1 the motion, have the parties agreed to the admission
2 of all of the prefiled testimony including the
3 cross-rebuttal of OCA?

4 Mr. Sowden.

5 MR. SOWDEN: IPL has no objection.

6 PRESIDING OFFICER WRIGHT: Ms. Van Loon.

7 MS. VAN LOON: No objection.

8 PRESIDING OFFICER WRIGHT: Ms. Easler or
9 Ms. Johnson.

10 MS. JOHNSON: OCA has no objection.

11 PRESIDING OFFICER WRIGHT: Ms. Herndon.

12 MS. HERNDON: With the caveat we made in
13 our response, we have no objection.

14 PRESIDING OFFICER WRIGHT: I'm glad you
15 brought it up. I didn't think OCA was representing
16 you.

17 So if it is allowed, if we get to that
18 point and you feel like you need to have additional
19 direct examination, it will be limited to just the
20 issues that are raised by OCA in their cross-rebuttal,
21 okay?

22 MS. HERNDON: That is what we expected as
23 well. Thank you.

24 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum
25 or Mr. Schmidt.

1 MR. MANDELBAUM: No objection.

2 PRESIDING OFFICER WRIGHT: Okay.

3 And in the normal course, as we do when the
4 Board conducts the proceedings, if you reference an
5 exhibit or testimony, we'll try to put it up on the
6 screen and find the spot where you're referencing it.

7 So we have tech people here who will do
8 that. It may take a little bit, but we will proceed
9 with cross-examination on that information once we
10 have it up for everyone to see.

11 So if you have a hearing exhibit, the
12 normal procedure is we have someone who will collect
13 those from you and distribute them to the court
14 reporter and myself and the other parties.

15 Oh, there was one more thing. Let me find
16 it. I guess two things.

17 One is if there is confidential
18 information, we will hold all questions with regard to
19 confidential information until the end, and then we'll
20 go into closed session and address those.

21 I will expect, Mr. Sowden, for you to
22 indicate if you think a question or answer is going to
23 get into confidential information, and we can hold
24 that until later.

25 MR. SOWDEN: Yes, Your Honor.

1 PRESIDING OFFICER WRIGHT: And we'll
2 discuss briefs at the end of the hearing.

3 MS. VAN LOON: Your Honor, can I address
4 the confidential piece. We have a unique protective
5 agreement in this instance in which we only view
6 confidential information related to the electronic
7 side and not the natural gas side, so if a party is
8 going to bring up a confidential issue related to
9 natural gas, we would need to leave the hearing room.

10 PRESIDING OFFICER WRIGHT: Just remind me
11 of that, if we get to that point.

12 MR. SOWDEN: Yes, we will. There is a
13 likelihood that confidential information will not come
14 up in this hearing.

15 PRESIDING OFFICER WRIGHT: Well, I didn't
16 see a lot of testimony about the natural gas side, so
17 we'll see. If it does, just let me know, and we'll
18 make accommodations.

19 Okay. Do the parties have any preliminary
20 matters that I need to address?

21 Mr. Sowden?

22 MR. SOWDEN: No, Your Honor.

23 PRESIDING OFFICER WRIGHT: Okay.

24 Ms. Van Loon?

25 MS. VAN LOON: No, Your Honor.

1 PRESIDING OFFICER WRIGHT: Sorry. I'm out
2 of order, but I'll figure it out.

3 Ms. Easler or Ms. Johnson?

4 MS. EASLER: No, Your Honor.

5 PRESIDING OFFICER WRIGHT: Ms. Herndon?

6 MS. HERNDON: None.

7 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum
8 or Mr. Schmidt?

9 MR. MANDELBAUM: None.

10 PRESIDING OFFICER WRIGHT: Thank you.

11 I guess we're ready to take the first
12 witness.

13 MR. SOWDEN: Thank you, Your Honor.

14 Interstate Power and Light Company calls
15 Amy Ellsworth to the stand.

16 PRESIDING OFFICER WRIGHT: The witness
17 stand is right here (indicating).

18 THE WITNESS: Thank you.

19 PRESIDING OFFICER WRIGHT: I thought
20 everyone from IPL had been here before.

21 Please stand and raise your right hand.

22 AMY W. ELLSWORTH,
23 called as a witness by Iowa Power and Light Company,
24 being first duly sworn by Presiding Officer Wright,
25 was examined and testified as follows:

1 PRESIDING OFFICER WRIGHT: I don't know how
2 long you're going to be here, so I want you to be
3 comfortable.

4 THE WITNESS: Thank you.

5 PRESIDING OFFICER WRIGHT: Okay. So,
6 Mr. Sowden, let me say something first. If there are,
7 like, typos and things like that that need to be
8 corrected, if there's more than three or four, you
9 need to file those, and we don't need to go through
10 them here. Okay?

11 MR. SOWDEN: Understood, Your Honor. Thank
12 you.

13 PRESIDING OFFICER WRIGHT: Go ahead.

14 DIRECT EXAMINATION

15 BY MR. SOWDEN:

16 Q. Good morning, Ms. Ellsworth. Could you
17 please state your name and employer for the record?

18 A. Amy W. Ellsworth, and I work at The Cadmus
19 Group.

20 Q. What's your position with Cadmus?

21 A. I'm a principal there.

22 Q. Are you the same Amy Ellsworth who filed or
23 caused to be filed direct testimony in this
24 proceeding?

25 A. Yes.

1 Q. Do you have any changes or corrections to
2 your prefiled testimony?

3 A. No.

4 Q. If I were to ask you all the questions in
5 your testimony today under oath, would you give the
6 same answers?

7 A. Yes.

8 MR. SOWDEN: Your Honor, with the
9 understanding that Ms. Ellsworth's testimony has been
10 admitted into the record, Interstate Power and Light
11 Company tenders Ms. Ellsworth for questions from the
12 parties and the presiding officer.

13 PRESIDING OFFICER WRIGHT: Okay. Did we
14 admit all of them? I don't think I've admitted all of
15 them.

16 I asked if you had any objections, but I
17 don't think I admitted it. Based on there being no
18 objection to prefiled testimony, it's admitted into
19 the record. Thank you.

20 (All prefiled testimony of the witnesses
21 was admitted into the record.)

22 MR. SOWDEN: Thank you.

23 PRESIDING OFFICER WRIGHT: Ms. Easler or
24 Ms. Johnson?

25

1 CROSS-EXAMINATION

2 BY MS. EASLER:

3 Q. Good morning, Ms. Ellsworth.

4 A. Good morning.

5 Q. I want to start by directing you to your
6 direct testimony at page 5. At this point you're
7 discussing the Inflation Reduction Act on lines 13
8 through 15 and that it could potentially bring
9 benefits to IPL's customers and provide additional
10 incentive to adopt efficiency measures and brings
11 uncertainty.

12 By "uncertainty" you mean it's unclear how
13 the IRA-funded programs may affect some of IPL's
14 proposed programs; is that correct?

15 A. That's correct.

16 Q. On that same page, lines 18 through 20, you
17 state that, "a significant portion of the Inflation
18 Reduction Act calls for grants to be distributed to
19 state energy offices for the development of rebate
20 programs for whole-home retrofits (single-family and
21 multi-family) with the rebates doubled for qualifying
22 low- and moderate-income residents"; is that correct?

23 A. Correct.

24 Q. Are you aware of any significant grant
25 programs that have been developed for the Inflation

1 Reduction Act at this point?

2 A. Not yet, but DOE is in the process of
3 developing guidelines.

4 Q. So the uncertainty that you refer to in
5 your testimony continues to this time?

6 A. Correct, yes.

7 Q. And turning now to your reply testimony,
8 please -- page 2, at line 17 through 21 -- you
9 indicate that, "The injection of IRA (Inflation
10 Reduction Act) dollars will be beneficial in terms of
11 the promotional value for IPL's programs and is likely
12 to expand the reach of services and support available
13 for low-income customers."

14 If, as a result of IRA-funded programs,
15 certain IPL's program see an increase in participation
16 and the rate and support expands, as you suggest,
17 would IPL review those programs?

18 A. Yeah, I expect so.

19 Q. And how often would that review occur?

20 A. Well, IPL is required to conduct
21 third-party EM&V once for each program in the
22 five-year period. So at a minimum once, but I
23 anticipate -- They're constantly monitoring the
24 programs to make sure that they're, you know, coming
25 in around the expected level of participation, so

1 ongoing.

2 Q. Do you participate in the development of
3 the annual report information that IPL prepares for
4 its energy efficiency programs each year?

5 A. I do not.

6 Q. Do you know whether IPL would be reporting
7 on Inflation Reduction Act impacts through those
8 recording processes?

9 A. I don't think that's been determined yet.

10 Q. Okay. Is that something I should take up
11 with Ms. Gehrke, would you say?

12 A. Yes.

13 Q. On page 10 of your reply testimony, lines
14 10 through 12, you suggest that the amount of funding
15 available annually through the IRA will not have a
16 significant material effect on IPL's plan, and on
17 page 2 of your reply testimony, line 15, you figure
18 that the funding available to IPL's customers would be
19 about \$4 to \$5 million dollars each year; is that
20 accurate?

21 A. That was a rough calculation, based on the
22 information we have available, yeah.

23 Q. Is it your position that the \$4 to \$5
24 million IPL customers could see each year as a result
25 of IRA-funded programs is not substantial enough to

1 make a material difference in the long-term costs or
2 benefits of IPL's plan?

3 A. We don't really know yet because we don't
4 know what the -- what the structure of those
5 incentives is going to look like, but, you know, 4 to
6 5 million is a pretty small amount of money when you
7 compare it to the overall budget that's being
8 allocated for these programs.

9 So that's, you know, an estimate.

10 Q. And assuming your figures are fairly close
11 to what results in the \$4 to \$5 million available to
12 IPL customers, those funds would be primarily targeted
13 to low-income customers; is that correct?

14 A. That is my understanding, yes.

15 Q. Okay. Would you consider the \$4 to \$5
16 million per year to be significant, as it relates to
17 IPL's low-income program?

18 A. It could be.

19 Q. What is the budget for that each year
20 approximately?

21 A. I'd have to look.

22 Q. Could you do that?

23 A. Yeah.

24 (Brief pause.)

25 Q. Do you know the annual budget?

1 A. Yes.

2 Q. Okay.

3 A. It is around just under \$3 1/2 million per
4 year. So yeah, that is significant.

5 Q. Would it potentially warrant the need to
6 evaluate the goals for these programs and IPL's plan
7 during the five-year plan?

8 A. It could. I mean, the goals were
9 established kind of in consideration of the historical
10 performance of the program and the capacity of the
11 existing CAP agency partnerships, et cetera. So it
12 certainly warrants a review to understand the
13 implications.

14 Q. The collaboration process involving the
15 stakeholders that, I think, is contemplated for the
16 Inflation Reduction Act, would it be appropriate in
17 that collaboration process to consider whether a
18 modification is needed?

19 A. Certainly to consider. I think that will
20 be up to the collaborative to determine once the rules
21 are out and we know more.

22 Q. I would like to show you an exhibit that's
23 marked OCA Hearing Exhibit 6. Rather, it should be
24 marked OCA Hearing Exhibit 6.

25 MS. EASLER: And for everybody's records,

1 this is IPL's Response to OCA Data Request No. 59.

2 PRESIDING OFFICER WRIGHT: While we're
3 passing it out, it's not actually marked so if
4 everyone wants to keep track of it, you may want to
5 mark it OCA Hearing Exhibit 6.

6 BY MS. EASLER:

7 Q. Have you seen this data request response
8 before, Ms. Ellsworth?

9 A. No.

10 Q. I will take that up with the author at the
11 appropriate time.

12 A. Okay.

13 PRESIDING OFFICER WRIGHT: Are you going to
14 ask Ms. Gehrke that?

15 MS. EASLER: Yes. It will still be
16 designated as our Hearing Exhibit 6, but I'll move it
17 through Ms. Gehrke.

18 PRESIDING OFFICER WRIGHT: Okay.

19 BY MS. EASLER:

20 Q. The plan allocation refers to IPL's
21 proposed expansion of the low-income authorization
22 program to what you identify now as limited-income
23 customers; is that accurate?

24 A. That's correct.

25 Q. And I believe in your plan it's referenced

1 as a pilot?

2 A. Correct.

3 Q. Okay. Are you familiar with the rules for
4 pilots here in Iowa or pilot programs?

5 A. Yes.

6 Q. Okay. Would you agree, subject to check,
7 that Board Rule 199 IAC 35.5(4)(h) requires a utility
8 proposed pilot to explore areas of innovation or
9 unproven approaches?

10 A. I'm not familiar with that section of the
11 Code.

12 Q. Okay. Turning to your reply testimony on
13 page 7, lines 8 through 10, you indicate that IPL's
14 limited-income component targets customers whose
15 incomes are between 200 percent and 300 percent of the
16 federal poverty level.

17 Are you aware of any programs in IPL's
18 earlier energy efficiency plans that targeted this
19 group of customers?

20 A. Yes. The Home Energy Savers Program from,
21 I think, two cycles ago.

22 Q. And are you aware that it was discontinued
23 due to cost-effectiveness considerations?

24 A. Yes, I am.

25 Q. Are you familiar with the Evaluation,

1 Monitoring and Verification report prepared by Itron
2 and filed in the plan when the last limited-income
3 program was offered?

4 A. Not in detail.

5 Q. Did you work on Evaluation, Monitoring and
6 Verification for IPL back in the 2014 to 2018 time
7 frame?

8 A. No, we've never been engaged as evaluation
9 consultants for IPL.

10 Q. I'm going to show you the report for this
11 particular program, and it should be marked OCA
12 Hearing Exhibit 9.

13 MS. EASLER: Actually, everybody should
14 mark their copies as OCA Hearing Exhibit 9.

15 BY MS. EASLER:

16 Q. My questions for you, Ms. Ellsworth, will
17 focus on pages 1112 and 1114 of that report. Could
18 you identify the title of the document?

19 A. Sure. "IPL Energy Efficiency 2014 Home
20 Energy Savers Program Evaluation."

21 Q. And on page 1112, could you please read the
22 highlighted portion of that exhibit?

23 A. "The Home Energy Savers Program is designed
24 to provide weatherization services to limited-income
25 customers who receive their electricity and heating

1 fuel from IPL and whose income is too high to qualify
2 for the state low-income weatherization program.
3 Specifically, customers in the HES program must have
4 income levels ranging from 200 percent to 300 percent
5 of the federal poverty level."

6 Q. Thank you. And then turning to page 1114,
7 would you please read the highlighted portion of that
8 page.

9 A. "There clearly is an opportunity and need
10 for expanding the program. However, this is also a
11 program that is less cost-effective than many others,
12 so any consideration of program expansion would need
13 to be carefully weighed against other expansion
14 opportunities and the portfolio's cost-effectiveness
15 in general."

16 Q. Thank you. That's all I have on that
17 particular Hearing Exhibit 9. Since you don't have
18 knowledge of it, I think I will enter that through
19 Ms. Gehrke as well.

20 I want to refer you now to Rebuttal
21 Exhibit 3 filed by CEDI, and that's the Clean Energy
22 Districts of Iowa. If you don't have it, this perhaps
23 can be displayed up on the screen. In particular, I'm
24 looking at CEDI Data Request 20. Thank you.

25 I apologize. The author for this request

1 is Mr. Velonis, but you're addressing the income
2 qualifying --

3 A. That's fine. I'll answer, if I can.

4 Q. I'll deal with the clean-up. It's already
5 in the record, so we're good. Okay.

6 In this data request Mr. Velonis provides
7 year-by-year budget detail for these programs, and
8 could you scroll down a bit on that detail? Okay.

9 So for the single-family low-income, we can
10 see what IPL is planning to spend for incentives and
11 all the various aspects in the plan administration and
12 program administration for this component. Please
13 scroll down further. Okay.

14 And then we see in Table 2 similar
15 additional detail is provided for the single-family
16 limited-income program.

17 Do you see that?

18 A. Yes.

19 Q. And keep scrolling down. Thank you.

20 Okay. And this last Table 3 shows
21 multi-family and institutional low-income spending
22 detail for that, the budget of that track of
23 participation; correct?

24 A. Correct.

25 Q. Will this level of detail be provided in

1 IPL's annual report information?

2 A. I think Ms. Gehrke could probably answer
3 that question better than I can.

4 Q. Okay. Will you be maintaining this level
5 of detail behind the scenes?

6 A. Cadmus works on the plan. We don't work on
7 the EM&V or the reporting process, so that's a good
8 question for Ms. Gehrke.

9 Q. You do, however, sponsor IPL's EM&V plan
10 for this pilot; correct?

11 A. Yes.

12 Q. And this is contained in the plan,
13 Exhibit 8, of IPL's application in this case?

14 A. Yes.

15 Q. I have one final hearing exhibit for you,
16 and please mark it as OCA Hearing Exhibit 10. This is
17 your testimony from the last energy efficiency plan
18 filing in 2018.

19 A. Okay. Thank you.

20 Q. If you would, turn to -- Well, I'll let you
21 identify the title of the document.

22 PRESIDING OFFICER WRIGHT: Can we wait
23 until we get it up on the screen?

24 MS. EASLER: Certainly. Sorry.

25 PRESIDING OFFICER WRIGHT: Is it there? Go

1 ahead.

2 BY MS. EASLER:

3 Q. Ms. Ellsworth, can you identify what this
4 document is?

5 A. Yeah. Reply testimony of Amy W. Ellsworth.

6 Q. So you are familiar with this document?

7 A. Well, I was five years ago.

8 Q. Okay. I understand. Turning to page 15,
9 I'm looking in particular at the question-and-answer
10 that occurs starting at line 11.

11 And in this portion of your testimony,
12 you're responding to OCA's recommendation for IPL to
13 devote more resources and future EM&V efforts to
14 analyze the various awareness efforts' ability to
15 drive actual program participation?

16 A. Correct.

17 Q. Okay. And could you refer also now to your
18 2023 testimony, reply testimony, page 12? At this
19 point of your testimony, are you responding to a
20 similar recommendation from OCA Witness Tessier?

21 A. Yes.

22 Q. In your 2018 testimony, lines 17 through
23 20, you make the point that Evaluation, Monitoring and
24 Verification is especially important for programs and
25 measures that may be falling short of their

1 participation targets, especially those that are
2 considered high-impact program measures. Is that
3 still your belief?

4 A. Can you repeat the question? I'm sorry.

5 Q. Sure. I'm referring to your 2018
6 testimony.

7 A. Yes.

8 Q. Lines 17 through 20.

9 A. Yep.

10 Q. At that point you're making the point that
11 Evaluation, Monitoring and Verification efforts should
12 focus on programs and measures that may be falling
13 short of their participation targets, especially those
14 considered high-impact programs and measures?

15 A. Yes.

16 Q. Do you still agree with that testimony?

17 A. Yes.

18 Q. I apologize for jumping you back to 2023.
19 We're still on your reply testimony on page 12, lines
20 18 through 21.

21 Your response to Mr. Tessier on this
22 similar topic, you note at this point that IPL
23 currently directs resources to analyze the
24 effectiveness of marketing efforts through both
25 internal tracking and, where appropriate, the efforts

1 of the third-party evaluation, monitoring and
2 verification contractor?

3 A. That's correct.

4 Q. With this testimony in mind and as the
5 person responsible for helping IPL in sponsoring its
6 EM&V plan, do you agree it's important for IPL to
7 track and report the performance of distinct
8 components of its Energy Efficiency Demand Response
9 for all its programs in its annual report?

10 A. Track the performance of the programs?

11 Q. Yes.

12 A. Yes, and typically performance is related
13 to participation. I think that's what you're getting
14 at.

15 Q. Right. It's important for the Board and
16 stakeholders to understand how the various tracks of
17 the program are performing in terms of spending, in
18 terms of participation relative to your budget and
19 goals for the program, would you agree?

20 A. Yes.

21 Q. And for IPL's Evaluation, Monitoring and
22 Verification Plan, in Exhibit 8 you don't break out
23 the low-income program from the limited-income
24 program; is that correct?

25 A. Correct. In the EM&V plan?

1 Q. Yes.

2 A. I don't believe so. I can double-check.

3 (Brief pause.)

4 A. Yeah, that is correct.

5 Q. So are you proposing to do a combined EM&V
6 for both of these tracks of programs?

7 A. So as I mentioned, Camdus does not perform
8 the EM&V for IPL's program. It's generally considered
9 a conflict of interest.

10 What we put in the Energy Efficiency Plan
11 is sort of a structure, right; a framework or broad
12 outline for conducting EM&V, and then it would be up
13 to the actual contractor that IPL hires to develop a
14 more specific plan for evaluating the programs, based
15 on the objectives of that evaluation.

16 Q. Sure, but are you saying in your exhibit
17 that you think this should be a combined EM&V analysis
18 for both of those tracts, the low-income and the
19 limited-income?

20 A. Not necessarily. You know, we don't get to
21 that level of detail.

22 Q. Okay. And those actual EM&V plans had to
23 be determined?

24 A. That's right.

25 MS. EASLER: Thank you. With that I would

1 move admission of OCA Hearing Exhibit 10.

2 (OCA Hearing Exhibit 10 was offered into
3 the record.)

4 PRESIDING OFFICER WRIGHT: Any objection to
5 the admission of OCA Hearing Exhibit 10?

6 MR. SOWDEN: IPL has no objection.

7 MS. VAN LOON: No objection.

8 PRESIDING OFFICER WRIGHT: Ms. Herndon?

9 MS. HERNDON: No objection.

10 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

11 MR. MANDELBAUM: No objection.

12 PRESIDING OFFICER WRIGHT: OCA

13 Exhibit No. 10 is admitted in the record.

14 (OCA Hearing Exhibit 10 was admitted into
15 the record.)

16 MS. EASLER: Thank you. OCA has no further
17 questions.

18 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

19 MR. SOWDEN: What about OCA Hearing Exhibit
20 9? We referenced OCA Hearing Exhibit 9 multiple
21 times. In fact, we had the witness read it.

22 MS. EASLER: That's correct. It's an EM&V
23 report from a prior plan.

24 I can move it at this time, if you don't
25 object?

1 MR. SOWDEN: I have no objection.

2 MS. EASLER: Okay.

3 (OCA Hearing Exhibit 9 was offered into
4 evidence.)

5 PRESIDING OFFICER WRIGHT: Any objections
6 to the admission of OCA Hearing Exhibit 9?

7 (No response.)

8 PRESIDING OFFICER WRIGHT: Hearing none,
9 OCA's Hearing Exhibit 9 is admitted into the record.

10 (OCA Hearing Exhibit 9 was admitted into
11 the record.)

12 PRESIDING OFFICER WRIGHT: Do you want the
13 same thing with 6, or do you want to wait?

14 MR. SOWDEN: We can wait for 6. Thank you.

15 PRESIDING OFFICER WRIGHT: Okay.

16 Ms. Van Loon.

17 MS. VAN LOON: No questions for this
18 witness, Your Honor.

19 PRESIDING OFFICER WRIGHT: Ms. Herndon?

20 MS. HERNDON: No questions for this
21 witness.

22 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

23 MR. MANDELBAUM: No questions.

24 PRESIDING OFFICER WRIGHT: So I have maybe
25 a couple, but first, explain your relationship to the

1 Energy Efficiency Plan that is being proposed.

2 I don't understand how you do EM&V and what
3 you do with regard to that.

4 THE WITNESS: So I wrote the plan. We work
5 with IPL to develop both the written report and the
6 calculations that are in the plan.

7 PRESIDING OFFICER WRIGHT: So then you
8 continue with the plan through the five years?

9 THE WITNESS: No. We provide -- Cadmus
10 provides some technical support to IPL, but our role
11 is generally limited to the planning process itself.

12 PRESIDING OFFICER WRIGHT: And then what's
13 your relationship to the EM&V?

14 THE WITNESS: So Cadmus is a nationally
15 known evaluation consulting firm; however, in Iowa and
16 some other states, it's considered a conflict of
17 interest to both design the programs and evaluate
18 them. So we are generally not involved in the EM&V
19 process in Iowa.

20 PRESIDING OFFICER WRIGHT: Then what does
21 the EM&V do that you don't do?

22 THE WITNESS: So the purpose of evaluation
23 is to determine generally do the energy savings and
24 demand reductions that are, you know, the utility's
25 goals, are they being met? Like, we quantify energy

1 savings.

2 And then there's generally a process on the
3 evaluation side where we're evaluating how well those
4 programs function and could they be improved, are
5 there barriers not being addressed and those kind of
6 things to try to optimize those programs to achieve
7 their goals.

8 PRESIDING OFFICER WRIGHT: So do you expect
9 IPL to conduct an EM&V somewhere during the five
10 years?

11 THE WITNESS: Yes. They're required to
12 conduct at least one round of EM&V for each program
13 during the five-year plan.

14 PRESIDING OFFICER WRIGHT: But you're not
15 involved in that, at least for now?

16 THE WITNESS: Correct.

17 PRESIDING OFFICER WRIGHT: So are you
18 involved, then, in making the determination of whether
19 a particular program is cost-effective?

20 THE WITNESS: Yes, we calculate
21 cost-effectiveness.

22 PRESIDING OFFICER WRIGHT: So as part of
23 your requirements or your relationship with IPL, if a
24 change is made to the plan that's being proposed, do
25 you go back, and are you the one that calculates

1 whether that is still cost-effective? Would that
2 change?

3 THE WITNESS: It could if there's going to
4 be a modification filed or something like that. They
5 could engage us to conduct another round of
6 cost-effectiveness.

7 That's why we sort of maintain a technical
8 assistance type of relationship with IPL.

9 PRESIDING OFFICER WRIGHT: What I'm talking
10 about is, the other parties have proposed several
11 changes to the plan.

12 THE WITNESS: Yes.

13 PRESIDING OFFICER WRIGHT: So have you gone
14 back and determined whether, if those proposals are
15 accepted, that plan is still cost-effective?

16 THE WITNESS: We have not done that
17 analysis.

18 PRESIDING OFFICER WRIGHT: Would that be
19 you or your company's job to do that?

20 THE WITNESS: If IPL elects to engage us to
21 do that, yes, we certainly can.

22 PRESIDING OFFICER WRIGHT: So that's not
23 part of what you're hired to do now?

24 THE WITNESS: Well, we are hired to help
25 with the planning process, which includes EM&V. So if

1 there was another, you know -- another -- a new plan
2 filed, we would probably do the cost-effectiveness
3 calculations, yes.

4 PRESIDING OFFICER WRIGHT: As of now you
5 have not done any calculations based upon any of the
6 other proposals that the other parties have made?

7 THE WITNESS: That's correct. Correct.

8 PRESIDING OFFICER WRIGHT: So I think
9 that's all I have.

10 Do you have any cross-examination [sic]?

11 MR. SOWDEN: I do have a couple redirect
12 questions.

13 PRESIDING OFFICER WRIGHT: Redirect, I
14 mean.

15 MR. SOWDEN: Can we pull up OCA Hearing
16 Exhibit 9, please?

17 REDIRECT EXAMINATION

18 BY MR. SOWDEN:

19 Q. Ms. Ellsworth, in OCA Hearing Exhibit 9,
20 can you look to the bottom left-hand corner and read
21 the date of this report?

22 A. March 31, 2016.

23 Q. Ms. Ellsworth, are you aware of a more
24 recent EM&V report that addresses the limited-income
25 done by Opinion Dynamics?

1 A. No, I'm not familiar. I think that has
2 been done, but I'm not familiar with it.

3 MR. SOWDEN: Thank you. I'll address it
4 with Ms. Gehrke.

5 PRESIDING OFFICER WRIGHT: Is that all?

6 MR. SOWDEN: Yes, Your Honor.

7 PRESIDING OFFICER WRIGHT: Thank you. You
8 may step down.

9 THE WITNESS: Thank you, Your Honor.

10 PRESIDING OFFICER WRIGHT: You can call
11 your next witness.

12 MR. SOWDEN: Thank you, Your Honor. One
13 second. I apologize.

14 IPL now calls Aquila Velonis to the stand.

15 PRESIDING OFFICER WRIGHT: Raise your right
16 hand.

17 AQUILA VELONIS,
18 called as a witness by Interstate Power and Light
19 Company, being first duly sworn by Presiding Officer
20 Wright, was examined and testified as follows:

21 PRESIDING OFFICER WRIGHT: Have a seat.
22 You may proceed.

23 MR. SOWDEN: Thank you, Your Honor.

24

25

1 DIRECT EXAMINATION

2 BY MR. SOWDEN:

3 Q. Good morning, Mr. Velonis. Could you
4 please state your name and employer for the record?

5 A. Aquila Velonis with The Cadmus Group.

6 Q. What is your position with Cadmus?

7 A. Principal.

8 Q. Are you the same Aquila Velonis who caused
9 to be filed direct and reply testimony in this
10 proceeding?

11 A. I am.

12 Q. Do you have any corrections or changes to
13 your prefiled testimony?

14 A. I do not.

15 Q. If I were to ask you all of the questions
16 in your testimony today under oath, would you give the
17 same answers?

18 A. I would.

19 MR. SOWDEN: Your Honor, with the
20 understanding that Mr. Velonis's prefiled testimony
21 has been entered into the record, Interstate Power and
22 Light Company tenders Mr. Velonis for questions from
23 the parties or you.

24

25

1 CROSS-EXAMINATION

2 BY MS. EASLER:

3 Q. Good morning, Mr. Velonis.

4 A. Good morning.

5 Q. You sponsored IPL's application plan,
6 Exhibit 1?

7 A. I do.

8 Q. You also sponsor the plan budget; correct?

9 A. I do, yes.

10 Q. According to --

11 MR. SOWDEN: Mr. Hearing Officer, can we
12 check to see if his microphone is on?

13 PRESIDING OFFICER WRIGHT: It has to be
14 pushed and green, and you have to kind of lean into it
15 so everyone can hear you.

16 THE WITNESS: Okay. Will do.

17 PRESIDING OFFICER WRIGHT: Okay.

18 BY MS. EASLER:

19 Q. According to IPL's plan application,
20 Exhibit 1, at page 28 -- they should be able to pull
21 it up for you, too, on the screen.

22 PRESIDING OFFICER WRIGHT: You should be
23 able to see it on your monitor, too.

24 MS. EASLER: Page 28, please. Thank you.
25 Perfect.

1 BY MS. EASLER:

2 Q. Okay. Section 3.2 discusses IPL's planned
3 savings and costs, and at this portion of the exhibit,
4 they're talking about the plan to spend \$236,724,318;
5 correct?

6 A. Correct.

7 Q. And has that budget number proposed by IPL
8 changed?

9 A. No, not that I'm aware of.

10 Q. Are you not planning to spend more for the
11 demand response programs?

12 A. Not that I'm aware of. This might be a
13 question for Ms. Gehrke.

14 Q. Are you aware of Ms. Gehrke's testimony in
15 this case? You did some analysis in your May 3rd
16 reply analyzing a new budget proposal.

17 A. In regards to the interruptible program?
18 Is that what you're referring to?

19 Q. Yes.

20 A. Okay. Thank you for clarifying.

21 Yes, this is the -- what you're seeing is
22 the planned budget without that examination of the
23 interruptible program, yes.

24 Q. Right. And do you know how much additional
25 spending IPL proposes each year for that interruptible

1 program?

2 A. Let me see if that was in my reply.

3 Q. It's not.

4 A. It's not? Okay. I don't know if I know
5 exactly that estimate.

6 I know that the amount -- Well, we might
7 have to revisit. I don't know.

8 Q. Okay. You provide ongoing technical
9 support for IPL's current energy efficiency programs;
10 is that correct?

11 A. I do.

12 Q. In this capacity do you assist with IPL's
13 preparation of the annual energy efficiency report
14 submissions?

15 A. I do.

16 Q. And you sponsor IPL's Assessment of
17 Potential analysis; is that correct?

18 A. I do. Our firm did not conduct the
19 potential, but I sponsor it.

20 Q. Moving to your direct testimony at pages 2
21 to 3, you discuss at this point how IPL has used the
22 Assessment of Potential for its planned development?

23 A. That's correct.

24 Q. And you state the assessment quantified the
25 amount of energy that could be saved in IPL's

1 territory under three potential scenarios?

2 A. That's correct.

3 Q. A reference an existing case and reference
4 a new and a high case?

5 A. That's correct.

6 Q. Are the new program elements described by
7 Witness Gehrke in her direct testimony the same as the
8 new programs considered in the Assessment of Potential
9 reference new case?

10 A. In the -- The new case, an Assessment of
11 Potential, it looks at existing programs and expanding
12 those measures within those existing programs. That
13 is the new scenario or the new case in the assessment.

14 The high scenario looked at new programs in
15 addition to the expansion of existing programs and new
16 measures.

17 Q. Can you talk about the new programs that
18 were examined in that high scenario?

19 A. In the high scenario, I can -- Let me refer
20 to the Assessment of Potential. Hold on.

21 (Brief pause.)

22 A. The new programs consist of mid-stream
23 programs and strategic energy management, I believe.

24 Q. Are those new programs for IPL?

25 A. The mid-stream program is currently under a

1 pilot, and the EM&V program is under the new plan.

2 Q. So it's an avenue for program
3 administration that IPL has been using in the current
4 plan; is that correct?

5 A. Under a pilot.

6 Q. Under a pilot?

7 A. Yes.

8 Q. And would that have been considered in the
9 reference case?

10 A. No, it would not.

11 Q. Okay. And did it consider the strategic
12 energy management program?

13 A. Both the strategic energy management and
14 the mid-stream programs were only -- my understanding
15 is only in the high scenario.

16 Q. And there are particular aspects of the
17 mid-stream that were kind of focused on for the new
18 program opportunity for IPL in the Assessment of
19 Potential?

20 A. In the Assessment of Potential, it
21 primarily focused on HVAC and lighting mid-stream.

22 Q. And it would be HVAC for the residential;
23 correct?

24 A. That's correct, and mid-stream lighting for
25 nonresidential.

1 Q. And the Assessment of Potential does not
2 consider the impacts of the Federal Inflation
3 Reduction Act; is that correct?

4 A. That's my understanding.

5 Q. Are you familiar with the Inflation
6 Reduction Act?

7 A. I'm not an expert, but I'm familiar, yes.

8 Q. Okay. Based on the type of incentives to
9 be provided in the Inflation Reduction Act and your
10 knowledge of IPL's plan, do you think the Inflation
11 Reduction Act could significantly increase the
12 achievable electric energy efficiency potential for
13 IPL's low- and moderate-income customers?

14 A. It wouldn't change the technical potential
15 available. It could change the rate of adoption and
16 the speed of which customers could participate.

17 So it's not going to change the technical
18 sort of potential available, but it could change the
19 speed of the adoption.

20 Q. And if it speeds the adoption rate, that
21 would increase the impacts of the spending that occur
22 in that particular aspect?

23 A. It could, yes.

24 Q. Okay. Section 4 of the application,
25 Exhibit 1, which is the main application, identifies

1 that the plan offers a range of programmatic options
2 that includes rebates, direct install measures, and
3 technical and technical assistance.

4 PRESIDING OFFICER WRIGHT: Wait just a
5 minute until we locate that. I'm sorry. Wait just a
6 minute while we locate that.

7 Do you have it? Okay. Go ahead.

8 BY MS. EASLER:

9 Q. Okay. I'm talking about that first
10 paragraph there and that the plan offers a range of
11 options, including technical assistance.

12 A. Yes.

13 Q. What type of technical assistance is
14 available to residential customers in the plan?

15 A. I believe there's technical assistance.
16 I'd have to refer -- I believe there's technical
17 assistance for -- I may not be the best person to
18 answer this question for low-income customers, but I
19 would have to confirm, and I'm referring to the energy
20 awareness and education program in particular there.

21 Q. So is there technical assistance in the
22 form of service that's available to customers to
23 assist with their understanding of maybe the decision
24 to implement a geothermal heat pump?

25 A. That's probably a question for IPL staff to

1 answer or Ms. Gehrke.

2 Q. I'm still in the application, Exhibit 1,
3 page 40, please, and I have a hearing exhibit. So
4 that will give you some time to get grounded.

5 MS. EASLER: This should be marked OCA
6 Hearing Exhibit 1. Could you scroll up a bit on page
7 40? Thank you. I'm sorry. Page 37.

8 BY MS. EASLER:

9 Q. So as I understand it, IPL will maintain
10 program operations and report program participation
11 benefits, costs and cost-effectiveness at the sector
12 level for the efficient products track?

13 A. In reference to the annual reporting?

14 Q. Yes.

15 A. Yes.

16 Q. So in looking at OCA Hearing Exhibit 1,
17 this is a subset of the annual report information. Do
18 you recognize that?

19 A. I do.

20 Q. Okay. So when we see, for example, on the
21 second page of that Appendix A, the impact analysis
22 breaks out the non-res and the residential
23 prescriptive rebates in terms of participation and
24 achievements relative to them as well as your spending
25 relative to plan?

1 A. That's correct.

2 Q. For the res and non-res sectors?

3 A. Yes. In this case it's both residential
4 and nonresidential as well.

5 Q. Would that level of detail continue to
6 accompany your reporting for the annual reports?

7 A. It may. It may be -- not be at a sector
8 level. It may be at the program level, but it could
9 be at the -- It's to be determined, I suppose.

10 Q. So it might be less detail than we're
11 seeing today about participation?

12 A. It will still have the same level of
13 granularity in terms of the program on a program level
14 certainly.

15 Q. And the program itself is what?

16 A. The programs in the new plan.

17 Q. Well, we're talking about the Efficient
18 Products Program; right?

19 A. Yes.

20 Q. And that is the type of details I'm asking
21 about in this question. Will we see this level of
22 detail for that?

23 A. If the Efficiency Products Program was
24 separated by sector?

25 Q. Yes.

1 A. I see. It certainly can.

2 Q. We will see it broken out by res and
3 non-res?

4 A. That is a determination that IPL will
5 ultimately have, but I know we can, we could.

6 Q. Okay. That's good to know.

7 And part of what you file each year is
8 cost-effectiveness results as well; right?

9 A. That's correct.

10 Q. And will you run cost-effectiveness results
11 for both the res and non-res parts of this program?

12 A. Separately?

13 Q. Yes, separately.

14 A. That is a good question. Again, that would
15 be under really the determination of how we are going
16 to run cost-effectiveness for the programs, if we're
17 going to break them out at a sector level.

18 Again, we could.

19 Q. Okay. And on the last page of OCA Hearing
20 Exhibit 1 is just an example -- I'm sorry for the size
21 of the font, everyone -- of the cost-effectiveness
22 analysis for a program that was provided in your most
23 recent filing, your most recent annual report?

24 A. Yes, this looks familiar.

25 Q. So you file that for all of the different

1 programs that IPL currently runs?

2 A. That's correct.

3 Q. Okay. Turning now to the plan application,
4 Exhibit 1, page 52, I'd like to talk now about the
5 Efficient Services Program. Can you go up just a bit?

6 For this program we have two sectors again,
7 residential and nonresidential, and four different
8 components of what today would be separate plans -- or
9 separate programs. I'm sorry.

10 So the components are Home Energy Reports,
11 Business Energy Solutions, Appliance Recycling and
12 Commercial New Construction. In the current plan
13 those would be separate programs?

14 A. In the current plan, yes, they would be
15 separate programs.

16 Q. Okay. And in what you're proposing, now
17 they're all a part of the Efficient Services Program?

18 A. That's correct.

19 Q. Okay. And so in the reporting that you
20 help IPL provide each year, the annual report, will we
21 be able to tell how much participation and savings
22 occurs in the Appliance Recycling component?

23 A. At the component level?

24 Q. Yes.

25 A. Yes, I believe that will be tracked. Yes.

1 Q. Will that be presented in the filing that
2 IPL makes for their annual report?

3 A. Upon confirmation with IPL, I suspect that.

4 Q. But you track that information?

5 A. That is typical information that is
6 provided to us for us to do our cost-effectiveness
7 analysis.

8 Q. Okay. You would also track that
9 information from the commercial new construction
10 separately?

11 A. That's also correct.

12 Q. You would track that separately for the
13 Business Energy Solutions?

14 A. Yes, as well as issue reports.

15 Q. And would you report those results
16 separately for the residential and nonresidential
17 sectors?

18 A. We can. If that data provided is to be
19 broken out by sector, it can be.

20 Q. And --

21 A. We have the data.

22 Q. Would you run cost-effectiveness analyses
23 for each of these separate components?

24 A. The inputs for the separate components are
25 required to run cost-effectiveness. We would -- we

1 could have -- Yes, we could have.

2 Q. You can do it?

3 A. We can do it.

4 Q. Okay. Are you familiar with the
5 cost-effectiveness performance of these components
6 individually?

7 A. Not -- I have a general recollection of the
8 results, but I do not know the exact
9 cost-effectiveness.

10 Q. But you provided the cost-effectiveness
11 analysis in the company, IPL's plan; correct?

12 A. That's correct.

13 Q. All right. And are you aware of the
14 cost-effectiveness of the Home Energy Reports?

15 A. Of the exact number, no, but I know that
16 it -- that particular component did not pass the
17 societal cost test.

18 Q. Did it pass any of the cost tests?

19 A. I would have to refer.

20 Q. And I have that as the last page of OCA
21 Hearing Exhibit 1.

22 A. Okay. In the 2022 annual report, none of
23 the cost tests for homeowners -- it didn't pass it.

24 Q. That's consistent with my understanding.
25 Okay.

1 Ms. Ellsworth testified that the qualified
2 income programs, their budget each year is in excess
3 of 3 million?

4 A. As she testified earlier, yes.

5 Q. And the budget for the Home Energy Reports
6 is how much?

7 A. I'd have to refer.

8 (Brief pause.)

9 A. Thank you. I didn't have that in my
10 docket.

11 The Home Energy Reports budget is roughly
12 \$1 million per year.

13 Q. Okay. So over \$4 million of IPL's plan is
14 for noncost-effective programs; correct?

15 A. That's correct. For Home Energy Reports,
16 roughly \$5.2 million.

17 Q. 5.2 is the total, but I mean just in a
18 given year. So IPL's budget for residential?

19 A. I see.

20 Q. The residential plan is --

21 A. It's --

22 Q. -- about \$8 million?

23 PRESIDING OFFICER WRIGHT: Let her ask the
24 question before you respond, okay?

25 BY MS. EASLER:

1 Q. By my estimation IPL is proposing to spend
2 more than half of its residential budget on programs
3 that are not cost-effective?

4 A. On the residential sector without
5 confirming that exact value, yes.

6 Q. Subject to check?

7 A. Yes.

8 Q. And then I want to speed things along for
9 you. I don't know that you need to look at this
10 directly, but you can. It's Exhibit 2, page 49.

11 It talks about the Residential Behavioral
12 Program and then the Assessment of Potential. As I
13 understand it, the Residential Behavioral Program was
14 the Home Energy Report.

15 Is that consistent with your understanding?

16 A. The Residential Behavioral Program? That's
17 correct.

18 Q. And in the Assessment of Potential -- go up
19 just a little bit. Thank you.

20 Did that demonstrate a positive
21 benefit/cost result, and it was noted as exempt from
22 the Assessment of Potential Benefit-Cost Analysis
23 because it's an educational program; is that correct?

24 A. According to the Assessment of Potential,
25 that's what it says in the last sentence.

1 Q. Okay. And IPL does not offer the Home
2 Energy Reports or this behavioral program as part of
3 its Energy Awareness Program?

4 A. That's correct. It's in the services
5 program.

6 Q. Right. And the energy and awareness and
7 education plan, those are all exempt from
8 cost-effectiveness screens as well?

9 A. That's right; the educational components as
10 well as the low-income components.

11 Q. I'm getting close to the end. I want to
12 turn now to your application, Exhibit 3. That is the
13 analysis that you sponsored, the benefit/cost
14 analysis. I'm sorry. It's a really -- it's a big
15 exhibit to open, so it might take a moment to get it
16 popped up.

17 I'm particularly interested in the VC table
18 tab.

19 PRESIDING OFFICER WRIGHT: Why don't we go
20 off the record and make sure we get the right exhibit.

21 (Discussion was held off the record.)

22 PRESIDING OFFICER WRIGHT: Okay. Back on
23 the record.

24 BY MS. EASLER:

25 Q. Okay. On this tab -- you can kind of hang

1 right -- you show the portfolio results without IQ and
2 EA and with IQ and EA. Can you tell me what IQ and EA
3 are?

4 A. IQ is income qualified and EA is education
5 awareness.

6 Q. And those are programs that are not
7 required to be cost-effective under Iowa's policy;
8 correct?

9 A. That's my understanding.

10 Q. In looking at that, the exclusion of
11 noncost-effective programs from your benefit/cost
12 analysis tends to improve the overall portfolio
13 analysis; is that correct?

14 A. That is correct.

15 Q. I would like to show you a hearing exhibit.
16 It is marked OCA Hearing Exhibit 3. I'll let you
17 identify it once it's handed out.

18 Mr. Velonis, are you able to identify this?

19 A. Yes.

20 Q. What is OCA Hearing Exhibit 3?

21 A. This is a data request response, Data
22 Request No. 28.

23 Q. And you authored this response?

24 A. I did.

25 Q. Okay. In particular I'm interested in your

1 response in kind of the last sentence there or the
2 second-to-the-last sentence.

3 A. Yes.

4 Q. Okay. So you note the addition of labor
5 and operation costs to a program budget without
6 increasing savings benefits would lower
7 cost-effectiveness of the program; is that accurate?

8 A. That is accurate, to add more dollars and
9 not increase savings.

10 Q. Okay. And with that in mind, I'd like to
11 turn to your reply testimony at page 7. Okay. Scroll
12 down a bit.

13 So at this point in your testimony you're
14 talking about the updated benefit/cost analysis you
15 ran based on the new nonresidential demand response,
16 the additional spending for that program, for the
17 interruptible program?

18 A. That's correct.

19 Q. And you also filed an exhibit supporting
20 what you show here?

21 A. That's correct.

22 Q. So IPL is proposing to spend, subject to
23 check, about \$12 million additional per year on the
24 Non-Residential Demand Response Program?

25 A. Subject to check.

1 Q. And with that added operational cost, I was
2 somewhat expecting to see that the benefit/cost
3 results would go down, but they did not?

4 A. They did not, no. There are two reasons
5 for that.

6 First is that the avoided energy costs --
7 well, it was avoided capacity costs changed.

8 Q. Could you be specific?

9 A. That will -- I don't know exactly the
10 details off the top of my head here.

11 I know that that will be discussed in later
12 testimony with Adrianna.

13 Q. Adrianna Iano?

14 A. Yes.

15 Q. Okay.

16 A. The second component to this is that the --
17 this is an inclusion of both summer and winter
18 benefits, and the prior -- or the originally filed
19 document just looked at summer. So there were
20 additional benefits that were added.

21 Q. So are you modeling the same 149 customers
22 and interruptible capacity in your reply exhibit?

23 A. It's the same 149, but it also includes a
24 component or a number of the customers also
25 participating in the winter events. So there's

1 additional benefits associated with that.

2 Q. Are customers currently required to be
3 interrupted year-round, if IPL calls for an
4 interruption?

5 A. It's probably best answered by Ms. Gehrke.
6 She's more familiar with the program operation.

7 Q. Okay. So you're not as familiar with the
8 way the program operates?

9 A. Not as much as she is.

10 Q. Okay. So in your model you assumed you
11 were getting more capacity for the winter period than
12 you thought initially?

13 A. Initially we did not look at the winter
14 capacity benefits in the original plan.

15 Q. Okay. I think I'll leave it at that and
16 take it up with the next person.

17 MS. EASLER: I would move admission of OCA
18 Hearing Exhibit 1 and OCA Hearing Exhibit 3.

19 (OCA Hearing Exhibits 1 and 3 were offered
20 into evidence.)

21 PRESIDING OFFICER WRIGHT: Any objection to
22 the admission of OCA Hearing Exhibits 1 and 3?

23 MR. SOWDEN: IPL has no objection.

24 MS. VAN LOON: No objection.

25 PRESIDING OFFICER WRIGHT: When I ask and

1 if nobody responds, I will assume there is no
2 objection.

3 OCA Hearing Exhibits 1 and 3 are admitted
4 into the record.

5 (OCA Hearing Exhibits 1 and 3 were admitted
6 into evidence.)

7 MS. EASLER: I have no further questions.

8 PRESIDING OFFICER WRIGHT: Ms. Van Loon.

9 MS. VAN LOON: Thank you, Your Honor. I
10 actually have an exhibit.

11 PRESIDING OFFICER WRIGHT: So do you have a
12 hearing exhibit number for this?

13 MS. VAN LOON: This will be LEG 1.

14 PRESIDING OFFICER WRIGHT: Okay. You may
15 proceed.

16 MS. VAN LOON: Thank you, Your Honor.

17 CROSS-EXAMINATION

18 BY MS. VAN LOON:

19 Q. Mr. Velonis, do you recognize the response
20 to Large Energy Group Data Request No. 5?

21 A. I do.

22 Q. Are you the author of that response?

23 A. I am.

24 Q. Okay. I'd like to direct your attention to
25 the first paragraph under "Response," and in

1 particular the second sentence. Can you read that
2 second sentence to me? It begins, "The participant."

3 A. "The participant cost assumption (75
4 percent of incentives) represents the value of service
5 lost and transaction costs as part of being a demand
6 response participant during an event."

7 Q. Could you say more about what that means?

8 A. Certainly. So this a -- to account for the
9 loss of services or operational time that a facility
10 may be down during an event. So there may be loss of
11 service during a demand response event, and there
12 could be a cost associated to that.

13 So this is to account for those costs when
14 conducting the cost-effectiveness analysis.

15 Q. Thank you.

16 MS. VAN LOON: At this time I would move
17 for the admission of LEG Exhibit 1.

18 (LEG Hearing Exhibit 1 was offered into
19 evidence.)

20 PRESIDING OFFICER WRIGHT: Is there any
21 objection to LEG Hearing Exhibit 1?

22 (No response.)

23 PRESIDING OFFICER WRIGHT: Hearing none,
24 that exhibit is admitted into the record.

25

1 (LEG Hearing Exhibit 1 was admitted into
2 evidence.)

3 MS. VAN LOON: Thank you, Your Honor. I
4 have no further questions for this witness.

5 PRESIDING OFFICER WRIGHT: Okay.
6 Ms. Herndon.

7 MS. HERNDON: I have no questions.

8 MR. MANDELBAUM: No questions.

9 PRESIDING OFFICER WRIGHT: So I need to go
10 over the testimony with staff, so we'll take about ten
11 minutes, and I will see if I have any questions for
12 Mr. Velonis, okay?

13 So we're off the record.

14 (Recess taken.)

15 PRESIDING OFFICER WRIGHT: We're back on
16 the record. So I think we're at the point where if I
17 have any questions for Mr. Velonis, I think I'm going
18 to go back to the one I asked Ms. Ellsworth.

19 Have you done any updated or any analysis
20 of the cost-effectiveness of the program based upon
21 any of the proposed modifications or revisions that
22 are proposed by the other parties?

23 THE WITNESS: Only that I'm aware of in my
24 reply testimony relating to the interruptible program.

25 PRESIDING OFFICER WRIGHT: Okay. Would you

1 be the one to do that, if that's required?

2 THE WITNESS: I would.

3 PRESIDING OFFICER WRIGHT: Can you kind of
4 go back -- I know I asked Ms. Ellsworth, but can you
5 explain Cadmus's relationship to IPL and then your
6 relationship to the program yourself that's being
7 proposed?

8 THE WITNESS: Certainly. Cadmus and my
9 role for the plan is to -- I'm really the numbers guy.
10 So I provide the assumptions and calculations
11 associated to the cost-effectiveness. Our team is
12 putting together the budgets and the savings
13 projections for the plan.

14 PRESIDING OFFICER WRIGHT: And then what's
15 the relationship of the IPL witnesses or the IPL
16 personnel to what you do?

17 THE WITNESS: So in terms of the plan, as
18 well as ongoing, we work together in developing an
19 Energy Efficiency Plan. After the plan is finalized,
20 I provide technical support for program staff.

21 They may have some questions about the plan
22 or questions about any sort of -- it could be any sort
23 of technical question about a particular project that
24 they're working on, and I also am a member of the
25 technical reference committee that does the TRM, which

1 is a deemed a savings document that all the IOUs
2 follow.

3 PRESIDING OFFICER WRIGHT: And then you
4 have a continuing relationship with IPL; correct?

5 THE WITNESS: I do, yes.

6 PRESIDING OFFICER WRIGHT: If I understood
7 your response on cross-examination, you either develop
8 or you help with the annual report; is that correct?

9 THE WITNESS: I help with the
10 cost-effectiveness of the annual report. So IPL
11 provides us that prior year's participation, the
12 savings and the budget spent for that prior year, and
13 we run cost-effectiveness analysis on that to develop
14 the annual report.

15 PRESIDING OFFICER WRIGHT: Okay. If during
16 that period IPL decides to modify the plan, then you
17 would be the one to determine whether those
18 modifications are cost-effective?

19 THE WITNESS: Yes, that has happened in the
20 past.

21 PRESIDING OFFICER WRIGHT: Okay. I think
22 that's all I have.

23 Redirect?

24 MR. SOWDEN: Just a couple quick questions.

25

1 REDIRECT EXAMINATION

2 BY MR. SOWDEN:

3 Q. First, can we turn to Mr. Velonis's direct
4 testimony on page 2? Right there.

5 Mr. Velonis, when the Office of Consumer
6 Advocate was asking you questions, they asked you if
7 you sponsored the application, Exhibit 1, that is the
8 plan, and you said yes. Were you mistaken?

9 A. Yes. Thank you for clarifying.

10 Q. Thank you. So can you explain why the Home
11 Energy Reports doesn't pass cost-effectiveness?

12 A. I can. So the Home Energy Reports Program,
13 it's a behavioral-based program, and the lifetime
14 of -- well, the -- one of the primary reasons why it
15 does not pass is because the savings from a behavioral
16 response typically last about a year.

17 So compared to other energy efficiency
18 measures, those energy efficiency measures may last
19 multiple years. You know, ten or 15 years.

20 Since a behavioral response is a shorter
21 time frame, the benefits do not persist, and as a
22 result, the cost-effectiveness for Home Energy Reports
23 often -- it's not just IPL but often in other
24 jurisdictions -- Home Energy Reports are not
25 cost-effective.

1 Q. And so Home Energy Reports or programs like
2 that are typical programs used by other utilities
3 outside of just Interstate Power and Light Company?

4 A. That's correct.

5 Q. Then one final question. Is workforce
6 training cost-effective?

7 A. No.

8 MR. SOWDEN: Okay. Thank you.

9 PRESIDING OFFICER WRIGHT: I apologize, but
10 your redirect caused me to ask a couple more
11 questions.

12 THE WITNESS: Sure.

13 PRESIDING OFFICER WRIGHT: So can you
14 explain why the behavioral change is only for one
15 year? If someone -- maybe I've got behavioral and --
16 Let's go back.

17 What are the behavioral changes you expect?
18 Is that just people reducing their usage?

19 THE WITNESS: Yes, and it is through really
20 a sort of an educational component through either mail
21 or e-mail communications to the customers. It tends
22 to be sort of a comparative -- sort of a comparative
23 approach where, "Hey, your neighbor is essentially
24 consuming this much or neighbors essentially, and this
25 is where your home stacks up comparatively."

1 And so it can be informative for a customer
2 to want to either beat or try to lower their energy
3 use. There's also educational tips for customers to
4 lower their energy use.

5 But if those educational components do not
6 persist, if they end after a year or, you know,
7 there's less likely of a persistence of those energy
8 savings, you know, people may forget to do those
9 things in the future.

10 So it's -- As a conservative assumption,
11 one year is a value that we have used. There are
12 instances where you could assume maybe additional
13 years, one or two years of persistence, but considered
14 less, it's one year.

15 PRESIDING OFFICER WRIGHT: So the
16 behavioral aspect of it, then, is different than if
17 they went out and bought a more efficient air
18 conditioner?

19 THE WITNESS: Air conditioner, exactly. An
20 air conditioner will have an effective useful life of,
21 like, 15 years, so you can have savings persisting
22 that long.

23 PRESIDING OFFICER WRIGHT: Thank you.
24 That's all I had. You may step town.

25 THE WITNESS: Thank you.

1 PRESIDING OFFICER WRIGHT: You may call
2 your next witness.

3 MR. SOWDEN: Thank you, Your Honor.
4 Interstate Power and Light Company calls Kari Gehrke
5 to the stand.

6 PRESIDING OFFICER WRIGHT: Raise your right
7 hand.

8 KARI T. GEHRKE,
9 called as a witness by Interstate Power and Light
10 Company, being first duly sworn by Presiding Officer
11 Wright, was examined and testified as follows:

12 PRESIDING OFFICER WRIGHT: Have a seat.
13 You may proceed.

14 MR. SOWDEN: Thank you.

15 DIRECT EXAMINATION

16 BY MR. SOWDEN:

17 Q. Good morning, Ms. Gehrke.

18 A. Good morning.

19 Q. Could you please state your name and
20 employer for the record?

21 A. Kari T. Gehrke with Alliant Energy.

22 Q. And what is your position with Alliant
23 Energy?

24 A. I'm the manager of demand side management.

25 Q. Are you the same Kari Gehrke who filed or

1 caused to be filed direct and reply testimony in this
2 proceeding?

3 A. Yes.

4 Q. Do you have any corrections or changes to
5 your prefiled testimony?

6 A. No.

7 Q. If I were to ask you all the questions in
8 your testimony today under oath, would you give the
9 same answers?

10 A. Yes.

11 MR. SOWDEN: Your Honor, I do have one
12 question that would be additional direct, and it's
13 meant to correct an error in the record but an error
14 that has been repeated in others' testimony.

15 PRESIDING OFFICER WRIGHT: So is it an
16 error in today, or is it an error in prefiled?

17 MR. SOWDEN: No, it's an error in
18 surrebuttal testimony.

19 PRESIDING OFFICER WRIGHT: Okay.

20 BY MR. SOWDEN:

21 Q. In response of surrebuttal testimony in
22 Kruger, page 5, line 19 --

23 MS. EASLER: I'm sorry. What are you
24 referencing?

25 MR. SOWDEN: We're trying to correct an

1 error of fact that has been introduced in testimony.
2 It's not the fault of OCA's witness. It's the fault
3 of, I guess, an unclear response by IPL in a data
4 request, and we just want to correct it.

5 MS. EASLER: Okay.

6 PRESIDING OFFICER WRIGHT: Okay.

7 BY MR. SOWDEN:

8 Q. So on page 5, line 19 of OCA Kruger's
9 surrebuttal testimony, he references the number of
10 limited households IPL intends to serve over the life
11 of the plan.

12 PRESIDING OFFICER WRIGHT: Let us get that
13 up.

14 BY MR. SOWDEN:

15 Q. He also then references Clean Energy
16 Districts of Iowa's direct testimony, and that then
17 references a data request that was answered by
18 Interstate Power and Light Company.

19 Can you please clarify that number?

20 A. Yeah. In response to the CEDI data request
21 asking for participation levels, we provided one
22 number, 76, but didn't clarify it was annual
23 participation rather than the cumulative -- not the
24 cumulative plan participation as it was assumed by
25 Witness Martin-Schramm and further by OCA Witness

1 Kruger. We want to clarify it's 76 per year, not 76
2 for the total plan.

3 Q. So 76 times 5?

4 A. Correct.

5 MR. SOWDEN: Thank you. Your Honor, with
6 the understanding that Ms. Gehrke's prefiled testimony
7 has been admitted into the record, Interstate Power
8 and Light Company tenders Ms. Gehrke for questions
9 from the parties and the presiding officer.

10 PRESIDING OFFICER WRIGHT: Okay. Thank
11 you.

12 Ms. Johnson or Ms. Easler.

13 CROSS-EXAMINATION

14 BY MR. EASLER:

15 Q. Good morning, Ms. Gehrke. While it's still
16 fresh in my mind, I'd like to do some follow-up on
17 that point of clarification.

18 So you would be doing 75 homes for the
19 limited-income?

20 A. Seventy-six per year.

21 Q. Seventy-six per year. Okay. According to
22 the additional information supplied by IPL on
23 December 2, 2022, you provided eligible participation
24 data.

25 Do you recall that?

1 A. Not specifically, but --

2 Q. Okay. Would you accept, subject to check,
3 that IPL indicated it has 75,264 moderate to
4 low-income -- let's see. Well, I'll just let that
5 information speak for itself. Okay.

6 PRESIDING OFFICER WRIGHT: So is it in the
7 record?

8 MS. EASLER: Well, that's a good question.
9 It was filed, and it satisfies the minimum filing
10 requirement. I assume it's in the record.

11 MR. SOWDEN: IPL believes that became part
12 of the application because it was in response to staff
13 questions to meet the minimum filing requirements, so
14 yes, I would believe that it would be a part of the
15 record.

16 MS. EASLER: Okay. Good enough.

17 PRESIDING OFFICER WRIGHT: That's an
18 interesting question. So to make sure that at least
19 I'm satisfied, I will take what you're saying is it
20 was provided in response to an order of the Board; is
21 that correct? Is it filed --

22 MR. SOWDEN: It was a staff letter, I
23 believe.

24 PRESIDING OFFICER WRIGHT: A staff letter?

25 MR. SOWDEN: Yes.

1 PRESIDING OFFICER WRIGHT: Do you have the
2 date?

3 MR. SOWDEN: I can quickly get it.

4 PRESIDING OFFICER WRIGHT: Okay.

5 MR. BAKER: Your Honor, we believe the
6 staff letter was dated November 14th of 2022.

7 PRESIDING OFFICER WRIGHT: And the
8 response?

9 MR. BAKER: Staff believes the response is
10 December 2, 2022.

11 PRESIDING OFFICER WRIGHT: And those are in
12 the Electronic Filing System?

13 MR. SOWDEN: Yes.

14 PRESIDING OFFICER WRIGHT: Ms. Easler, if
15 you don't have objection, I'm going to take official
16 notice -- if nobody has an objection, I'll take
17 official notice of the documents to make sure if they
18 need to be referenced that they are in the record.

19 MS. EASLER: No objection.

20 PRESIDING OFFICER WRIGHT: Okay. I assume
21 no one else has an objection to that?

22 (No response.)

23 BY MS. EASLER:

24 Q. Ms. Gehrke, I'd like to take up some items
25 deferred to you by Ms. Ellsworth.

1 After we were discussing the uncertainty
2 associated with the Inflation Reduction Act-funded
3 programs, my question is: Do you think it would be
4 appropriate for IPL to report on the impacts of the
5 Inflation Reduction Act on Interstate's Energy
6 Efficiency Plan and programs?

7 A. I think to the extent that they're known to
8 us, that we could quantify them, that that would be
9 something we would include in the annual reports on an
10 ongoing basis to the extent we're able to quantify.

11 Q. Thank you. I also presented Ms. Ellsworth
12 with a document that was marked OCA Hearing Exhibit 6.
13 It's IPL's response to OCA Data Request 59?

14 A. Yes.

15 Q. You are the author of that data request?

16 A. Yes.

17 Q. Have you had an opportunity to review this
18 exhibit?

19 A. Yes.

20 Q. Does it appear to be a true and accurate
21 copy of your response to OCA's data request?

22 A. Yes.

23 MS. EASLER: I would move admission of OCA
24 Hearing Exhibit 6.

25

1 (OCA Hearing Exhibit 6 was offered into
2 evidence.)

3 PRESIDING OFFICER WRIGHT: Any objection to
4 the admission of OCA Hearing Exhibit 6?

5 (No response.)

6 PRESIDING OFFICER WRIGHT: Hearing none,
7 that exhibit is admitted into the record.

8 (OCA Hearing Exhibit 6 was admitted into
9 evidence.)

10 BY MS. EASLER:

11 Q. One other item I was discussing with
12 Ms. Ellsworth is whether it would be appropriate for
13 IPL to track and report the performance of distinct
14 components of your energy efficiency and demand
15 response portfolio in your annual filing.

16 A. Yes.

17 Q. And your answer to that question is yes?

18 A. I recall the question, and yes, it would be
19 our intention to continue to file a similar level of
20 detail as we do currently. It may be a mixture of
21 component and pathway to get the appropriate sort of
22 matching level of detail.

23 We haven't completed that full mapping
24 exercise yet, but we'd expect to have a check-in with
25 the parties to confirm everyone agrees that the level

1 of detail is appropriate.

2 Q. Okay. Thank you. Well, that speeds a lot
3 of things up.

4 Would that also extend to the
5 cost-effectiveness analysis that you supply? You
6 would provide that for the different components of
7 your program?

8 A. Yes, we would match with the impact it's
9 been reporting in detail.

10 Q. Okay. Great. All right.

11 Turning to your reply testimony at page 8,
12 you are discussing here the collaboration efforts that
13 IPL has been engaged in and the Energy Efficiency Plan
14 in the past. You note on page 9 that IPL sees great
15 benefit in these collaborations.

16 My question is: Would it be IPL's intent
17 to continue with these collaborative efforts?

18 A. Yes, I think to the extent that we have
19 participated in collaboration meetings, such as the
20 annual report in the fall operations and other topical
21 meetings as requested by the parties, that we would
22 continue to do so.

23 Q. And perhaps, you know, if there is a topic
24 like the IRA-funding opportunities and their impact on
25 IPL's programs, that that would maybe be a

1 collaboration, you know, that you wouldn't wait for
2 the parties to initiate?

3 I mean, that is something that will occur
4 regularly throughout your plan, would you imagine?

5 A. Well, I would imagine so, and I offer that
6 we've already commenced that activity between the
7 investor-owned utilities guided by the Iowa Utilities
8 Association and the cooperatives and municipalities
9 and Office of Consumer Advocate with the State Energy
10 Office. I would say that activity has already
11 commenced.

12 Q. Okay. So kind of a key item of importance
13 for the low-income programs is training of workforce
14 implementers and auditors who are able to deliver the
15 low-income programs. Would you agree?

16 A. Yes, that's been identified as a key
17 opportunity.

18 Q. And one of OCA's concerns expressed in its
19 testimony is, you know, we're concerned there isn't a
20 plan to do that training yet. Are you concerned about
21 the time it might take to develop that type of
22 curriculum?

23 A. I'm not concerned because I don't believe
24 the intention is to develop new curriculum but rather
25 to provide funding and support for additional training

1 that's already available rather than developing new
2 training curriculum. I think that is the direction
3 that the CAP agencies have suggested.

4 Q. So is this training that could have been
5 occurring this year?

6 A. I guess there's not a reason -- I don't
7 have a reason why we haven't started yet except that
8 the parties haven't come to an agreement yet. It's,
9 of course, a collaborative effort with IDHR.

10 MidAmerican is also participating, so it's
11 not a solo exercise for IPL.

12 Q. I have a hearing exhibit, and it is marked
13 OCA Hearing Exhibit 7. It's IPL's response to OCA
14 Data Request 55.

15 Ms. Gehrke, can you identify this document?

16 A. It's the OCA Data Request No. 55 and IPL's
17 response.

18 Q. Does this appear to be a true and accurate
19 copy of your response to this data request?

20 A. Yes.

21 MS. EASLER: I would move admission of OCA
22 Hearing Exhibit 7.

23 (OCA Hearing Exhibit 7 was offered into
24 evidence.)

25 PRESIDING OFFICER WRIGHT: Any objection to

1 OCA Hearing Exhibit 7?

2 (No response.)

3 PRESIDING OFFICER WRIGHT: Hearing none,
4 that exhibit is admitted into the record.

5 (OCA Hearing Exhibit 7 was admitted into
6 evidence.)

7 BY MS. EASLER:

8 Q. Exhibit 8 to your plan lays out a time line
9 for the EM&V; Evaluation, Monitoring and Verification
10 Plan?

11 A. Yes.

12 Q. Will IPL seek the input of interested
13 stakeholders in its selection of a vendor to provide
14 the EM&V work?

15 A. Well, IPL retains the ultimate
16 responsibility for selecting that vendor. I think it
17 has been our past practice to at least discuss with
18 the stakeholders, and we continue to follow past
19 practice.

20 Q. We asked about the performance or OCA asked
21 Interstate about the performance of IPL's program and
22 meeting savings goal for the agricultural customers.
23 This is OCA Data Request 56.

24 MS. EASLER: I will offer that as Hearing
25 Exhibit 5, and it needs to be marked as such.

1 (OCA Hearing Exhibit 5 was offered into
2 evidence.)

3 PRESIDING OFFICER WRIGHT: I apologize.
4 What hearing exhibit?

5 MS. EASLER: OCA Hearing Exhibit 5.

6 PRESIDING OFFICER WRIGHT: I notice it says
7 "Confidential/Trade Secrets" at the top. Is that just
8 a --

9 MR. SOWDEN: It is not confidential. If it
10 is confidential, IPL would mark that box.

11 PRESIDING OFFICER WRIGHT: Oh, I get it.
12 The box isn't marked. Okay.

13 Okay. Go ahead.

14 BY MS. EASLER:

15 Q. All right. Ms. Gehrke, does this appear to
16 be a true and accurate copy of your response to OCA
17 Data Request 56?

18 A. Yes.

19 Q. And on the last page of this document, you
20 show the budget and savings goals for the agricultural
21 sector?

22 A. Yes.

23 Q. Will this type of detail be continued to be
24 reported in your annual reports?

25 A. Yes.

1 Q. Thank you.

2 MS. EASLER: I move admission of OCA
3 Hearing Exhibit 5.

4 PRESIDING OFFICER WRIGHT: Any objections
5 to the admission of OCA Hearing Exhibit 5?

6 (No response.)

7 PRESIDING OFFICER WRIGHT: Hearing none,
8 that exhibit is admitted into the record.

9 (OCA Hearing Exhibit 5 was admitted into
10 evidence.)

11 BY MS. EASLER:

12 Q. Ms. Gehrke, I had some discussions in my
13 cross-examination of Mr. Velonis on the Home Energy
14 Reports. Because they are, you know, in the
15 Assessment of Potential, they were treated as
16 educational programs that would be exempt from
17 benefit/cost review.

18 I'm wondering if you can shed light on why
19 you're including that particular program in the
20 Efficient Services rather than including it in the
21 Education and Awareness tract where those programs are
22 exempt from benefit/cost review?

23 A. Would it be possible to put that potential
24 assessment sheet back up there?

25 Q. Sure. The Assessment of Potential is

1 Exhibit 2 at page 49.

2 A. I'm sorry. Can you scroll slightly up to
3 the -- So I would say the distinction for IPL and why
4 we would not move it down to an educational program is
5 that we claim savings for the Home Energy Reports,
6 which is why it has a cost-effectiveness score at
7 all.

8 All of the programs that we have in the
9 energy education and awareness we do not claim any
10 savings from, so that's why we've left it in the
11 Efficient Services. Even though it's a one-year
12 savings, you have to treat it as a one-year saving.

13 That's why we left it in services as
14 opposed to moving it into education. That's a general
15 distinction across the plan; anything that's the
16 claimed savings where we're calculating
17 cost-effectiveness and services as opposed to
18 education and awareness.

19 Q. Okay. It would be your intent to report
20 separately on the cost-effectiveness analysis for the
21 Home Energy Reports and the other residential
22 component of the Efficient Services that applies to
23 the cycle?

24 A. Yes.

25 Q. I would like to direct your attention now

1 to your energy efficiency application, Exhibit 1, at
2 page 41. This is regarding the smart thermostats.

3 I'm sorry. It's page 46.

4 A. Okay. Thank you.

5 Q. Maybe this isn't specific to smart
6 thermostats, this table. Is it?

7 A. No, it's not.

8 Q. Okay. There is a budget there for
9 installation, and I wondered if you could tell me what
10 that's used for.

11 A. One moment. I don't know without doing
12 some additional research exactly what that
13 installation line points to. Sorry.

14 Q. One of the stakeholders in the energy
15 efficiency collaboration leading up to your planned
16 filing had requested that installation be offered as
17 part of the smart thermostat product offering in your
18 plan.

19 Do you recall that?

20 A. I'm generally aware, yes.

21 Q. And you have not elected to make that
22 particular support available in your proposed program?

23 A. It's not available in the efficient
24 products or specifically in the demand response, but
25 we have proposed it in the income-qualified programs

1 to provide and install a smart thermostat in all of
2 homes that we treat, both single-family and
3 multi-family, with pre-enrollment and demand response
4 where applicable.

5 I think we haven't precluded the idea for
6 demand response if we aren't able to achieve the
7 participation numbers we're looking to get, but I
8 think it's a prudent first choice to offer the
9 incentives without installation and see if we can
10 achieve the goals, the participation goals
11 first.

12 Q. And the incentive you offer for the smart
13 thermostat is \$100; correct?

14 A. Under the products.

15 Q. Under the efficient products?

16 A. Correct.

17 Q. And that's a pretty significant incentive
18 in relation to the product cost, would you agree?

19 A. It is. We generally limit it to 50 percent
20 of the product cost outside of promotional periods,
21 but generally speaking, it's \$100 up to 50 percent of
22 the cost of the product.

23 Q. Do you have any sense of where this one
24 comes in in that range, the \$100 in relation to the
25 cost of a smart thermostat?

1 A. I think they can range from \$150 up to \$200
2 to \$250, depending on the brand and the unit. Each
3 brand has even some varying levels of units.

4 Q. And one other area of question that got
5 deferred to you came from Mr. Velonis. I think I
6 asked him about the plan application, Exhibit 1,
7 indicating that it offered technical assistance to
8 customers.

9 I asked him what type of technical
10 assistance is available to the residential sector.

11 A. Yeah. I'd suggest that the online home
12 energy assessments provide technical assistance to a
13 residential customer. It would provide
14 recommendations, based on their feedback, as to their
15 home heating and cooling system and opportunities that
16 they're interested in.

17 It would point back to IPL products either
18 in the mid-stream or on the marketplace that a
19 customer could select.

20 Q. Okay. But you don't offer an actual
21 service of helping a customer act on energy efficiency
22 options outside of that online information?

23 A. We do not have an in-person option, I mean,
24 other than if a customer would call into the Alliant
25 Energy Call Center. Certainly they have some

1 opportunity to walk customers through opportunities or
2 point them to different rebates, but, of course,
3 they're not typical experts.

4 Q. I saved the best for last. Demand
5 response, the interruptible program.

6 Your direct testimony at page 8, lines 9
7 through 15, is IPL's initial filing. It stands on the
8 interruptible credit; is that correct?

9 A. I think -- on page 11, if I track? Can you
10 point me to a page?

11 Q. I thought it was page 8. Were we there?

12 A. Oh, I'm sorry. Yes on page 8, line 9. I
13 see it now. Thank you.

14 Q. Okay. So at this point your filing did not
15 alter the interruptible credit; is that correct? Your
16 initial filing?

17 A. The initial filing followed what was filed
18 in the current heap, yes.

19 Q. And IPL's current interruptible credit is
20 based on the methodology that IPL proposed and the
21 Board accepted in your last Energy Efficiency Docket
22 No. 2018-0003?

23 A. Correct.

24 Q. This methodology incorporated a short-term
25 and long-term market value for capacity translated

1 into a monthly bill credit; is that correct?

2 A. Yes.

3 Q. The short-term value used in this
4 methodology was derived from MISO's capacity planning
5 reserve option price for 2018; is that correct?

6 A. It was derived from the forecast of what
7 the option would close at, not the actual option
8 close.

9 Q. The 2018 option?

10 A. I believe it was. At the time we were
11 using the forecast for the option as opposed to the
12 option close.

13 Q. The accepted methodology in that case
14 weighted the two capacity values at a ratio of 85:15,
15 given the majority of the wait for the longer-term
16 value of the demand response; is that correct?

17 A. Yes.

18 Q. And the 15 percent was the weighting for
19 the short-term capacity value; is that correct?

20 A. Correct.

21 Q. In the new interruptible credit that you
22 propose in your reply testimony on May 3rd, does that
23 incorporate a short-term capacity value?

24 A. It does not.

25 Q. Did IPL submit its proposed changes to the

1 interruptible tariff as part of its energy efficiency
2 filing?

3 A. We did not.

4 MS. EASLER: I would like to put in the
5 record your current tariff for the interruptible
6 service option, and please mark, everybody, this as
7 OCA Hearing Exhibit 8.

8 BY MS. EASLER:

9 Q. So I would note that IPL's current tariff
10 offers a credit level that factors in a summer and
11 winter credit rate; is that correct?

12 A. Yes.

13 Q. Turning to your reply testimony at page 4,
14 lines 11 through 14, at this point in your testimony
15 you estimate that the impact of this change will cause
16 the incentive budget to increase to approximately
17 \$28 million annually for the interruptible credit
18 program.

19 What incentive budget did IPL officially
20 propose for this program on an annual basis?

21 A. It was approximately 16 million.

22 Q. And how many customers are enrolled in the
23 current interruptible program approximately?

24 A. Mid-140s. It varies year by year a bit.

25 Q. And as I understood your reply testimony at

1 page 4, lines 1 through 4, you don't expect the
2 increased credit to change participation in the
3 program?

4 A. I don't expect the number of customers to
5 change, no, not necessarily.

6 Q. Do you propose to make any changes to the
7 tariff operating procedures for the program, and
8 that's the decision rules that are on page 2 and 3 of
9 the exhibit I distributed?

10 A. We do not.

11 Q. You don't propose any other substantive
12 changes to the tariff terms?

13 A. I think the different changes were the
14 credit level of summer and the winter firm and
15 extending the period of the contract from three years
16 to five years but not the conditions of which an
17 interruptible would be called.

18 Q. Customers can leave the program under the
19 same terms as they can today?

20 A. Correct.

21 Q. And you don't propose to change the
22 applicable penalty for not responding to an
23 interruption call?

24 A. We have not proposed that at this time.

25 Q. Are the costs of the interruptible credit

1 borne by all of IPL's customer classes, not just the
2 large general service class that's eligible to
3 participate in this?

4 A. That's correct. All customers benefit from
5 the Demand Response Program, so all of the programs
6 are socialized across all customer classes.

7 Q. Would you accept, subject to check, that
8 the residential class is responsible for about
9 one-third of this cost?

10 A. Subject to check.

11 Q. And I got that from the application;
12 Exhibit 10, Tab A-1.

13 A. Okay.

14 Q. And the large general service and bulk
15 class bears slightly less than 50 percent of the cost,
16 subject to check?

17 A. Subject to check.

18 Q. Given ongoing rate pressure concerns for
19 your customers, are you concerned about the higher
20 credit levels, which will serve only to add to the
21 rate burdens of the approximately 175,000 of IPL's
22 customers who are identified as low-income or
23 moderate-income?

24 A. No. I believe the benefits of the program
25 even at the new credit levels still exceed the cost.

1 So this will be a benefit to all customers despite the
2 increase in the credit level and the cost of the
3 program.

4 MS. EASLER: Okay. That's all I have.

5 I would move admission of OCA Hearing
6 Exhibit 8.

7 (OCA Hearing Exhibit 8 was offered into
8 evidence.)

9 PRESIDING OFFICER WRIGHT: Any objection to
10 the OCA Hearing Exhibit 8?

11 (No response.)

12 PRESIDING OFFICER WRIGHT: Hearing none,
13 it's admitted into the record.

14 (OCA Hearing Exhibit 8 was admitted into
15 the record.)

16 Ms. Van Loon. She just --

17 MS. EASLER: I'm sorry. Did I get OCA
18 Hearing Exhibit 5 admitted already?

19 PRESIDING OFFICER WRIGHT: Yes.

20 MS. EASLER: Okay. I do have just two more
21 hearing exhibits, and I'll distribute those together,
22 and we'll move through them quickly. They're marked
23 already.

24 One is OCA Hearing Exhibit 2, and the other
25 is OCA Hearing Exhibit 4.

1 (Brief pause.)

2 PRESIDING OFFICER WRIGHT: You may proceed.

3 BY MS. EASLER:

4 Q. Ms. Gehrke, can you identify what's been
5 marked as OCA Hearing Exhibit 2?

6 A. OCA Data Request 12, and IPL's response.

7 Q. Does this appear to be a true and accurate
8 copy of your response to this data request?

9 A. Yes.

10 MS. EASLER: I move admission of OCA
11 Hearing Exhibit 2.

12 (OCA Hearing Exhibit 2 was offered into
13 evidence.)

14 PRESIDING OFFICER WRIGHT: Any objection?
15 (No response.)

16 PRESIDING OFFICER WRIGHT: Hearing none, it
17 is admitted into the record.

18 (OCA Hearing Exhibit 2 was admitted into
19 evidence.)

20 BY MS. EASLER:

21 Q. Can you identify OCA Hearing Exhibit 4?

22 A. Yes. OCA Data Request 33 and IPL's
23 response.

24 Q. Does this appear to be a true and accurate
25 copy of your response to this data request?

1 A. Yes.

2 Q. So in reviewing your response to Data
3 Request No. 33, does this constitute the entirety of
4 your evaluation for the data center pilot?

5 A. I believe this data request is in reference
6 to the transmission and distribution optimization and
7 loss reduction pilot.

8 Q. Okay.

9 A. So no.

10 Q. Does it constitute your EM&V for the
11 optimization pilot?

12 A. Yeah. This pilot was not subject to the
13 third-party EM&V. It was done with internal IPL
14 engineering resources, so, yes, it continues the full
15 evaluation of the pilot project.

16 Q. Okay. So the details of your EM&V plan are
17 not known for sure today; is that correct?

18 A. Right. I think we provided the general
19 structure in the plan, but once we select the
20 third-party consultant, we'll develop the details that
21 will work.

22 Q. At some point will you file that plan with
23 the Board?

24 A. Let me refer to the schedule. I don't
25 believe we actually filed a plan with the Board, but

1 we do review the final plan with the parties.

2 Then the Board -- I believe we're directed
3 in the rules to provide the output of the EM&V, the
4 report for that, that comes from it.

5 Q. Part of the concern with that approach is
6 we don't know what the plan is today and can't really
7 work out those details with you. Would you agree that
8 that's the situation we're in?

9 A. I agree. That level of detail isn't
10 currently available.

11 Q. Would IPL be willing to file that plan when
12 it is completed?

13 A. If the Board requested us to do so, but as
14 outlined in this plan, the parties have multiple
15 opportunities for input. So, you know, we aren't
16 doing it in isolation.

17 MS. EASLER: Fair enough. Thank you.
18 That's all I have.

19 I would move admission of -- if I haven't
20 already -- Hearing Exhibit 4.

21 (OCA Hearing Exhibit 4 was offered into
22 evidence.)

23 PRESIDING OFFICER WRIGHT: Any objection to
24 the admission of OCA Hearing Exhibit 4?

25 (No response.)

1 PRESIDING OFFICER WRIGHT: Hearing none, it
2 is admitted into the record.

3 (OCA Hearing Exhibit 4 was admitted into
4 evidence.)

5 MS. EASLER: Thank you.

6 PRESIDING OFFICER WRIGHT: Now
7 Ms. Van Loon.

8 CROSS-EXAMINATION

9 BY MS. VAN LOON:

10 Q. Ms. Gehrke, could you please direct your
11 attention to page 3 of your reply testimony,
12 specifically lines 3 through 5?

13 A. Okay. I'm there.

14 Q. I believe in this section of your testimony
15 you're describing discontinuing the seasonal peak
16 discount; is that correct?

17 A. Yes.

18 Q. How do interruptible customers currently
19 see this discount on their bills?

20 A. Well, I would not say it is a discount on
21 their bill, but if you would take a look at the
22 exhibit that OCA offered on the current tariff, the
23 coincident peak, you see the credit calculation for
24 summer of 537 and winter at 346, that is a ratio of
25 what the full -- I think in the \$7 range, if you take

1 the full calculation of 85 percent of CONE and 15
2 percent of the market rate.

3 So I guess in my terms I translated that
4 into a coincident peak discount in those seasons.

5 Q. Is another way to express it that it
6 reflects a reduction in the interruptible credit rate?

7 A. Yes.

8 Q. Is it correct that the current
9 interruptible rate is applied to the difference
10 between a customer's maximum monthly demand and their
11 firm contract demand?

12 A. Yes.

13 Q. And is it also true that a customer's
14 monthly maximum demand may not necessarily be the
15 demand that they're operating at when an interruption
16 is called?

17 A. That's true.

18 Q. Would you agree with me that as a member of
19 the MISO market, IPL has to demonstrate its ability to
20 meet its demand plus a planning reserve margin at the
21 time of MISO system peak?

22 A. I'm not a MISO expert, but that's my layman
23 understanding.

24 Q. Okay. Is there anyone else who is a
25 witness today for IPL who would be better suited to

1 answer that question, or would you be the best-suited
2 among the four?

3 A. Among the four, I would be the best-suited.

4 Q. Okay. Same page of your reply testimony,
5 but this time if you could direct your attention to
6 lines 16 through 22, please.

7 PRESIDING OFFICER WRIGHT: Give us a second
8 to get there. Is that it (indicating)?

9 MS. VAN LOON: Back to the reply testimony
10 on page 3.

11 BY MS. VAN LOON:

12 Q. I believe in this portion of your testimony
13 you reference allowing customers to set seasonal, firm
14 contractual demand levels in alignment with IPL's two
15 general service tariff pricing seasons; is that
16 correct?

17 A. That's correct.

18 Q. My understanding is that under MISO
19 seasonal construct, there are four seasons. Is that
20 your understanding as well?

21 A. Yes.

22 Q. And that under that construct, IPL has to
23 have sufficient resources for each MISO season to
24 cover the forecasted load; is that correct?

25 A. Yes.

1 Q. Does IPL's high-load factor, large-volume
2 tariff have seasonal prices?

3 A. I am not aware of the rates for that
4 tariff.

5 Q. Okay. So your answer isn't no; your answer
6 is "I don't know"?

7 A. I don't know.

8 Q. Okay. Do you know of any reason why, such
9 as a MISO or a NERC limitation, that would prohibit
10 customers from having contract demands that align with
11 MISO's four seasons?

12 A. I'm not aware of any.

13 Q. Okay. Would your billing system support
14 such a construct?

15 A. I think it would be possible, although it
16 would be, obviously, more work to have four seasons
17 rather than two, but I think it would support it, yes.

18 Q. And I understand your billing system has
19 been, I'm going to say, overhauled. I don't know if
20 that's what you would say about it.

21 A. We have a new billing system.

22 Q. Okay. And what do you think would be
23 involved in creating that functionality, if you know?

24 A. Well, they would have to reset that credit
25 level for each season. It would be some amount of

1 input and testing to confirm that it was correct and
2 that it flowed through on the customer bills properly.

3 Q. If you could now turn the page to number 4
4 of your reply testimony, specifically lines 11 through
5 14, I think you responded to a couple questions from
6 Ms. Easler on this section of your testimony.

7 So my understanding is you reference that
8 IPL's revised proposal for the interruptible credits
9 will increase the interruptible incentive budget to
10 \$28 million annually. Is that the correct number?

11 A. Yes.

12 Q. I'm not quite sure where it is in front of
13 you, but there should be LEG Exhibit 1, or it will
14 come up on the screen. Just for your reference,
15 that's a DR report, LEG DR No. 5.

16 I believe you were in the hearing room when
17 I asked Mr. Velonis about this exhibit; is that right?

18 A. Yes, that's right.

19 Q. And specifically I talked to Mr. Velonis
20 about the fact that participant costs are assumed to
21 be 75 percent of incentive costs.

22 Do you recall that?

23 A. Yes.

24 Q. Do you agree with Mr. Velonis's testimony
25 on that item?

1 A. I defer to his expertise in the California
2 Standard Practice Manual.

3 Q. So no disagreement?

4 A. No.

5 Q. If 75 percent of the proposed 28 million in
6 interruptible incentives is considered participant
7 cost, would that mean the total is approximately 21
8 million, subject to check?

9 A. Yeah. Aside from the math, I think you can
10 break out the incentive cost into different parts for
11 purposes of the benefit/cost calculation.

12 So I don't think I would say that lowers
13 the incentive cost to 21 million or whatever number
14 you provided, but I am not an expert at
15 cost-effectiveness tests.

16 Q. Based upon your experience and knowledge of
17 the Demand Response and Energy Efficiency Program, do
18 customers participate in these programs if their cost
19 to participate exceeds the value they receive from the
20 programs?

21 A. I would expect no.

22 MS. VAN LOON: No further questions, Your
23 Honor.

24 PRESIDING OFFICER WRIGHT: Ms. Herndon.

25

1 CROSS-EXAMINATION

2 BY MS. HERNDON:

3 Q. Good morning, Ms. Gehrke.

4 A. Good morning.

5 Q. I just have one question. In the 2018
6 proceeding, in your reply testimony you had stated
7 that IPL uses the full nameplate capacity of the
8 aggregate demand response resources in long-term
9 resource planning.

10 I might have missed it, but I didn't see it
11 in your testimony this year. Is that the case for
12 this application this year as well?

13 A. Yes, we're still following that practice.

14 MS. HERNDON: That's all I have. Thank
15 you.

16 PRESIDING OFFICER WRIGHT: Thank you.

17 MR. MARTIN-SCHRAMM: Your Honor?

18 PRESIDING OFFICER WRIGHT: Do you have a
19 specific question you would like to address to this
20 witness?

21 MR. MARTIN-SCHRAMM: Yes, if that's all
22 right.

23 PRESIDING OFFICER WRIGHT: You need to tell
24 me what that is.

25 MR. MARTIN-SCHRAMM: Earlier in

1 Ms. Gehrke's testimony in response to Mr. Sowden she
2 clarified the 76 customers was per year, and that was
3 in reference to a data request the Clean Energy
4 Districts of Iowa filed with IPL, which Ms. Gehrke
5 responded to.

6 Ms. Gehrke clarified 76 per year and not
7 over the whole five-year life of the plan. My
8 question to her would be: Does that apply to the
9 other two lines in that? So there's 760 for
10 low-income customers and 76 for the multi-family and
11 the institutional low-income?

12 PRESIDING OFFICER WRIGHT: Do you have a
13 reference for that?

14 MR. MARTIN-SCHRAMM: It's CEDI data
15 request --

16 PRESIDING OFFICER WRIGHT: Is it an exhibit
17 in your testimony?

18 MR. MARTIN-SCHRAMM: Yes, it is an exhibit
19 in my testimony. It's Martin-Schramm Direct. It's
20 IPL to CEDI, Data Request 10.

21 PRESIDING OFFICER WRIGHT: What's the
22 exhibit number?

23 MR. MARTIN-SCHRAMM: It's probably number
24 1. I apologize. Yes, it's CEDI Exhibit No. 1, IPL
25 Response to Data Request 5 [sic].

1 PRESIDING OFFICER WRIGHT: Okay. Let us
2 find that.

3 So if you look at the screen, is that what
4 you're referencing?

5 MR. MARTIN-SCHRAMM: Just one moment. I
6 apologize. It might be easier to look at it on paper.

7 PRESIDING OFFICER WRIGHT: I think we want
8 to look at the response.

9 MR. MARTIN-SCHRAMM: It's CEDI Data Request
10 10, and Ms. Gehrke's response is on the -- I think the
11 third page of the three-page document. There it is.

12 So she clarified on the second bullet that
13 it's 76 times 5, so 76 per year. I just want to find
14 out if that's the case for the first bullet and the
15 third bullet, 760 times 5.

16 PRESIDING OFFICER WRIGHT: Okay. Do you
17 understand the question?

18 THE WITNESS: I do.

19 PRESIDING OFFICER WRIGHT: Do you have a
20 response?

21 THE WITNESS: That's correct. It's annual.

22 MR. MARTIN-SCHRAMM: Can I ask one more
23 question?

24 PRESIDING OFFICER WRIGHT: What is it?

25 MR. MARTIN-SCHRAMM: The request for the

1 first bullet there, single-family low-income. These
2 are all households that would be served through IPL's
3 participation with the State Weatherization Assistance
4 Program?

5 PRESIDING OFFICER WRIGHT: Say that again.

6 MR. MARTIN-SCHRAMM: So the first bullet in
7 the single-family low-income, the 760 per year, this
8 is the estimated number of households that IPL will
9 serve per year through their participation in the
10 State of Iowa's Weatherization Assistance Program?

11 PRESIDING OFFICER WRIGHT: Do you
12 understand that question?

13 THE WITNESS: Yes.

14 PRESIDING OFFICER WRIGHT: Do you have a
15 response?

16 THE WITNESS: Yes.

17 PRESIDING OFFICER WRIGHT: You may respond.

18 THE WITNESS: Yes, it accounts for the IPL
19 federal bundling for the Federal Weatherization
20 Assistance Program.

21 MS. VAN LOON: Your Honor, apologies. I
22 should have noted this earlier.

23 I have a couple questions for Ms. Gehrke
24 that are confidential that would need to be taken up
25 in confidential sessions because they involve an

1 exhibit marked as confidential.

2 PRESIDING OFFICER WRIGHT: Okay. I'm
3 looking at my notes. It will be just a minute.

4 (Brief pause.)

5 PRESIDING OFFICER WRIGHT: Okay. You were
6 here and heard my questions about doing a cost/benefit
7 analysis, updating it depending on some of the
8 proposed modifications to the EEP plan that is being
9 proposed by IPL.

10 THE WITNESS: Yes.

11 PRESIDING OFFICER WRIGHT: Can IPL
12 employees do any of that updating or cost/benefit
13 analysis?

14 THE WITNESS: We, generally speaking, do
15 not perform cost/benefit analysis on proposals from
16 the parties unless the Board would direct us to do so,
17 if the Board would choose one of the parties'
18 proposals over what we had put forward in the plan.

19 Generally speaking, the parties don't
20 always provide enough information to provide a full
21 cost/benefit analysis. We would need to know, you
22 know, both the cost and the participation levels and
23 some other assumptions, so we don't generally perform
24 that work for proposals.

25 PRESIDING OFFICER WRIGHT: If that

1 information was provided, then would you have done
2 that cost/benefit analysis?

3 THE WITNESS: It would be possible to do
4 so, if we were considering adopting that proposal.
5 Then we could do so certainly.

6 PRESIDING OFFICER WRIGHT: So if a party
7 was to do that analysis and provide in their testimony
8 what their cost/benefit analysis did, would IPL review
9 that and determine, assess whether they thought that
10 was reasonable or whether that was the correct result?

11 THE WITNESS: Yes. If the parties provided
12 it, we would review.

13 PRESIDING OFFICER WRIGHT: So to follow up
14 on that, so you did not do a cost/benefit analysis on
15 the OCA recommendation that IPL offer free smart
16 thermostats coupled with enrollment in the Demand
17 Response Program?

18 THE WITNESS: We did not do a separate
19 cost/benefit analysis of that. We provided our
20 feedback on our previous analysis.

21 PRESIDING OFFICER WRIGHT: And was there a
22 specific reason that you changed your methodology for
23 the credit, the nonresidential credit from the 85
24 percent/15 percent weighted to just the MISO?

25 THE WITNESS: It was primarily due to the

1 volatility of the PRA in recent years. If I can be
2 allowed to give round numbers, it closed at \$25 two
3 years ago, \$250 a year ago, ranging, you know, \$10.
4 This year over the four seasons, \$2 in the winter.

5 So it has had a certain amount of
6 volatility, and I think also that's difficult for both
7 IPL and for the customers to react to, if on an annual
8 basis it may whiff up and down and change the credit
9 level.

10 For the time being we felt it was
11 appropriate to discontinue the use of the PRA. Even
12 MISO has perhaps suggested that it hasn't settled into
13 a regular level; that it may continue to have
14 volatility. That was our primary reason.

15 PRESIDING OFFICER WRIGHT: And then why are
16 you changing the proposal to make it a five-year
17 contract rather than a three-year contract?

18 THE WITNESS: We're proposing the change
19 really due to the administrative level of burden it
20 was to get the customers to re-sign the contracts at
21 the three-year level.

22 It seemed it didn't serve a lot of purpose
23 to have one at mid-plan, at the three-year, so we just
24 proposed to make it align with the Energy Efficiency
25 Plan. We added the band of 20 percent, plus or minus.

1 If the CONE price would change in any given
2 year, then we would make that adjustment. So we felt
3 that was a fair compromise to customers with a
4 longer-term contract but with a band for adjustments
5 early up or down.

6 PRESIDING OFFICER WRIGHT: So is that your
7 primary reason, then, for having the plus and minus 25
8 percent?

9 THE WITNESS: Yeah. I mean, our main
10 concern is to be able to properly compensate the
11 customers who are providing the capacity at whatever
12 the market value for the capacity is while on behalf
13 of all other customers not overpaying.

14 So we want to put in that correction band
15 in case the CONE price did make a correction. It
16 happens to be higher right now than it has been in the
17 past, so we still feel it's correct to anchor to it.

18 But if it goes down on behalf of all
19 customers, we would want to lower the credit level
20 correspondingly.

21 PRESIDING OFFICER WRIGHT: If that changes,
22 does that have an effect on your budget? How does it
23 fit into the plan?

24 THE WITNESS: It would have an effect on
25 the actual spend for sure, and then we would make a

1 determination if it was extensive enough that it would
2 require a modification to the plan to update the
3 budget.

4 I would guess a 25 percent swing up or down
5 would likely trigger us to do a modification to update
6 the budget.

7 PRESIDING OFFICER WRIGHT: So does IPL
8 oppose OCA's recommendation that IPL file its EM&V
9 tracking spreadsheet with its energy efficiency annual
10 report?

11 THE WITNESS: I think all the information
12 in the tracking sheet, as far as the recommendations,
13 are included in the reports from the vendor. To the
14 extent the Board would request to see each of our
15 responses to those line items, we would make it
16 available, but we don't feel that a mandatory
17 requirement would be necessary.

18 PRESIDING OFFICER WRIGHT: So you think all
19 that information is in the annual report? Is that
20 what you're saying?

21 THE WITNESS: All the recommendations would
22 be in the annual report, not necessarily IPL's
23 implementation of those. If the Board asked us for
24 that information or the parties for that matter, we're
25 happy to provide it.

1 PRESIDING OFFICER WRIGHT: So I know
2 there's some testimony about the use of the AMI data.
3 Has IPL considered using the AMI data as part of their
4 Energy Efficiency Program or plan? How does that
5 relate?

6 THE WITNESS: Yeah. It gets used in many
7 ways, actually.

8 If you look at the Home Energy Reports
9 Program we were discussing earlier, we use the AMI
10 data to do a billing analysis between the treatment
11 groups, those who get the letter; and the control
12 groups, those who don't, to say what behavior changed?
13 How has that impacted any savings that those treatment
14 group customers are seeing? It's, of course, used in
15 the Demand Response Programs to calculate what
16 customers' participation is.

17 Gosh. I don't know if I can list all of
18 them, but it's actually incorporated in numerous ways.

19 PRESIDING OFFICER WRIGHT: And there was
20 also some testimony about a rate calculator.

21 So if I have the testimony correctly, IPL
22 has not completed its work on the rate calculator, and
23 where are you in that process? Is there a time line
24 for completing it?

25 THE WITNESS: I think in the prior plan it

1 was envisioned that one of the energy efficiency
2 vendors would develop that rate calculator. As it
3 turns out, Alliant Energy decided to develop that
4 internally with our own IT resources.

5 We've been reporting on that through the
6 stakeholder collaboration process in RPU-2019-0001.
7 It is active as of, I believe, beginning of May.

8 So the rate calculator is now available for
9 customers' use. It doesn't happen to be connected
10 directly to any of the energy efficiency programs, but
11 it is available.

12 PRESIDING OFFICER WRIGHT: When you say
13 it's "available," does that mean it's on the website?

14 THE WITNESS: It's on the website. Thank
15 you.

16 PRESIDING OFFICER WRIGHT: Okay. I think
17 that's all the questions I have.

18 Mr. Sowden, I'm going to go back around and
19 see if anyone has any additional questions based on my
20 questions, and then we'll come back to your redirect.

21 MR. SOWDEN: That works. Thank you, Your
22 Honor.

23 PRESIDING OFFICER WRIGHT: Ms. Easler.
24
25

1 I apologize. I see we're putting it on the
2 screen.

3 Were you in the room when this was
4 introduced?

5 A. Yes.

6 Q. Do you remember the conversation, the
7 questions that OCA was asking Ms. Ellsworth?

8 A. Yes.

9 Q. And that they were generally related to the
10 limited-income program?

11 A. Yes.

12 Q. Since March 31st of 2016, has there been a
13 more recent EM&V report that addressed limited-income
14 programs?

15 A. Yes. In the current EM&V from Opinion
16 Dynamics, there's been an additional EM&V on
17 income-qualified programs.

18 Q. And did it come to a different conclusion?

19 A. Yes. They actually made a recommendation
20 that IPL bring back the limited-income program based
21 on a recommendation from the community action agencies
22 that they saw it as an opportunity to fill that out.

23 MR. SOWDEN: Thank you. No further
24 questions.

25 PRESIDING OFFICER WRIGHT: Of course, based

1 on your redirect, I have another question.

2 So I read the testimony about the
3 low-income program and your relationship with IPL to
4 the CAP agencies and that. So is your program for
5 low-income customers based entirely on that
6 relationship and your collaboration with them? You
7 don't have a separate low-income program, Energy
8 Efficiency Program for low-income customers?

9 THE WITNESS: So we're proposing to break
10 it into three. We've had it in two sections. One is
11 the Weatherization Assistance, the single-family
12 low-income, which I would describe as braided funding
13 with the Federal Weatherization Assistance Programs.
14 So we provide additional funding to the CAP agencies
15 for the homes treated in the IPL service territory.
16 So that's one aspect.

17 We have also previously had the
18 multi-family low-income, and that is not in
19 conjunction with the CAP agencies. We run that
20 separately.

21 And then we're proposing this for further
22 limited-income that we would also not run with the CAP
23 agencies. We'd be seeking a third-party implementer
24 to run that program.

25 PRESIDING OFFICER WRIGHT: So if I'm

1 understanding the testimony, there's a backlog, but
2 there are low-income customers who have not received
3 the benefit of the program.

4 Which of these addresses that, and if not,
5 are you proposing to address that backlog?

6 THE WITNESS: Well, the backlog doesn't
7 specifically address it for those who qualify for the
8 WAP program, the poverty level that addresses the gap.

9 Just to put another number on that, federal
10 poverty level at 200 percent is 6,000 for a
11 four-person home, so still people with significant
12 need for assistance with weatherization.

13 The activity we're proposing to help
14 address that gap, one of the needs that the agencies
15 have identified is getting more contractors qualified
16 to perform the work because they're subject to the
17 federal guidelines. They have to have training on
18 lead abatement and some other activities that may not
19 necessarily be just installation of energy efficiency
20 equipment.

21 So we have proposed ourselves and
22 MidAmerican, Black Hills to help provide assistance to
23 get more contractors in the state of Iowa trained and
24 available to do that work to help address -- to help
25 close that gap.

1 It won't completely close it. The need is
2 high. The dollars are limited.

3 PRESIDING OFFICER WRIGHT: So are there
4 specific aspects of that program? It seems to me
5 there's some question about exactly what's being done
6 for training.

7 THE WITNESS: As I mentioned, we're working
8 with the Iowa Department of Human Rights to help with
9 those trainings that they would like to help us fund
10 and promote.

11 I would just call that a work in progress.
12 It's currently happening, but we have not yet
13 identified what those trainings might be concretely.

14 PRESIDING OFFICER WRIGHT: So are there
15 funds in this plan's budget for that training?

16 THE WITNESS: Yeah. We would intend to use
17 the funding -- part of the funding currently allotted
18 for the single-family low-income program to provide
19 that training. We didn't provide a separate line
20 item, but we would intend to use some of that budget
21 for that activity.

22 PRESIDING OFFICER WRIGHT: So will that
23 affect the number of low-income customers who can take
24 advantage of the program?

25 THE WITNESS: Well, again, in recent

1 history the CAP agencies haven't been spending the
2 full allotment from IPL. I don't believe it will
3 short term negatively impact the customers they're
4 serving year-by-year, and they anticipated, of course,
5 that it will near term increase the number of
6 customers served because if they have more contractors
7 available to do the work, they can serve more homes.

8 PRESIDING OFFICER WRIGHT: So what's the
9 primary reason or do you know why the CAP agencies
10 haven't been fully utilizing IPL funds?

11 THE WITNESS: I don't know if I can fully
12 speak for them, but I'll give you some general ideas.

13 One of them is matching dollars. So when
14 they run out of federal funding, even though they
15 might have some utility funding left, they wouldn't --
16 they stop doing homes. Of course, they had some
17 impact with COVID-19 in recent years and were able to
18 complete a lot of that work.

19 They were not going into customer homes to
20 perform any of that work. Folks didn't want them in
21 their homes, so that has been in recent times coming
22 back but still not quite to pre-COVID levels.

23 And then the training aspect. Each CAP
24 agency in their current practice is to hire
25 contractors to perform the work, so they are not,

1 generally speaking, CAP agency employees, but they're
2 contracted to do the work. They just are not finding
3 enough contractors who will have the federal
4 certifications required and are available to do the
5 work.

6 PRESIDING OFFICER WRIGHT: Thank you.
7 That's all I have.

8 Any redirect on that?

9 MR. SOWDEN: No, Your Honor.

10 PRESIDING OFFICER WRIGHT: Thank you. You
11 may step down.

12 THE WITNESS: Thank you.

13 PRESIDING OFFICER WRIGHT: I think rather
14 than go to another witness, it may be time to just
15 take our lunch break. We'll be back at 1:15. We're
16 off the record.

17 (A lunch recess was taken at 12:15 p.m.
18 until 1:19 p.m.)

19 PRESIDING OFFICER WRIGHT: We're back on
20 the record. I think IPL has another witness, correct?

21 MR. SOWDEN: That is correct. Before
22 turning to that, I would like to ask the presiding
23 officer's permission -- I have two witnesses that are
24 from out of town -- Ms. Ellsworth and Mr. Velonis --
25 and they have the ability to catch an earlier flight

1 this afternoon.

2 After our witness, if there's no objection
3 and no need to re-call Ms. Ellsworth or Mr. Velonis,
4 could we dismiss them at 3:30?

5 PRESIDING OFFICER WRIGHT: So I think the
6 question is -- and I forgot who had confidential
7 questions. You need either of those witnesses for
8 your confidential questions?

9 MS. VAN LOON: I do not. My confidential
10 questions are for Witness Gehrke.

11 PRESIDING OFFICER WRIGHT: Anyone else have
12 any reason to re-call either Ms. Ellsworth or
13 Mr. Velonis?

14 (No response.)

15 PRESIDING OFFICER WRIGHT: Okay. Without
16 objection, then, they may be excused.

17 MR. SOWDEN: Thank you, Your Honor. IPL
18 would like to call Adrianna Iano.

19 ADRIANNA L. IANO,
20 called as a witness by Interstate Power and Light
21 Company, being first duly sworn by Presiding Officer
22 Wright, was examined and testified as follows:

23 PRESIDING OFFICER WRIGHT: Have a seat.
24 You may proceed.

25 MR. SOWDEN: Thank you.

1 DIRECT EXAMINATION

2 BY MR. SOWDEN:

3 Q. Good afternoon.

4 A. Hello.

5 Q. Could you please state your name and
6 employer for the record?

7 A. Adrianna L. Iano, Interstate Power and
8 Light Company.

9 Q. And what is your position with Interstate
10 Power and Light Company?

11 A. I'm senior regulatory policy and regulation
12 consultant.

13 Q. Are you the same Adrianna Iano who filed or
14 caused to be filed direct and reply testimony in this
15 proceeding?

16 A. I am.

17 Q. Do you have any corrections or changes to
18 your prefiled testimony?

19 A. I do not.

20 Q. If I were to ask you all of the questions
21 in your testimony today under oath, would you give the
22 same answers?

23 A. I would.

24 MR. SOWDEN: Your Honor, with the
25 understanding that Ms. Iano's prefiled testimony has

1 been entered into the record, Interstate Power and
2 Light Company tenders Ms. Iano for questions from the
3 parties and the presiding officer.

4 PRESIDING OFFICER WRIGHT: Ms. Johnson?

5 MS. JOHNSON: Yes.

6 CROSS-EXAMINATION

7 BY MS. JOHNSON:

8 Q. Good afternoon. So you're responsible for
9 the cost analysis that accompanied IPL's Energy
10 Efficiency Plan; correct?

11 A. Correct.

12 Q. Are you also responsible for the additional
13 resource planning information that was filed after
14 your plan filing in response to Board staff's request
15 for additional information that was submitted on
16 November 14th of 2022, and your response was filed
17 December 2nd of 2022?

18 A. I am -- Excuse me. I am unsure. I
19 believe, yes, but I would need to see that, too.

20 Q. Would you like to see the --

21 PRESIDING OFFICER WRIGHT: Do we need to
22 bring that up?

23 MS. JOHNSON: It's the Board's request
24 for additional information that was filed on
25 November 14th.

1 PRESIDING OFFICER WRIGHT: Can you find
2 that and bring that up? Maybe that will help the
3 witness.

4 BY MS. JOHNSON:

5 Q. So I'm specifically looking at the answers
6 to the questions of Requests 4 through 8. Would you
7 have provided responses for those?

8 If you need to see IPL's responses, I'm
9 sure we can find those as well.

10 A. Yes, if you would. They do look familiar.

11 PRESIDING OFFICER WRIGHT: Can you find the
12 responses, please?

13 MR. SOWDEN: Some of the responses are
14 confidential.

15 PRESIDING OFFICER WRIGHT: Do you have them
16 split between confidential and -- I believe we do have
17 that, so we'll want to see the public version.

18 MR. SOWDEN: I guess it would be the
19 attachments that are confidential, not the actual
20 responses, just to clarify.

21 MS. JOHNSON: Again, I'm looking
22 specifically at Request Nos. and Response Nos. 4
23 through 8.

24 A. Yes, those do look familiar. Yes.

25 BY MS. JOHNSON:

1 Q. Do you consider the information that was
2 requested by the Board to complete IPL's minimum
3 filing requirements, specifically those Request Nos.
4 4 through 8, to be an essential part of IPL's plan
5 filing that should have accompanied the initial plan
6 when it was filed on November 1st?

7 A. I'm not sure.

8 Q. I'm going to direct your attention to your
9 direct testimony, page 8, lines 9 through 16.

10 IPL's avoided electric energy cost
11 determination is a product of an Aurora modeling
12 analysis; is that correct?

13 A. Correct.

14 Q. So turning to page 10 of your direct
15 testimony, lines 21 through 23 and continuing onto
16 page 11, lines 3 through 6, where you discuss updating
17 inputs in the modeling analysis, do you typically run
18 an updated Aurora modeling analysis to update IPL's
19 biannual avoided cost filing?

20 A. I'm unsure. Our resource planning division
21 does a lot of that work for us, the avoidance cost
22 filings, so I'm unsure.

23 MS. JOHNSON: I have no additional
24 questions. Thanks.

25 PRESIDING OFFICER WRIGHT: Ms. Van Loon.

1 MS. VAN LOON: Thank you, Your Honor.

2 CROSS-EXAMINATION

3 BY MS. VAN LOON:

4 Q. Could we please turn to your reply
5 testimony, Exhibit 1, and in particular the
6 transmission carrying charge sheet?

7 My understanding is that you prepared this
8 computation; is that correct?

9 A. Correct.

10 Q. And that this computation is based upon ITC
11 Midwest's Attachment O filing; is that correct?

12 A. Correct.

13 Q. Can I assume that you're familiar with the
14 Attachment O filing?

15 A. Correct.

16 Q. In ITC Midwest's Attachment O, would you
17 agree, subject to check, that their return on equity
18 is 10.77 percent?

19 A. Subject to check.

20 Q. And would you agree that in IPL's docket
21 RPU-2019-1 -- that was the appeals last rate case --
22 that the return on equity was 9.5 percent?

23 A. Subject to check.

24 Q. Therefore, does ITC Midwest's Attachment O
25 provide a 127-basis point return on equity premium in

1 your calculation of avoided transmission costs?

2 A. Subject to check.

3 Q. So --

4 PRESIDING OFFICER WRIGHT: Can I just
5 interject here? I don't know exactly what "subject to
6 check," means. People use it every once in a while,
7 but to use it every time doesn't provide me the kind
8 of definite information I need. Either you know or
9 don't know.

10 If it's not correct what she's saying, how
11 are we going to check? Mr. Sowden, do you have an
12 answer for that?

13 MR. SOWDEN: I think without checking ITC's
14 Attachment O or having it in front of us, because of
15 the calculation that counsel just made, we wouldn't be
16 able to do it unless we check the original number.

17 PRESIDING OFFICER WRIGHT: So is a proper
18 response "I don't know"?

19 MR. SOWDEN: Yes.

20 PRESIDING OFFICER WRIGHT: I just don't
21 understand what happens with "subject to check."

22 MS. VAN LOON: This is a pretty common
23 undertaking mechanism that allows the party to check
24 the math after the fact because doing so live is
25 pretty cumbersome, and in general, when people are

1 asking a question subject to check, they do know the
2 answer. It just speeds the record along rather than
3 belaboring things.

4 So I'm not trying to be tricky here or do a
5 gotcha, but aside from, like, whiteboarding it and
6 doing math, this is a pretty efficient way to get
7 testimony.

8 PRESIDING OFFICER WRIGHT: It's not you
9 that I was questioning.

10 MS. VAN LOON: Okay.

11 PRESIDING OFFICER WRIGHT: I just think
12 responses over and over again that are "Subject to
13 check" really doesn't provide me the information.

14 If you want to say, you know -- There's a
15 better response. "Subject to check" doesn't give me
16 the input I need. I don't know what your response is.

17 If you don't know, say you don't know, and
18 we'll move on. That's up to you, but putting
19 everything subject to check doesn't help me.

20 A. I would say that it sounds reasonable, but
21 I would need to do the math.

22 PRESIDING OFFICER WRIGHT: Okay. There we
23 go.

24 BY MS. VAN LOON:

25 Q. Do you know whether the Iowa Utilities

1 Board has authority over federally regulated
2 transmission lines?

3 A. It does not.

4 Q. Do you know if Iowa has an integrated
5 planning filing requirement that addresses local
6 transmission needs?

7 A. I do not believe so.

8 Q. Based upon your understanding of how ITC
9 Midwest calculates its rates, would an increase in
10 their forecasted load increase or reduce the rate,
11 assuming that there's no increase in the revenue
12 requirement?

13 A. I would assume it would reduce the rate.

14 Q. Did you review Mr. Vognsen's testimony as
15 part of your participation in this docket?

16 A. I did.

17 Q. Okay. If we could turn to Vognsen Direct,
18 page 13, lines 3 through 9.

19 Do you recall Mr. Vognsen referencing ITC
20 Midwest's reference of a denominator issue?

21 A. I do.

22 Q. And what's your understanding of the
23 denominator issue?

24 A. My understanding of the denominator issue
25 is that they have formula rates that are not

1 necessarily tied to the load on their system, and IPL
2 has a majority share -- IPL is the majority of that
3 load for their system. So additional changes in IPL's
4 overall consumption don't necessarily correlate to a
5 similar change in ITCM's Attachment O.

6 Q. So I'll come at the question a slightly
7 different way. If I say the word "revenue
8 requirement," do you have an understanding of what
9 that means?

10 A. Yes.

11 Q. What does it mean to you? I'll use your
12 definition.

13 A. It would be the total bucket of revenues
14 that a company is, quote-unquote, due from their
15 customers.

16 Q. Okay. I'm going to call it a pie. The pie
17 has to be divided up and paid for by the customers;
18 right?

19 A. Correct.

20 Q. So at least my understanding of the
21 denominator issue is that if load doesn't change, that
22 pie gets divided as it has been in percentage shares,
23 as it has been previously; correct?

24 A. That is true.

25 Q. Could ITC Midwest reduce its rates by

1 reducing its revenue requirement?

2 A. Yes.

3 Q. What has been the direction of ITC
4 Midwest's revenue requirement in recent years? Has it
5 grown or decreased?

6 A. Grown.

7 Q. Will ITC Midwest's future revenue
8 requirement be reduced as a result of IPL's pending
9 Energy Efficiency Plan?

10 A. No.

11 Q. Does IPL have any control over ITC
12 Midwest's spending on transmission?

13 A. No.

14 Q. Has IPL ever intervened in an ITC Midwest
15 electric transmission franchise proceeding claiming
16 that the proposed transmission costs could be deferred
17 or reduced due to energy efficiency?

18 A. No, I don't believe so.

19 Q. In your role as a senior regulatory
20 relations and policy consultant, are you somewhat
21 familiar with the rate-making process?

22 A. Yes.

23 Q. Would you agree that when a rate-regulated
24 utility increases its rate base, it will result in an
25 increase in earnings?

1 A. Potentially.

2 Q. Since the sale of transmission assets from
3 IPL to ITC Midwest, are you aware of any time when ITC
4 Midwest was able to reduce the ongoing increases to
5 its rate base due to energy efficiency?

6 A. I'm not aware of any such time.

7 Q. I think you testified earlier that you had
8 reviewed ITC Midwest's Attachment O filing; is that
9 correct?

10 A. Correct.

11 Q. I'm having a hard time. This is another
12 subject to check. I'll try it with you.

13 PRESIDING OFFICER WRIGHT: That's okay
14 periodically. It's just the responses are not
15 helpful.

16 If the witness doesn't know, then -- I just
17 wonder: What do we do? Do we come back to the
18 hearing if they're wrong?

19 MS. VAN LOON: So I have not seen it be
20 wrong.

21 PRESIDING OFFICER WRIGHT: I haven't
22 either, but I'm asking you.

23 MS. VAN LOON: I think if it were wrong, it
24 would be fair to cure that part of the record.

25 PRESIDING OFFICER WRIGHT: Okay.

1 BY MS. VAN LOON:

2 Q. Would you agree since 2017, subject to
3 check, that ITC increased the rate base from 2.4
4 billion to 3.4 billion based on their Attachment O
5 filings?

6 A. That sounds in line with what I know, but
7 again, I would have to do the math.

8 MS. VAN LOON: I have no further questions
9 for this witness.

10 PRESIDING OFFICER WRIGHT: I have a
11 comment. You're asking questions about information
12 that is available, and maybe the next time you bring
13 up an exhibit so you can show it to the witness and
14 confirm it. I'm just making a suggestion.

15 MS. VAN LOON: Sure. Thank you, Your
16 Honor.

17 PRESIDING OFFICER WRIGHT: Okay.
18 Ms. Herndon.

19 MS. HERNDON: I have no questions. Thank
20 you.

21 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum.

22 MR. MANDELBAUM: No questions. Thank you.

23 PRESIDING OFFICER WRIGHT: Okay. ITC, so
24 what I'm looking at is your avoided cost analysis. Do
25 you include transmission costs in that analysis in

1 this docket?

2 THE WITNESS: Yes, yes.

3 PRESIDING OFFICER WRIGHT: Did you include
4 transmission costs, or were transmission costs
5 included in the current plan?

6 THE WITNESS: Yes.

7 PRESIDING OFFICER WRIGHT: So if you did
8 not include transmission costs, will it affect the
9 cost ratio?

10 THE WITNESS: Yes, likely.

11 PRESIDING OFFICER WRIGHT: And how will
12 that?

13 THE WITNESS: I believe the -- I have not
14 personally done the cost-effective analysis, but I do
15 believe that it would have a negative effect.

16 PRESIDING OFFICER WRIGHT: Which would
17 reduce the benefit, right, or reduce the --

18 THE WITNESS: RIM (phonetic), yeah, and
19 everything.

20 PRESIDING OFFICER WRIGHT: Okay. That's
21 all I had. Redirect?

22 MR. SOWDEN: We have no redirect. Thank
23 you, Your Honor.

24 PRESIDING OFFICER WRIGHT: Thank you. You
25 may step down.

1 I apologize, but it's a sticking point with
2 me.

3 THE WITNESS: Thank you. Very valid.

4 PRESIDING OFFICER WRIGHT: So does that
5 complete your testimony?

6 MR. SOWDEN: Yes, Your Honor, that
7 completes Interstate Power and Light Company's
8 testimony.

9 PRESIDING OFFICER WRIGHT: Okay. We'll go
10 to OCA, then. You can call your first witness.

11 MS. JOHNSON: OCA calls Scott Bents.

12 SCOTT BENTS,
13 called as a witness by the Office of Consumer
14 Advocate, being first duly sworn by Presiding Officer
15 Wright, was examined and testified as follows:

16 PRESIDING OFFICER WRIGHT: Have a seat.
17 You may proceed.

18 DIRECT EXAMINATION

19 BY MS. JOHNSON:

20 Q. Good afternoon. Will you please state your
21 name and position for the record.

22 A. My name is Scott Bents. I'm a utility
23 regulation engineer at the Office of Consumer
24 Advocate.

25 Q. Are you the same Scott Bents that prepared

1 direct and surrebuttal testimony to be filed in this
2 case along with associated exhibits?

3 A. Yes, I am.

4 Q. Do you have any changes you'd like to make
5 to any of those documents?

6 A. No, I do not.

7 MS. JOHNSON: Since your testimony and
8 exhibits have been admitted into the record by
9 stipulation, I tender Mr. Bents for cross-examination.

10 PRESIDING OFFICER WRIGHT: Okay.

11 MR. SOWDEN: We have no questions for this
12 witness.

13 PRESIDING OFFICER WRIGHT: Ms. Van Loon.

14 MS. VAN LOON: No questions, Your Honor.

15 PRESIDING OFFICER WRIGHT: Ms. Herndon.

16 MS. HERNDON: No questions.

17 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum.

18 MR. MANDELBAUM: No questions.

19 PRESIDING OFFICER WRIGHT: Let me look real
20 quick at my notes.

21 (Brief pause.)

22 PRESIDING OFFICER WRIGHT: I don't believe
23 I have any questions either. Thank you. You may step
24 down.

25 You may call your next witness.

1 MS. JOHNSON: OCA calls Blake Kruger.

2 BLAKE KRUGER,

3 called as a witness by the Office of Consumer
4 Advocate, being first duly sworn by Presiding Officer
5 Wright, was examined and testified as follows:

6 PRESIDING OFFICER WRIGHT: Proceed.

7 DIRECT EXAMINATION

8 BY MS. JOHNSON:

9 Q. Could you please state your name and
10 position for the record?

11 A. Sure. My name is Blake Kruger,
12 K-r-u-g-e-r. I am a senior utility analyst with the
13 Office of Consumer Advocate.

14 Q. Are you the same Blake Kruger who prepared
15 direct and surrebuttal testimony to be filed in this
16 case along with associated exhibits?

17 A. I am.

18 Q. Do you have any changes you'd like to make
19 to any of those documents?

20 A. I do not.

21 MS. JOHNSON: Since your testimony and
22 exhibits have been admitted into the record by
23 stipulation, I tender Mr. Kruger for
24 cross-examination.

25 PRESIDING OFFICER WRIGHT: Mr. Sowden.

1 MR. SOWDEN: IPL has no questions for this
2 witness.

3 PRESIDING OFFICER WRIGHT: Ms. Van Loon.

4 MS. VAN LOON: No questions, Your Honor.

5 PRESIDING OFFICER WRIGHT: Ms. Herndon.

6 MS. HERNDON: No questions.

7 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum.

8 MR. MANDELBAUM: No questions.

9 PRESIDING OFFICER WRIGHT: Okay. Let me
10 check.

11 (Brief pause.)

12 PRESIDING OFFICER WRIGHT: So for your
13 proposal that IPL offer free smart thermostats coupled
14 with enrollment in the Demand Response Program for
15 low-income households, did you do a cost-effectiveness
16 analysis?

17 THE WITNESS: That was not available. The
18 only thing that I was able to do was note that the
19 Demand Response portion of IPL's plan is very
20 cost-effective and one of the highest cost-effective
21 ratios. I think it's over 4:1. It's in my direct
22 testimony.

23 And the cost of a smart thermostat is
24 significantly less expensive than what IPL had
25 proposed, and so from that angle, we arrived at the

1 fact that the smart thermostat coupled with the Demand
2 Response would greatly improve the cost-effectiveness
3 of that portion of that offering.

4 PRESIDING OFFICER WRIGHT: Do you or does
5 OCA support the proposed limited-income program as
6 IPL's put in its plan?

7 THE WITNESS: No.

8 PRESIDING OFFICER WRIGHT: What parts of it
9 do you disagree with?

10 THE WITNESS: Well, there's several parts
11 of it that I disagree with. Part of it is based on
12 the EM&V recommendation that -- which is why IPL
13 discontinued the predecessor of this program from 2014
14 to 2017, which is the Home Energy Savings Program, and
15 said it wasn't cost-effective.

16 I know there's quite a bit of debate on
17 what "cost-effective" means for low-income.
18 Low-income is excluded from that, so the definition of
19 low-income is yet to be determined. There's been
20 quite a bit of debate about that.

21 Opinion Dynamics, from what was alluded to
22 earlier this morning, I think, when Ms. Gehrke was on
23 the stand, they arrived at a different conclusion
24 saying that the limited-income program should be
25 expanded to just above 200 percent. I think our

1 exception is the cost of the program and also looking
2 at the 200 to 300 percent, all the way up to 300
3 percent.

4 So when I testified, I have a table in my
5 testimony that showed -- and Ms. Gehrke alluded to
6 this -- that 300 percent of a federal poverty line of
7 a family of four is up to \$90,000. I also have in my
8 testimony that the median household income for the
9 state of Iowa is roughly \$65,000.

10 Given the additional IRA funding that's
11 available that could meet some of those needs for
12 those higher-income folks of 150 percent of the
13 federal poverty line, it didn't seem like it was
14 cost-justified to provide a 75 percent rebate in a
15 slew of measures to customers that are earning up to
16 300 percent of the federal poverty line. And also
17 because there is that co-pay component of it, the
18 limited-income program would more naturally drift
19 toward the 300 percent of the federal poverty line.

20 In addition, when we were talking about the
21 limited-income program, we had some testimony this
22 morning that said it was only going to touch 76
23 customers, and I believe it was identified as 76
24 customers per year. It was identified as a pilot
25 program, and it was only going to touch a specific

1 community or maybe one or two communities.

2 We thought that in our approach we could
3 touch significantly more communities. So at 76
4 customers, based on the budget that IPL has
5 provided -- I think that was in response to a CEDI
6 data request that we reviewed this morning -- their
7 budget is between \$350,000 to \$400,000 for this
8 program.

9 When you cut that over 76 customers, that's
10 about \$5,000 per customer. So \$5,000 per home.

11 And the program that we're recommending,
12 which is the smart thermostat coupled with the Demand
13 Response, we think it would provide some meaningful
14 savings to a much wider net or a much wider number of
15 customers. If you assume that the smart thermostat
16 cost is around \$100 or in that range -- and we saw
17 this morning also that \$62 was the assumed
18 installation rate or labor costs to install a smart
19 thermostat.

20 So if you just assume we're looking at
21 about \$162 per home versus \$5,000 per home, there's a
22 much wider number of customers that we can reach
23 through our recommendation, and it would also be
24 cost-effective.

25 So I think our view is that, based on the

1 recommendations from the 2014 to 2018 plan, we need to
2 be mindful of the dollars we're spending, especially
3 when we exceed that 200 to 300 percent, where I would
4 call that some gray area in terms of whether or not
5 low-income is truly 200 to 300 percent. I would say,
6 if anything, the Opinion Dynamics would say it's just
7 over 200 percent.

8 We've also had a lot of discussion that the
9 below 200 percent, we're having a backlog where we're
10 not reaching those customers. So I think our approach
11 would reach those customers as well by providing them
12 the smart thermostat and enrollment in the Demand
13 Response Program, which would also give them an annual
14 credit to their bill, which would be meaningful to
15 this customer base as well.

16 I've also recommended that IPL assist some
17 of these customers in their options, as availability
18 with regard to time-of-use rates, where they could
19 save money or different rate options in which they
20 could see meaningful bill savings, and that's from the
21 testimony of Tim Tessier.

22 PRESIDING OFFICER WRIGHT: I understand.
23 You kind of went beyond my question, but that's okay.

24 THE WITNESS: Sorry.

25 PRESIDING OFFICER WRIGHT: So really to sum

1 it up, you're suggesting that those dollars be shifted
2 to the low-income program, right, with your smartphone
3 [sic] and demand response?

4 THE WITNESS: The smart thermostat?

5 PRESIDING OFFICER WRIGHT: Smart
6 thermostat, yes.

7 THE WITNESS: More so, yes. I think we
8 could make it available to just above the 200 percent.

9 I don't have a bright line cutoff of what
10 that would be. I don't mention that, but I think that
11 would be more fitting with the Opinion Dynamics
12 recommendation, EM&V report.

13 PRESIDING OFFICER WRIGHT: Just to go back,
14 I think you started out with there is no definition of
15 low-income?

16 THE WITNESS: Correct.

17 PRESIDING OFFICER WRIGHT: Do you have a
18 recommendation for what a low-income customer would
19 be?

20 THE WITNESS: Well, I think the cleanest
21 way would be if you qualify and you're eligible for
22 the Weatherization Assistance Program, which is 200
23 percent of the federal poverty line.

24 PRESIDING OFFICER WRIGHT: All right.
25 Thank you.

1 Let me check and make sure I don't have
2 another one.

3 (Brief pause.)

4 PRESIDING OFFICER WRIGHT: So is it your
5 understanding that if the limited-income program is
6 included that it does not need to be included in the
7 overall cost-effectiveness analysis?

8 THE WITNESS: I think it would need to be.
9 Our stance is that that's 200, 300 percent when you're
10 talking \$90,000 annual income for a family of four.

11 I don't know that it can necessarily be
12 excluded. Again, that's based on the definition of
13 what low-income is.

14 PRESIDING OFFICER WRIGHT: Okay. Thanks.
15 Does IPL have any questions based on my
16 questions?

17 MR. SOWDEN: No questions.

18 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

19 MS. VAN LOON: No questions.

20 PRESIDING OFFICER WRIGHT: Ms. Herndon?

21 MS. HERNDON: No questions.

22 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

23 MR. MANDELBAUM: No questions.

24 PRESIDING OFFICER WRIGHT: Redirect?

25 MS. JOHNSON: We have no redirect.

1 PRESIDING OFFICER WRIGHT: Thank you. You
2 may step down.

3 Call your next witness.

4 MS. JOHNSON: OCA calls Marcos Munoz.

5 MARCOS MUNOZ,
6 called as a witness by the Office of Consumer
7 Advocate, being first duly sworn by Presiding Officer
8 Wright, was examined and testified as follows:

9 PRESIDING OFFICER WRIGHT: Have a seat.
10 You may proceed.

11 DIRECT EXAMINATION

12 BY MS. JOHNSON:

13 Q. Please state your name and position for the
14 record.

15 A. Marcos Munoz. I'm a senior utility analyst
16 at the OCA.

17 Q. Are you the same Marcos Munoz who prepared
18 direct, surrebuttal, rebuttal and cross-rebuttal
19 testimony in this document?

20 A. Subject to check.
21 I'm just kidding. Yes.

22 MS. VAN LOON: Too soon.

23 A. Yes.

24 PRESIDING OFFICER WRIGHT: So you want to
25 get along with me or not?

1 (Laughter.)

2 BY MS. JOHNSON:

3 Q. Do you have any changes you'd like to make
4 to any of these documents?

5 A. I do not.

6 MS. JOHNSON: Since your testimony and
7 exhibits have been admitted into the record by
8 stipulation, I tender Mr. Munoz for cross-examination.

9 PRESIDING OFFICER WRIGHT: IPL?

10 MR. SOWDEN: IPL has no questions for this
11 witness.

12 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

13 MS. VAN LOON: Thank you, Your Honor.

14 CROSS-EXAMINATION

15 BY MR. VAN LOON:

16 Q. Mr. Munoz, can we start with your direct
17 testimony on page 29?

18 A. Yes. Let me get there, or do you want
19 to -- I can go in, or do you want to pull it up?
20 Either way.

21 PRESIDING OFFICER WRIGHT: It's really up
22 to you.

23 THE WITNESS: I have it right here.

24 PRESIDING OFFICER WRIGHT: We're going to
25 pull it up for everyone else.

1 MS. VAN LOON: In particular, I'm going to
2 draw his attention to lines 5 through 7.

3 A. Five through 7?

4 BY MS. VAN LOON:

5 Q. Yes. My understanding of your testimony,
6 Mr. Munoz, is that IPL's interruptible program has
7 allowed IPL to avoid building or obtaining new
8 generation capacity and enhancing the flexibility and
9 reliability of IPL's system.

10 Did I get that wrong?

11 A. That is right.

12 Q. Do you know how long IPL's interruptible
13 program has been in existence?

14 A. Can I not say "subject to check"?

15 PRESIDING OFFICER WRIGHT: I wouldn't.

16 BY MS. VAN LOON:

17 Q. Would 40 years be a reasonable period of
18 time?

19 A. I would say that a ratio somewhere around
20 Dave Vognsen's age. I will take the 40 years. That's
21 fine.

22 Q. Do you know whether or not IPL is in an
23 excess capacity situation?

24 A. Right now in excess capacity, you said?

25 Q. Yes.

1 A. I don't believe so. Based on the loading
2 capabilities table that was submitted in Exhibit 12, I
3 believe the first few years -- I don't know if it was
4 within the plan.

5 So there's two ways of looking at it. I
6 think within the first year of the plan they're
7 predicting a shortfall.

8 Q. I guess I'll put the question another way.
9 Has IPL proposed to build additional
10 capacity?

11 A. Yes. I mean, I believe so. They're
12 wanting to.

13 Q. Has IPL requested interruptible customers
14 curtail load on the interruptible program to do so by
15 MISO?

16 A. Are they required to do so?

17 Q. Has IPL requested interruptible customers
18 to curtail load?

19 A. Yes, yes, for sure.

20 Q. Do you know when they most recently did so?

21 A. I believe -- I think in one of the -- Data
22 Request 27. I think it's in my surrebuttal exhibit.
23 I think it was December 2022, I want to say.

24 Q. Do you know whether or not IPL's
25 interruptible customers incur costs to participate in

1 the interruptible program?

2 A. I would assume so.

3 What do you mean by "costs"? Can you be
4 more specific?

5 Do they have diesel backup generators or do
6 they -- Do they incur, like, foregone operating
7 revenues, something like that?

8 Q. I think both of those things can be costs.

9 A. For sure.

10 Q. Okay. Do all customers benefit from IPL's
11 interruptible program?

12 A. Yes.

13 Q. Without the interruptible program, would
14 IPL need more capacity?

15 A. Yes.

16 Q. If IPL builds additional capacity, are
17 those costs for all customers?

18 A. Adult customers or all customers?

19 Q. All.

20 A. All customers. Yes.

21 Q. Do you know whether or not IPL forecasted
22 any excess capacity sales for the 2023-2024 MISO
23 planning year?

24 A. I do not. I don't know the answer to that.

25 Do you mean they submitted that within the

1 tract? If that's a consideration of the resource
2 adequacy requirements they submit to MISO, or are you
3 asking me in the EAC, for example, excess capacity
4 sales?

5 Q. I didn't hear the first part of your
6 answer, so I'll try my question back to you again.

7 A. That's fine.

8 Q. If you don't know, fine.

9 Do you know whether IPL forecasted any
10 excess capacity sales for the 2023-2024 MISO planning
11 year?

12 A. I don't think so, but again -- sorry.
13 You're asking me if IPL, in the loading capability
14 table projection that I submitted as part of the
15 additional requirements, Exhibit 12, if they
16 submitted -- if they have excess capacity sales,
17 excess capacity in that table? Did they submit it
18 into MISO for resource adequacy?

19 Q. MISO for resource adequacy.

20 A. I haven't seen what IPL submitted yet, so I
21 don't know the answer to that clearly, but I will take
22 it -- No. Okay.

23 Q. If you could go to page 6 of your
24 cross-rebuttal testimony and specifically lines 12
25 through 16.

1 A. Yes.

2 Q. Are you aware of the MISO's news release
3 that accompanied the release of the auction results?

4 A. Like, the presentation of May 19 or
5 something else?

6 Q. I'll circulate a document that may help
7 provide some more context.

8 A. Okay.

9 PRESIDING OFFICER WRIGHT: So this will be
10 LEG Hearing Exhibit 2; is that correct?

11 MS. VAN LOON: Yes, Your Honor.

12 A. I think this was also made part of the
13 presentation. I think there was some disclaimer maybe
14 on the May 19th information that included similar
15 language to this.

16 BY MS. VAN LOON:

17 Q. So you think you've seen this document
18 before as a component of a larger document?

19 A. Of the May 19th presentation. That's
20 right.

21 Q. Mr. Munoz, if I could direct your attention
22 to the green, highlighted language.

23 A. Yeah.

24 Q. Can you read that for me?

25 A. "With the rapid change of the generation

1 fleet, we continue to see uncertainty and volatility
2 in the auction results year-over-year, and managing
3 the system in real-time is becoming more challenging,"
4 Moeller adds. "Actions taken by market participants
5 this year, such as delaying resource retirements and
6 making additional, existing capacity available via
7 imports may not be repeatable in the future, and this
8 year we are all still susceptible to supply shortages
9 in extreme situations."

10 MS. VAN LOON: Thank you. At this time I
11 would move to admit LEG Hearing Exhibit 2.

12 (LEG Hearing Exhibit 2 was offered into
13 evidence.)

14 PRESIDING OFFICER WRIGHT: Any objection to
15 LEG Hearing Exhibit 2?

16 (No response.)

17 PRESIDING OFFICER WRIGHT: Hearing none,
18 it's admitted into the record.

19 (LEG Hearing Exhibit 2 was admitted into
20 evidence.)

21 MS. VAN LOON: Thank you, Your Honor.

22 BY MS. VAN LOON:

23 Q. If we could turn to page 11 of your
24 surrebuttal testimony and specifically lines 15
25 through 17 --

1 A. Yep.

2 Q. -- my understanding of your testimony is
3 that in your view traditional capacity resources are
4 dispatchable, available and reliable. Do I have that
5 right?

6 A. That's right.

7 Q. Has the interruptible program been a
8 reliable resource?

9 A. In the terms of reliability, meaning it's
10 part of the CRC accreditation requirements, I'll say
11 yes. In terms of performance, I would say no.

12 There's a difference between reliability
13 and dispatchability that needs to be, like, a
14 condition upon the response to the question that
15 you're asking.

16 Q. I'll try a slightly different question.

17 Has the interruptible program proved to be
18 a dispatchable resource?

19 A. Yes.

20 Q. Is the interruptible program an available
21 resource throughout the entire year?

22 A. Not 100 percent.

23 Q. In some percentage, is it available through
24 the entire year?

25 A. It is available. It is not available from

1 the perspective of performance.

2 Let me give you an example. A CT has a
3 particular component of dispatch. When IPL submits --
4 Let's take an example. Emory 1, 2, 3. 150 megawatts
5 in each of the CT compositions.

6 There's a forced outage rate that comes
7 attached to that particular unit that when you credit
8 you get the accreditation requirements, based on the
9 high CAP, then you get the performance, and you have a
10 standard, right? So you have the adjustment of forced
11 outage rate between ICAP and new CAP.

12 When you are dealing with a Demand Response
13 Program that has the operational flexibility that is
14 not available to a CT, those characteristics are not
15 analogous with the other. The performance and
16 characteristics of a Demand Response Program like an
17 interruptible program, because of the design and
18 flexibility, has a different composition than a
19 dispatchable resource like a simple combustible
20 turbine.

21 Q. Are you saying the interruptible program is
22 not available at all during certain periods of time or
23 available less?

24 A. Less, correct.

25 Q. Okay. Are you familiar with MISO's

1 Resource Adequacy Business Practice Manual pertaining
2 to Demand Response?

3 A. Yes, a little bit.

4 PRESIDING OFFICER WRIGHT: LEG Hearing
5 Exhibit 3; correct?

6 MS. VAN LOON: Yes, Your Honor.

7 A. I assume you want me to go to the
8 highlighted yellow portion?

9 BY MS. VAN LOON:

10 Q. I'm going to ask you a couple of foundation
11 questions first. I don't think everyone has it yet,
12 so I'm pausing on purpose.

13 Mr. Munoz, is that part of the business
14 practice manual you're familiar with?

15 A. To some extent, yes.

16 MS. VAN LOON: At this time I would move to
17 admit Large Energy Group Exhibit 3.

18 (LEG Hearing Exhibit 3 was offered into
19 evidence.)

20 PRESIDING OFFICER WRIGHT: Any objection to
21 LEG Hearing Exhibit 3?

22 (No response.)

23 PRESIDING OFFICER WRIGHT: Hearing none,
24 that exhibit is admitted into the record.

25

1 (LEG Hearing Exhibit 3 was admitted into
2 evidence.)

3 MS. VAN LOON: Thank you, Your Honor.

4

5 BY MR. VAN LOON:

6 Q. Mr. Munoz, you anticipated my question. If
7 you could go to the highlighted section beginning on
8 the second page?

9 A. Do you want me to read it?

10 Q. Yes, please.

11 A. "A Demand Resource shall mean a resource
12 registered with MISO defined as Interruptible Load or
13 Direct Load Control Management and other resources
14 that result in additional and verifiable reductions in
15 end-use customer demand during an Emergency."

16 Q. Thank you. I want to talk a little bit now
17 about what happens if interruptible customers are not
18 in compliance with IPL's interruptible tariff.

19 I understand that there are penalties for
20 non-compliance. Are you aware of penalties?

21 A. In the MISO or IPL's tariff?

22 Q. In IPL's tariff.

23 A. Yeah.

24 Q. If you want, you have a copy of IPL's
25 interruptible tariff in front of you, but my question

1 was intended to be pretty high-level.

2 A. Yep.

3 Q. Do you think that the penalties for
4 non-compliance are meaningful?

5 A. No.

6 Q. Okay. And why not?

7 A. Because it's \$26 a kW. I mean, it's a
8 ratio of the value of CONE.

9 I think there -- if I'm not mistaken, I
10 think in -- I don't know if it's in this VPN manual,
11 but I think it's somewhere around -- I can't remember
12 if it was 1500 per megawatt hour at nonparticipation
13 on the -- for the demand response resources for
14 interruptible load, for tariffable load.

15 Q. Mr. Munoz, do you know whether or not
16 customers can be curtailed due to reliability
17 concerns?

18 A. Yes.

19 Q. Can customers be curtailed for energy
20 efficiency purposes to reduce peak demand?

21 A. Yes.

22 Q. Can interruptible customers be curtailed
23 for energy efficiency in order to reduce energy usage
24 due to high LMP rates?

25 A. Yes.

1 Q. Have IPL's interruptible customers been
2 curtailed in such situations?

3 A. One, two, three, yes. One less frequent
4 than two and three, but yes.

5 Q. Mr. Munoz, if we could turn to your
6 surrebuttal testimony at page 13, lines 13 through 18.

7 A. Yep.

8 Q. My understanding is that you're referencing
9 MidAmerican's interruptible program and how
10 MidAmerican calculates its incentives; is that
11 correct?

12 A. Uh-huh. Yes. Sorry.

13 Q. Does MidAmerican currently have excess
14 capacity?

15 A. Yeah. I -- Yes.

16 Q. Has MidAmerican Energy filed an Integrated
17 Resources Plan with the Board?

18 A. I don't believe so.

19 Q. In measuring cost-effectiveness of IPL,
20 including the interruptible program, is that based
21 upon the long-term avoidance of capacity?

22 A. You mean, MidAmerican or --

23 Q. I'm sorry. I switched back to the EEP that
24 we're currently considering.

25 A. Yeah. It's long-term avoidance, yes.

1 Q. And over the past two or three decades, as
2 a general matter, would you say that the cost of
3 capacity has increased, decreased or stayed the same?

4 A. It has -- It stayed relatively stable in
5 years past except for the last year where it increased
6 to \$236 per megawatt per day, the previous PRA
7 results.

8 MS. VAN LOON: Thank you, Mr. Munoz.

9 I don't have any further questions for this
10 witness.

11 PRESIDING OFFICER WRIGHT: Ms. Herndon.

12 CROSS-EXAMINATION

13 BY MS. HERNDON:

14 Q. Good afternoon, Mr. Munoz.

15 A. Good afternoon.

16 Q. Could I direct you to page 3 of your
17 cross-rebuttal testimony, line 11, where you state
18 that it is practically impossible to know the economic
19 cost function for each individual interruptible
20 customer?

21 Do you see that?

22 A. Yes.

23 Q. Would you agree that there are several
24 important factors that an interruptible customer would
25 consider in deciding whether to participate in the

1 interruptible program?

2 A. Yeah, for sure.

3 Q. Like, for instance, the perceived frequency
4 of interruptions?

5 A. That's perhaps true, yes.

6 Q. How about the cost of interruption?

7 A. The cost? You mean the -- Yes, yes.

8 Q. And that could include things like lost
9 production, equipment damage, labor costs, the cost of
10 going through the interruption and setting up
11 communication protocols, training staff, things like
12 that?

13 A. Yep, absolutely.

14 Q. And, of course, the value of the credit
15 itself?

16 A. Absolutely. So the cross-function for the
17 customers to pay for the interruptible credits should
18 be included in that consideration, too.

19 Q. Could we now go to page 5 of your
20 cross-rebuttal starting at line 5? You make the point
21 here that there are only so many available customers
22 for the interruptible program; right?

23 A. That's correct.

24 Q. Would you agree that IPL has indicated that
25 it will need more interruptible capacity than it

1 currently has?

2 A. There is -- I feel IPL has a targeted
3 amount of Demand Response as part of the plan that is
4 a little bit higher -- that is higher than what they
5 currently have in the current plan. That's right.

6 Q. And IPL states in their Assessment of
7 Potential that the potential for interruptible load
8 will grow; correct?

9 A. That's right, but let me clarify that.
10 They stated that it will grow above the current plan.
11 I don't think that they're intending to --
12 that their targeted amounts in any data that we
13 received shows any higher level than the 225 megawatt
14 that is currently part of the proposed plan.

15 Q. Are you disagreeing that their Assessment
16 of Potential didn't show that it could grow by as much
17 as 60 megawatts by 2028 in the referenced case and
18 100 megawatts in the high case?

19 A. Yes, that is correct. They established
20 that.

21 Q. Moving to page 6, starting at page 6
22 towards the bottom of your page in your
23 cross-rebuttal, you discuss the MISO auction results
24 for planning year 2023 to '24; correct?

25 A. Yes.

1 Q. Is your discussion there based on the
2 presentation report that's dated May 19th of 2023?

3 A. That's correct.

4 Q. I'd like to offer the full report as an
5 exhibit. This would be IBEC Hearing Exhibit 1.

6 (IBEC Hearing Exhibit 1 was offered into
7 evidence.)

8 BY MS. HERNDON:

9 Q. While that's being passed out, if we could
10 scroll farther down into the cross-rebuttal into the
11 next page, the top of 7.

12 At the top of page 7, it shows a Chart 1.
13 This is the chart you pulled from page 4 of IBEC
14 Hearing Exhibit 1?

15 A. Yes, that's right.

16 Q. So you're familiar with this report?

17 A. Yes, just on -- I don't remember
18 everything, but yes. We can go through it.

19 Q. I understand you didn't author it. I'm
20 asking if you're familiar with it.

21 I would move to admit IBEC Hearing
22 Exhibit 1.

23 (IBEC Hearing Exhibit 1 was offered into
24 evidence.)

25 PRESIDING OFFICER WRIGHT: Any objections

1 to IBEC Hearing Exhibit 1?

2 (No response.)

3 PRESIDING OFFICER WRIGHT: Hearing none,
4 that exhibit is admitted into the record.

5 (IBEC Hearing Exhibit 1 was admitted into
6 evidence.)

7 MS. HERNDON: Thank you, Your Honor.

8 Q. In IBEC Hearing Exhibit 1, could we move to
9 Slide 9. Mr. Munoz, would you please read the title
10 at the top of this slide for the record. It starts
11 with "adequate supply."

12 A. "Adequate supply this summer and the
13 resulting prices do not reflect the continued risks
14 posed by the portfolio transition."

15 Q. And then if you would move that page down
16 just a little bit, there is a green highlighted
17 portion there at the bottom. Mr. Munoz, would you
18 please read that sentence in the green box that starts
19 with "urgent reforms."

20 A. "Urgent reforms to MISO's resource adequacy
21 and market design are necessary to ensure continued
22 reliability."

23 Q. Thank you. Switching back to your
24 cross-rebuttal testimony --

25 A. Which, by the way, I think that's literally

1 what MISO has been doing for a little bit, is that
2 their ask is ongoing.

3 You have changes in the resource adequacy
4 in the verification process when doing a seasonal
5 construct and moving away from probabilistic and
6 deterministic is part of the planning requirement.

7 Q. Can you pull up the cross-rebuttal
8 testimony at page 7, please. Oh, you are there.
9 Line 5.

10 Mr. Munoz, you discuss here IPL's current
11 approved methodology for computing the interruptible
12 rate, and you then use the 2023-24 PRA results to
13 calculate a credit amount; correct?

14 A. Yes.

15 Q. And you're applying that calculation for
16 all five years of the EEP; correct?

17 A. That's right.

18 Q. In the last EEP proceeding, though, the
19 Board actually approved a five-year forecast in IPL's
20 last EEP proceeding; correct?

21 A. You mean the short-term 15 percent of using
22 Wood Mac Resource Capacity Option?

23 Q. The forecast, yes.

24 A. Yes, that's right.

25 Q. And then going one more page down to page

1 8, there's a table there. It shows the calculation
2 applying the new PRA value using IPL's currently
3 approved methodology.

4 It indicates a rate per month at the bottom
5 there in bold at \$6.92 per kilowatt per month; is that
6 correct?

7 A. That's right.

8 Q. And that would be an increase from the
9 current credit amount, yes?

10 A. That's correct.

11 Q. So you do agree the rate should be
12 increased?

13 A. Assuming the data that was computed -- the
14 methodology remains and there's a 15 weight of
15 short-term and a 95 weight of long-term, correct,
16 there will be an increase.

17 We're updating the value of the CONE value,
18 and I don't take a lot of issue with the updated CONE
19 value, using the more current 2022 CONE value.

20 MS. HERNDON: Thank you. Those are all my
21 questions.

22 THE WITNESS: Thank you.

23 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum.

24 MR. MANDELBAUM: No questions.

25 PRESIDING OFFICER WRIGHT: I believe you

1 testified with regard to IPL's Proposed Behavioral
2 Demand Response Program?

3 THE WITNESS: Yes, sir.

4 PRESIDING OFFICER WRIGHT: So if IPL does
5 not make changes to the incentive for the Behavioral
6 Demand Response Program, do you believe that the
7 program should be eliminated from the plan or offered
8 to see if there is customer interest?

9 THE WITNESS: Well, my preference would be
10 an increase of it.

11 In light of your question, Your Honor,
12 would it be eliminated if we don't get a bit of a
13 higher incentive? Obviously, the answer to that would
14 be no, but we will prepare a higher incentive because
15 we do think our Behavioral Demand Response Program
16 that -- the design is intended to shift usage to
17 off-peak periods. It requires a nudge of a
18 well-tailored incentive.

19 There's a different example that we
20 provided -- that I provided in my testimony that tries
21 to address a little bit of how those critical pricings
22 for residential should be modeled, and I think that,
23 you know, an incentive, a bit of a higher incentive
24 will probably be a better fit for that program, but I
25 wouldn't recommend an elimination of the program if

1 that is not increased.

2 That would not be my preference, but it
3 will be preferable that there's some degree of higher
4 incentive so we can really get the results that I feel
5 this is trying to target and perhaps increase it as
6 the AOP had identified there's opportunities and
7 potential in critical rate pricing for that program.

8 PRESIDING OFFICER WRIGHT: So going back to
9 the nonresidential interruptible, do they have the
10 same demand and have the same credit each month rather
11 than varying it for summer and non-summer months?

12 THE WITNESS: My position is -- OCA's
13 position is that we do welcome a seasonal credit
14 construct. I think compensation of demand when demand
15 is most needed is logical.

16 I don't agree with an increase. You know,
17 simply one of the considerations is that it exhausts
18 the budgets.

19 We've been discussing things like -- you
20 know, an example is, you know, the amount of customers
21 that I feel we have in this service territory, a lot
22 of people are employed by the same interruptible
23 customers that participate in that program, some
24 don't.

25 But incentive to ensure adequacy rate

1 mitigation for those customers, I think, are -- you
2 know, will be the need. I think increasing the
3 incentive creates that additional burden in the EECR
4 and the ERCR for those customers, specifically those
5 customers that are low-income customers.

6 PRESIDING OFFICER WRIGHT: Okay. So have
7 you or OCA calculated the cost-effectiveness and
8 budget impacts of the proposed incentive for the
9 nonresidential and interruptible program that you're
10 proposing?

11 THE WITNESS: No, I have not emulated or
12 produced any cost estimate of that different
13 threshold. I mean, it could be a pretty
14 straightforward calculation.

15 You know, there will be considerations, you
16 know, subject to this agreement about what component
17 will be in the avoided cost number. Some parties have
18 different disagreements of what should be included and
19 what should not be included, but I think it could be a
20 very helpful calculation.

21 I'd be happy to provide that, if you so
22 wish.

23 PRESIDING OFFICER WRIGHT: That's all I
24 have.

25 Any questions, Mr. Sowden, after my

1 questions?

2 MR. SOWDEN: No questions, Your Honor.

3 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

4 MS. VAN LOON: No, Your Honor.

5 PRESIDING OFFICER WRIGHT: Ms. Herndon?

6 MS. HERNDON: No, Your Honor.

7 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

8 MR. MANDELBAUM: No questions.

9 PRESIDING OFFICER WRIGHT: Redirect.

10 MS. EASLER: Thank you.

11 REDIRECT EXAMINATION

12 BY MS. JOHNSON:

13 Q. Mr. Munoz, I would like to direct your
14 attention to Slide 5 in IBEC's Hearing Exhibit 1.
15 Could you read the title of that slide?

16 A. "North/Central region demonstrated adequate
17 supply driven by a combination of lower demand, new
18 generation, delayed retirements, additional imports
19 and higher accreditation."

20 Q. And in what region is IPL located?

21 A. It's in the North Region, Zone 3.

22 Q. For interruptions that are called for,
23 Option 2 or 3 interruptions, which are not reliability
24 interruptions, does the interruptible customer have
25 the option of choosing to buy through that event?

1 A. They do.

2 Q. And would that customer be subject to a
3 penalty in that situation?

4 A. Not necessarily.

5 Q. Okay. Why do you think a short-term
6 capacity value continues to be appropriate?

7 A. The reason is because the interruptible
8 program is a -- by design, it was a three-year term,
9 and now it's a five-year term.

10 So it's still -- There needs to be a
11 consideration of the immediate current value capacity
12 because it is not necessarily a long-term resource.
13 Customers can move in and out of the program and
14 participate or choose not to participate in the
15 program, and that could happen at any point that they
16 can.

17 I mean, there's some requirements or
18 restrictions, but it is essentially not a 30- or
19 40-year-long commitment like a peaking resource. So
20 it's more of a short-term resource.

21 Q. All right. Given that Iowa now has a
22 2 percent of retail sales CAP on the Demand Response
23 Program, does the proposed increase and the
24 interruptible credit potentially limit the amount of
25 spending on Residential Demand Response Programs?

1 A. I wouldn't say it limits it. I would say
2 it exhausts it.

3 There's no reliability for additional
4 spending because all the spending went to the increase
5 in the curtail credit. It will go beyond its limits.
6 It exhausts all that budget for any other
7 consideration of any other program.

8 MS. EASLER: Thank you. That's all I have.

9 PRESIDING OFFICER WRIGHT: You may step
10 down.

11 THE WITNESS: Thank you.

12 PRESIDING OFFICER WRIGHT: Call your next
13 witness.

14 MS. JOHNSON: OCA calls Tim Tessier.

15 TIM TESSIER,
16 called as a witness by the Office of Consumer
17 Advocate, being first duly sworn by Presiding Officer
18 Wright, was examined and testified as follows:

19 PRESIDING OFFICER WRIGHT: Have a seat.

20 DIRECT EXAMINATION

21 BY MS. JOHNSON:

22 Q. Will you please state your name and
23 position for the record.

24 A. Tim Tessier, last name T-e-s-s-i-e-r. I'm
25 a utilities specialist at the Office of Consumer

1 Advocate.

2 Q. Are you the same Tim Tessier who prepared
3 direct and rebuttal testimony in this docket and
4 associated exhibits?

5 A. I am.

6 Q. Do you have any changes you need to make to
7 any of those documents?

8 A. I do not.

9 MS. EASLER: Since your testimony and
10 exhibits have been entered into the record by
11 stipulation, I tender Mr. Tessier for
12 cross-examination.

13 PRESIDING OFFICER WRIGHT: IPL.

14 MR. SOWDEN: IPL has no questions of this
15 witness.

16 PRESIDING OFFICER WRIGHT? Ms. Van Loon?

17 MS. VAN LOON: No questions, Your Honor.

18 PRESIDING OFFICER WRIGHT: Ms. Herndon?

19 MS. HERNDON: No questions, Your Honor.

20 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

21 MR. MANDELBAUM: No questions, Your Honor.

22 PRESIDING OFFICER WRIGHT: Let me just
23 check my cheat sheet.

24 (Brief pause.)

25 PRESIDING OFFICER WRIGHT: I don't believe

1 I have any questions either. Thank you. You may step
2 down.

3 THE WITNESS: Thank you.

4 PRESIDING OFFICER WRIGHT: Does that
5 complete your presentation of your testimony?

6 MS. JOHNSON: Yes. The OCA has no
7 additional witnesses.

8 PRESIDING OFFICER WRIGHT: So then we'll go
9 to LEG. Ms. Van Loon.

10 MS. VAN LOON: Thank you, Your Honor. LEG
11 calls David Vognsen.

12 DAVID VOGNSEN,
13 called as a witness by the Large Energy Group, being
14 first duly sworn by Presiding Officer Wright, was
15 examined and testified as follows:

16 DIRECT EXAMINATION

17 BY MS. VAN LOON:

18 Q. Mr. Vognsen, can you provide your name and
19 position for the record, please?

20 A. Yeah. My name is David Vognsen, V, as in
21 Victor, o-g-n-s-e-n. I'm vice president of rates and
22 regulatory for Latham, Ervin, Vognsen & Associates.

23 Q. Thank you. Did you cause to be filed
24 direct rebuttal and surrebuttal testimony and exhibits
25 in this docket?

1 A. Yes, I did.

2 Q. Do you have any changes or corrections to
3 that testimony and exhibits?

4 A. No, I do not.

5 MS. VAN LOON: LEG hereby tenders
6 Mr. Vognsen for cross-examination.

7 PRESIDING OFFICER WRIGHT: IPL?

8 MR. SOWDEN: IPL has no questions for this
9 witness.

10 PRESIDING OFFICER WRIGHT: OCA?

11 MS. EASLER: No questions.

12 PRESIDING OFFICER WRIGHT: Ms. Herndon?

13 MS. HERNDON: No questions.

14 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

15 MR. MANDELBAUM: No questions.

16 PRESIDING OFFICER WRIGHT: You heard my
17 question about transmission costs being included in
18 the avoided costs?

19 THE WITNESS: Yes, I did.

20 PRESIDING OFFICER WRIGHT: Do you think
21 transmission costs should be included in the avoided
22 cost calculation or not?

23 THE WITNESS: I think currently they should
24 not be.

25 PRESIDING OFFICER WRIGHT: And why is that?

1 THE WITNESS: Based on the changes we've
2 seen in the transmission costs, especially since the
3 rapid rate in raise for transmission being provided by
4 ITC, their increase in their revenue requirement we've
5 seen, especially over the last five years, and
6 essentially we're not seeing any kind of increase in
7 their load.

8 So when you look at why are they
9 increasing, you know, their revenue requirement, you
10 know, they're doing it for other reasons, and they're
11 not taking into account either demand response or
12 energy efficiency.

13 PRESIDING OFFICER WRIGHT: Okay. And do
14 you support IPL's revised interruptible credits?

15 THE WITNESS: I support basing it off of
16 CONE, but I take a different approach as far as how I
17 would calculate the actual rates that would end up in
18 the tariff.

19 PRESIDING OFFICER WRIGHT: And what's that
20 difference?

21 THE WITNESS: The difference is I look at
22 what they would expect to have from interruptible
23 customers, as far as the interruptible capacity that
24 they would provide, and I would still apply a ratio of
25 kind of the -- what they call the noncoincidence peak

1 or their billing demand lists, their interruptible
2 firm contract demands.

3 Look at the ratio of that to be actual
4 interruptible capacity they're applying, and then just
5 apply that to the CONE rate and spread that by the
6 season.

7 PRESIDING OFFICER WRIGHT: Is that
8 calculation or explanation in your testimony?

9 THE WITNESS: I have that calculation in my
10 testimony, yes.

11 PRESIDING OFFICER WRIGHT: Okay. I believe
12 that's all the questions I have.

13 Redirect?

14 MS. VAN LOON: No redirect, Your Honor.

15 PRESIDING OFFICER WRIGHT: Okay. Thank
16 you. You may step down.

17 I believe that's your only witness; is that
18 correct?

19 MS. VAN LOON: That's correct, Your Honor.

20 PRESIDING OFFICER WRIGHT: Ms. Herndon?

21 MS. HERNDON: Thank you, Your Honor. IBEC
22 calls Robert Stephens.

23

24

25

1 ROBERT STEPHENS,
2 called as a witness by the Iowa Business Energy
3 Coalition, being first duly sworn by Presiding Officer
4 Wright, was examined and testified as follows:

5 PRESIDING OFFICER WRIGHT: Have a seat.
6 You may proceed.

7 DIRECT EXAMINATION

8 BY MS. HERNDON:

9 Q. Mr. Stephens, would you please state your
10 name and employer for the record.

11 A. Robert Stephens, Brubaker & Associates
12 Incorporated.

13 Q. What is your position at Brubaker &
14 Associates?

15 A. I'm a principal.

16 Q. Did you cause to be filed in this
17 proceeding direct, cross-rebuttal, rebuttal and
18 surrebuttal testimony?

19 A. Yes.

20 Q. Do you have any corrections or changes to
21 your prefiled testimony?

22 A. No.

23 Q. Have you reviewed the cross-rebuttal
24 testimony of OCA Witness Munoz?

25 A. I have.

1 Q. I understand you'd like to respond to that;
2 is that correct?

3 A. Yes.

4 Q. If we could pull that up at page 3.

5 PRESIDING OFFICER WRIGHT: You want the
6 Munoz cross-rebuttal?

7 MS. HERNDON: The Munoz cross-rebuttal,
8 please.

9 PRESIDING OFFICER WRIGHT: All right.
10 BY MS. HERNDON:

11 Q. At lines 11 through 13, Mr. Munoz states,
12 "It's practically impossible to know the economic cost
13 function for each individual participating customer
14 and to design an interruptible credit on that basis."

15 How do you respond to that, Mr. Stephens?

16 A. I agree in part. It's impossible to know
17 the individual customer's economic decisions.

18 They'll have to take into account their own
19 individual costs of interruption, the kind of items
20 you were asking Mr. Munoz about: Loss of production,
21 equipment damage, training costs, et cetera, and weigh
22 those several different costs against the incentive
23 levels, the benefit versus the cost.

24 They also need to take into account their
25 expectation of the frequency of interruptions going

1 forward.

2 Q. Further down at line 15 on page 3,
3 Mr. Munoz states that, "The most rational economic
4 decision for interruptible program participants is to
5 maximize the interruptible credit incentive as much as
6 is allowed within the plan's budget."

7 How do you respond to that?

8 A. My first response would be that no one has
9 proposed anything that comes anywhere near maximizing
10 the credit.

11 As I indicated in my testimony, the program
12 is worth approximately \$198 per kW year. IPL's
13 proposal in their rebuttal testimony is a credit based
14 on \$98 per year or somewhat less than half.

15 So my first response is no one is offering
16 anything here maximizing the credit, but my second
17 response is the converse would be true as well.

18 I suppose nonparticipating customers would
19 like to minimize the incident of levels. They would
20 like to get the benefit of interruptible capacity and
21 the lowering of costs of acquiring new generation at a
22 cheap rate, so there is attention there.

23 Yes, interruptible customers would like
24 larger incentives, but Mr. Munoz should acknowledge
25 that nonparticipating customers would like to have as

1 low of incentives as possible.

2 Then finally I think it's really in a
3 nonparticipant's economic interests to ensure that the
4 value of the interruptible program is not lost, and
5 that value will be lost, in my opinion, to some degree
6 if the incentives are too low.

7 Q. If you would go to page 5 now, lines 1
8 through 5. Mr. Munoz states that, "Changes in
9 contractual demand and achieved demand savings is
10 likely more related to operational limits of the type
11 of load characteristics that exist in IPL's system
12 rather than the level of credit."

13 What is your response?

14 A. While I agree there's some physical limit,
15 there's only a certain number of customers that can be
16 interrupted and only can be interrupted to a certain
17 degree.

18 I don't believe that that potential has
19 been reached, and I would point out that the
20 Assessment of Potential, which you were asking
21 Mr. Munoz about, indicates that there's, in the high
22 scenario, another 100 megawatts.

23 So consequently, while there's a physical
24 limit, it's not particularly helpful.

25 Q. Further down on page 5 at line 17 and

1 continuing onto page 6, line 9, Mr. Munoz suggests
2 that, "If the reduction in participation does not
3 match exactly or exceed the ratio of change program
4 benefits that that somehow suggests there is no
5 elasticity."

6 How would you respond to that,
7 Mr. Stephens?

8 A. If I understand Mr. Munoz's position, it is
9 that if the ratio of change in participation and the
10 ratio of change in the incentive are not one or
11 greater, then it's inelastic. I would assume that
12 instead of 1.00 and 0.99, Mr. Munoz would say it's not
13 elastic.

14 That's not a reasonable assumption. There
15 are ranges of elasticity.

16 The fact is if the incentive went down to
17 zero, customers would drop out. If it was cut in
18 half, some customers would drop out. If it was
19 tripled, there would be more interruptible loads.

20 Clearly there's some elasticity there.
21 It's not inelastic.

22 I'd like to comment on the theory behind
23 Mr. Munoz's position about economic elasticity in
24 general. It has to do with customers being able to
25 make choices to buy or in this case participate. That

1 can be done on a near instantaneous basis coinciding
2 with the change in price or incentive.

3 That simply isn't the case here. We have
4 three-year contracts that can't be done on an
5 immediate basis. So his analysis is based on a faulty
6 assumption.

7 Q. Also at page 6, lines 6 through 8, you
8 stated that, "The logic of Mr. Munoz's ratio of change
9 results reinforces his point that program
10 participation and available contractual demand has to
11 do with other operating considerations not exclusively
12 germane to the credit incentive rate."

13 How do you respond?

14 A. I agree in part. Those other operating
15 considerations don't -- well, they're the things we
16 talked about before, the various costs of
17 interruption.

18 However, what the Board is doing here and
19 what I feel is proposed is to set the incentive level.
20 The incentive level itself doesn't affect the
21 perceived loss to customers.

22 In other words, it will cost them X
23 thousands of dollars to shut down for two hours
24 whether or not the incentive rate is high or low;
25 however, the other component I mentioned, which is

1 frequency of interruptions, if the incentive is not
2 adequate and customers drop out of this program, then
3 the frequency of interruptions is likely to increase
4 because that means there's more firm demand that IPL
5 will have to meet with its limited resources.

6 And consequently, to the extent reserve
7 margins have tight, there could be more frequent
8 interruptions, and then that changes the economics of
9 the remaining customers. And it could be a death
10 spiral if customers drop out too quickly or if they
11 drop out and the perceived frequency of interruptions
12 goes up.

13 Q. At pages 6 and 7, Mr. Munoz provides the
14 results from the MISO 2023-24 Planning Resource
15 Auction Results indicating much lower values than
16 present in the prior year's PRA results.

17 What is your response to that?

18 A. I know we already covered the fact that the
19 current credits were based on not a single year of PRA
20 results but a forecast of PRA results. I won't really
21 get into that.

22 I would point out that the current PRA is
23 for the period June 2023 through May of 2024, so that
24 represents five months within the five-year planning
25 period at issue here. If I'm understanding this

1 right, he would base the incentive for 60 months on a
2 PRA that's applicable less than 10 percent of the
3 time.

4 Q. Did MISO give any indication that the
5 2023-2024 PRA results would be indicative of future
6 years in the energy efficiency period?

7 A. Yes, that's the way I interpreted the
8 statements that you had Mr. Munoz read into the
9 record.

10 MISO, while they acknowledge that there's
11 adequate capacity for this planning year, June '23 to
12 May '24, I interpret it to mean they have severe
13 concerns about future years absent significant
14 changes, and that reliability could very well be
15 impacted.

16 Q. And then lastly, at pages 7 through 8,
17 Mr. Munoz calculates a revised interruptible credit
18 level based on the '23-24 PRA results and
19 characterizes them being based on IPL's current
20 methodology for computing the interruptible credit in
21 Docket EEP-2018-0003.

22 How do you respond?

23 A. My response is how I alluded before. It's
24 not the currently approved methodology because the
25 currently approved methodology used forecasts of

1 future PRA results, not actual PRA results.

2 Q. Thank you.

3 MS. HERNDON: With Mr. Stephens' prefiled
4 testimony having been admitted and this additional
5 testimony, I would tender the witness for questions.

6 PRESIDING OFFICER WRIGHT: IPL?

7 MR. SOWDEN: IPL has no questions for this
8 witness.

9 PRESIDING OFFICER WRIGHT: OCA?

10 MS. JOHNSON: No questions.

11 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

12 MS. VAN LOON: No questions, Your Honor.

13 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

14 MR. MANDELBAUM: No questions, Your Honor.

15 PRESIDING OFFICER WRIGHT: Okay. You may
16 step down.

17 THE WITNESS: Thank you, Your Honor.

18 PRESIDING OFFICER WRIGHT: So I think that
19 completes your testimony; correct?

20 MS. HERNDON: Yes, it does. Thank you,
21 Your Honor.

22 PRESIDING OFFICER WRIGHT: I think we're
23 ready, then, for your testimony, Mr. Martin-Schramm.

24

25

1 JAMES MARTIN-SCHRAMM,
2 called as a witness by Clean Energy Districts of Iowa,
3 being first duly sworn by Presiding Officer Wright,
4 was examined and testified as follows:

5 PRESIDING OFFICER WRIGHT: Have a seat.
6 Since you aren't represented by counsel or anyone
7 else, we're going to do this a little differently.

8 Can you state your name for the record?

9 THE WITNESS: James Martin-Schramm,
10 M-a-r-t-i-n, hyphen, S-c-h-r-a-m-m.

11 PRESIDING OFFICER WRIGHT: Who are you
12 employed by?

13 THE WITNESS: The Clean Energy Districts of
14 Iowa.

15 PRESIDING OFFICER WRIGHT: So when you say
16 you're employed by them, are you actually employed?
17 Are you on the payroll?

18 THE WITNESS: I'm a consultant paid on an
19 hourly basis.

20 PRESIDING OFFICER WRIGHT: Okay. Are you
21 the same Mr. Martin-Schramm that prefiled testimony in
22 this docket?

23 THE WITNESS: Yes, I am.

24 PRESIDING OFFICER WRIGHT: Do you have any
25 changes to that testimony?

1 THE WITNESS: No. I made some corrections
2 to incorrect assumptions in my rebuttal and
3 surrebuttal testimony.

4 PRESIDING OFFICER WRIGHT: So since
5 Mr. Martin-Schramm's testimony has already been
6 admitted, we'll begin cross-examination.

7 IPL?

8 MR. SOWDEN: IPL has no questions.

9 PRESIDING OFFICER WRIGHT: OCA?

10 MS. JOHNSON: No questions.

11 PRESIDING OFFICER WRIGHT: Ms. Van Loon?

12 MS. VAN LOON: No questions.

13 PRESIDING OFFICER WRIGHT: I apologize.
14 Calling you "LEG" just seems odd to me.

15 Ms. Herndon?

16 MS. HERNDON: I have no questions, Your
17 Honor.

18 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum?

19 MR. MANDELBAUM: No questions.

20 PRESIDING OFFICER WRIGHT: Okay. So let me
21 check and see if I've got some questions here.

22 So, Mr. Martin-Schramm, did you calculate
23 the cost-effectiveness and budget impacts of any of
24 the proposals that you made in this docket?

25 THE WITNESS: Not in my testimony, I did

1 not. I have a bunch of back-of-the-envelope
2 scribbling here, but no, that's not my strong suit.

3 PRESIDING OFFICER WRIGHT: So I know
4 there's been some testimony regarding a time where we
5 used a pilot, and I guess the question is: Do you
6 believe that the pilot would be effective without the
7 addition of battery storage facilities?

8 THE WITNESS: Can you repeat that question?

9 PRESIDING OFFICER WRIGHT: Do you believe
10 that a time-of-use pilot would be effective without
11 the addition of battery storage facilities? If you
12 don't have an answer --

13 THE WITNESS: It's not something I
14 commented on extensively. I don't have a firm
15 opinion.

16 PRESIDING OFFICER WRIGHT: Okay.

17 THE WITNESS: Your Honor, may I return to
18 your first question and add a little more there?

19 PRESIDING OFFICER WRIGHT: Okay.

20 THE WITNESS: One reason I didn't calculate
21 the cost-effectiveness, for example, multiplying
22 tenfold alliance investment and heat pump hot water
23 heaters or donating blocks in their community solar
24 program is because those ideas are part of their
25 qualified income program. As I understand it, those

1 investments don't have to go through a
2 cost-effectiveness test.

3 So, you know, I have some numbers, but I
4 admit they're pretty hastily pulled together because I
5 was afraid you'd ask that question.

6 PRESIDING OFFICER WRIGHT: They're not
7 part --

8 THE WITNESS: They're not part of my
9 testimony, I'm afraid. I'll probably add in
10 post-hearing comments, if that's acceptable.

11 PRESIDING OFFICER WRIGHT: I don't believe
12 I have any other questions. The only redirect you
13 would get is from me, and I've asked my questions. So
14 you may step down.

15 THE WITNESS: Thank you.

16 PRESIDING OFFICER WRIGHT: So I believe
17 that's all of the witnesses. Is there any other
18 evidence or any other matters that we need to address
19 except for briefing and -- We need to go into
20 confidential.

21 So even after all this, you still need a
22 confidential session?

23 MS. VAN LOON: I don't know how else to get
24 in an exhibit that contains confidential information.

25 PRESIDING OFFICER WRIGHT: Okay. So we are

1 going to go into confidential session.

2 Do you have an approximate length of how
3 long you think we'll be.

4 MS. VAN LOON: Short, and I actually really
5 mean that.

6 PRESIDING OFFICER WRIGHT: Okay. So
7 because we're going to go into confidential session to
8 address some confidential information, I'm going to
9 have to ask everyone who is in the room who is not
10 subject to a nondisclosure agreement to leave. I
11 think probably it won't take longer than 15 minutes.

12 I will tell you when we come back all we'll
13 be doing is setting a briefing schedule and taking
14 care of any other administrative matters. We will not
15 be addressing any other evidence, from my
16 understanding. Is that correct?

17 All we're doing is wrapping up and taking
18 care of the administrative part of this, so you can
19 leave. I will let Mr. Sowden decide who can stay and
20 leave.

21 You can come back in 15 minutes, if you
22 want to see how it is in public session and how we
23 wrap it up.

24 (Pages 191 through 197 are contained in the
25 confidential portion of the transcript.)

1 PRESIDING OFFICER WRIGHT: Just so you know
2 when you hear this from the outside, I'm going to take
3 credit for this not going as long as we thought it was
4 going to. So even though I appreciate your efforts,
5 it's really your hearing and you're the ones to decide
6 that, I'm going to take credit.

7 Well, my records show that all of the
8 hearing exhibits have been admitted. Does anyone
9 disagree?

10 Staff, is that correct?

11 MR. BAKER: Your records are consistent
12 with mine.

13 PRESIDING OFFICER WRIGHT: Okay. So when I
14 talked to the court reporter, she said she would have
15 a transcript, I think, in maybe 14 days. It was a
16 little shorter than we thought, so maybe sooner than
17 that.

18 Do the parties want to file briefs? IPL?

19 MR. SOWDEN: Interstate Power and Light
20 Company would like to file a brief 14 days after the
21 transcript is filed.

22 PRESIDING OFFICER WRIGHT: Okay.

23 MS. VAN LOON: Large Energy Group would
24 agree with that suggestion.

25 PRESIDING OFFICER WRIGHT: OCA?

1 (No response.)

2 PRESIDING OFFICER WRIGHT: Ms. Herndon?

3 MS. HERNDON: That sounds good.

4 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum,
5 are you going to file a brief?

6 MR. MANDELBAUM: I think we might,
7 actually.

8 PRESIDING OFFICER WRIGHT: So it will be
9 simultaneous initial briefs. Do you want reply
10 briefs?

11 MR. SOWDEN: I don't think there's a need
12 for them.

13 PRESIDING OFFICER WRIGHT: Does anybody
14 want to file a reply brief?

15 (No response.)

16 PRESIDING OFFICER WRIGHT: Mr. Mandelbaum,
17 do you want to file a reply brief?

18 MR. MANDELBAUM: I think we're okay.

19 PRESIDING OFFICER WRIGHT: Okay. And
20 Mr. Martin-Schramm, since you participated and you're
21 a witness, I will allow you to file -- I guess I don't
22 know what to call them. If you have any additional
23 information that is similar to a brief that you want
24 to file, you can file it.

25 I'm not guaranteeing what weight we will

1 give it, but we will allow you to file something, if
2 you so desire.

3 So the agreement, then, is 14 days after
4 the transcript is filed in the Board's Electronic
5 Filing System; correct?

6 (No response.)

7 PRESIDING OFFICER WRIGHT: So I think that
8 puts us with the briefs probably into July before an
9 order will be issued. As you're aware, dealing with
10 the Iowa Code 17A, it will be a proposed decision
11 order. The Board rules allow 15 days for you to
12 appeal that to the Board or for the Board to take it
13 up on their own motion.

14 Is that okay? Does anybody think we need
15 to do it quicker than that? Just allow them 15 days
16 to run, is that okay?

17 MR. SOWDEN: Interstate Power and Light
18 Company doesn't object to that.

19 MS. JOHNSON: That's fine.

20 PRESIDING OFFICER WRIGHT: Ms. Van Loon?
21 Ms. Herndon? Mr. Mandelbaum?

22 (No response.)

23 PRESIDING OFFICER WRIGHT: Okay. Let me
24 make sure I have everything. You've participated
25 before. You have to file the exhibits electronically

1 within three days.

2 Other than that, does anybody have anything
3 else we need to take care of before we adjourn? Are
4 we back on live? I forgot to check. Anything else?

5 If not, I appreciate how you dealt with the
6 hearing, and it is adjourned.

7 (Hearing adjourned at 3:06 p.m.)

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 C E R T I F I C A T E

2 I, the undersigned, a Certified Shorthand
3 Reporter of the State of Iowa, do hereby certify that
4 I acted as the official court reporter at the hearing
5 in the above-entitled matter at the time and place
6 indicated.

7 That I took in shorthand all of the
8 proceedings had at the said time and place and that
9 said shorthand notes were reduced to typewriting under
10 my direction and supervision, and that the foregoing
11 typewritten pages are a full and complete transcript
12 of the shorthand notes so taken.

13 Dated this 22nd day of June, 2023.

14

15

16

Darcy K. Kriens

17

18

CERTIFIED SHORTHAND REPORTER
Darcy Kriens, CSR #988

19

20

21

22

23

24

25

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: \$1..5

\$	0	15	2014	
\$1 55:12	0.99 181:12	19:8 21:17 30:8 67:19 69:21 88:7 89:18 98:1 114:9 152:24 164:21 165:14 179:2 190:11,21 201:11, 15	26:6,19 139:13 142:1	97:11,12 99:10 125:16 129:18 154:4 155:5,17, 18,21 156:1 159:16 169:21,23 178:4 179:2
\$10 109:3			2016 39:22 115:12	
\$100 86:13,21,24 141:16	1	150 140:12 154:4	2017 133:2 139:14	3.2 43:2
\$12 59:23	1 42:6,20 47:25 49:2,6,16 51:20 52:4 54:21 61:18, 19,22 62:3,5,13 63:17,18,21 64:1 67:7 85:1 87:6 91:1 101:13 104:24 126:5 154:4 162:5,6,12, 14,22,23 163:1,5, 8 169:14 180:7	1500 157:12	2018 26:6 29:18 30:22 31:5 89:5,9 103:5 142:1	3.4 133:4
\$150 87:1		16 90:21 99:6 125:9 150:25	2018-0003 88:22	30- 170:18
\$162 141:21		17 20:8 30:22 31:8 152:25 180:25	2022 54:22 73:23 75:6,10 123:16,17 148:23 165:19	300 25:15 27:4 140:2,6,16,19 142:3,5 144:9
\$198 179:12		175,000 92:21	2023 6:7 30:18 31:18 161:24 162:2 183:23	31 39:22
\$2 109:4		17A 8:3 201:10	2023-2024 149:22 150:10 184:5	31st 115:12
\$200 87:1		18 19:16 31:20 158:6	2023-24 164:12 183:14	33 94:22 95:3
\$236 159:6	1.00 181:12	19 71:22 72:8 151:4	2024 183:23	346 97:24
\$236,724,318 43:4	1/2 23:3	191 190:24	2028 161:17	35 8:6
\$25 109:2	10 21:13,14 25:13 29:16 34:1,2,5,13, 14 92:12 104:20 105:10 125:14 184:2	197 190:24	21 20:8 31:20 102:7,13 125:15	35.5(4)(h) 25:7
\$250 87:2 109:3		199 25:7	22 99:6	37 49:7
\$26 157:7	10.77 126:18	19th 151:14,19 162:2	225 161:13	3:06 202:7
\$28 90:17 101:10	100 153:22 161:18 180:22	1:15 120:15	23 125:15 184:11	3:30 121:4
\$3 23:3	11 30:10 88:9 90:14 101:4 125:16 152:23 159:17 178:11	1:19 120:18	23-24 184:18	3rd 43:15 89:22
\$350,000 141:7	1112 26:17,21	1st 125:6	24 161:24 184:12	4
\$4 21:19,23 22:11, 15 55:13	1114 26:17 27:6	2 20:8 21:17 28:14 44:20 56:10 67:4 73:23 75:10 84:1 91:8 93:24 94:5, 11,12,18 151:10 152:11,12,15,19 154:4 169:23 170:22	25 110:7 111:4	4 22:5 47:24 90:13 91:1 93:25 94:21 96:20,21,24 97:3 101:3 124:6,22 125:4 162:13
\$400,000 141:7	12 21:14 30:18 31:19 94:6 148:2 150:15,24	2.4 133:3	27 148:22	40 49:3,7 147:17, 20
\$5 21:19,23 22:11, 15	127-basis 126:25	20 19:16 27:24 30:23 31:8 109:25	28 42:20,24 58:22 102:5	40-year-long 170:19
\$5,000 141:10,21	12:00 7:6,7	200 25:15 27:4 117:10 139:25 140:2 142:3,5,7,9 143:8,22 144:9	29 146:17	41 85:2
\$5.2 55:16	12:15 120:17		2:00 7:6	46 85:3
\$6.92 165:5	13 19:7 129:18 158:6 178:11		2nd 123:17	476 8:3
\$62 141:17	14 90:14 101:5 199:15,20 201:3		3	49 56:10 84:1
\$65,000 140:9	149 60:21,23			4:1 138:21
\$7 97:25	14th 75:6 123:16, 25			5
\$8 55:22				5 19:6 22:6 62:20
\$90,000 140:7 144:10				
\$98 179:14				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: 5.2..afternoon

71:22 72:8 73:3 81:25 82:1,5 83:3, 5,9 93:18 97:12 101:15 104:25 105:13,15 147:2 160:19,20 164:9 169:14 180:7,8,25	88:6,11,12 90:7 93:6,7,10,14 124:6,23 125:4,9 165:1 182:7 184:16	accompany 50:6	186:16 190:4 200:7	adjustments 110:4
5.2 55:17	85 98:1 108:23	According 42:10,19 56:24 73:21	add 59:8 92:20 188:18 189:9	administration 28:11,12 46:3
50 86:19,21 92:15	85:15 89:14	account 63:8,13 175:11 178:18,24	added 60:1,20 109:25	administrative 109:19 190:14,18
52 52:4	9	accounts 106:18	addition 45:15 59:4 140:20 188:7,11	admission 13:1 34:1,5 35:6 61:17, 22 63:17 76:23 77:4 80:21 83:2,5 93:5 94:10 96:19, 24
537 97:24	9 6:7 26:12,14 27:17 34:20 35:3, 6,9,10 39:16,19 78:14 88:6,12 114:24 125:9 129:18 163:9 181:1	accreditation 153:10 154:8 169:19	additional 13:18 19:9 28:15 43:24 59:16,23 60:20 61:1 69:12 71:12 73:22 79:25 85:12 113:19 115:16 116:14 123:12,15, 24 125:23 130:3 140:10 148:9 149:16 150:15 152:6 156:14 168:3 169:18 171:3 173:7 185:4 200:22	admit 18:14 152:11 155:17 162:21 189:4
55 80:14,16	9.5 126:22	accurate 21:20 24:23 59:7,8 76:20 80:18 82:16 94:7,24	address 12:8,10, 16 14:20 15:3,20 40:3 103:19 117:5,7,14,24 166:21 189:18 190:8	admitted 18:10, 14,17,18,21 34:13,14 35:9,10 62:3,5 63:24 64:1 73:7 77:7,8 81:4,5 83:8,9 93:13,14, 18 94:17,18 97:2, 3 136:8 137:22 146:7 152:18,19 155:24 156:1 163:4,5 185:4 187:6 199:8
56 81:23 82:17	95 165:15	achievable 47:12	addresses 39:24 117:4,8 129:5	adopt 19:10
59 24:1 76:13	A	achieve 37:6 86:6,10	addressing 28:1 190:15	adopting 108:4
6	A-1 92:12	achieved 180:9	adds 152:4	adoption 47:15, 19,20
6 23:23,24 24:5,16 35:13,14 76:12,24 77:1,4,8 125:16 150:23 161:21 181:1 182:7 183:13	a.m. 6:7	achievements 49:24	adequacy 150:2, 18,19 155:1 163:20 164:3 167:25	Adrianna 8:24 60:12,13 121:18, 19 122:7,13
6,000 117:10	abatement 117:18	acknowledge 179:24 184:10	adequate 163:11,12 169:16 183:2 184:11	Adult 149:18
60 161:17 184:1	ability 30:14 98:19 120:25	acquiring 179:21	adjourn 202:3	advantage 118:24
7	able 42:20,23 52:21 58:18 76:10 79:14 86:6 110:10 119:17 127:16 132:4 138:18 181:24	across 84:15 92:6	adjourned 202:6, 7	Advocate 9:1,3 67:6 79:9 135:14, 24 137:4,13 145:7 171:17 172:1
7 8:5 25:13 59:11 80:13,22,23 81:1, 5 147:2,3 162:11, 12 164:8 183:13 184:16	absent 184:13	act 19:7,18 20:1, 10 21:7 23:16 47:3,6,9,11 76:5 87:21	adjustment 110:2 154:10	affect 19:13 118:23 134:8 182:20
75 63:3 73:18 101:21 102:5 140:14	absolutely 160:13,16	Act-funded 76:2		affects 6:10
75,264 74:3	accept 12:9 74:2 92:7	action 115:21		afraid 189:5,9
76 72:22 73:1,3 104:2,6,10 105:13 140:22,23 141:3,9	acceptable 189:10	Actions 152:4		afternoon 7:8 121:1 122:3 123:8
760 104:9 105:15 106:7	accepted 38:15 88:21 89:13	activity 79:6,10 117:13 118:21		
8	accommodation s 15:18	actual 30:15 33:13,22 87:20 89:7 110:25 124:19 175:17 176:3 185:1		
8 6:7 25:13 29:13 32:22 78:11 81:8	accompanied 123:9 125:5 151:3	actually 24:3 26:13 62:10 95:25 112:7,18 114:24 115:19 164:19		

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: age..assumed

135:20 159:14,15	109:2 147:7 179:6	50:6 51:23 52:20	application	67:6 81:20 87:6,9
age 147:20	allowing 12:14	53:2 54:22 66:8,	29:13 42:5,19	101:17 111:23
agencies 80:3	99:13	10,14 72:22 76:9	47:24,25 49:2	189:13
115:21 116:4,14,	allows 127:23	77:15 78:20 82:24	52:3 57:12 67:7	asking 50:20
19,23 117:14	alluded 139:21	90:20 105:21	74:12 85:1 87:6	67:6 72:21 115:7
119:1,9	140:5 184:23	109:7 111:9,19,22	92:11 103:12	128:1 132:22
agency 23:11	alphabetical 9:4	142:13 144:10	applied 98:9	133:11 150:3,13
119:24 120:1	alter 88:15	annually 21:15	applies 84:22	153:15 162:20
aggregate 103:8	always 107:20	90:17 101:10	apply 104:8	178:20 180:20
agree 25:6 31:16	AMI 112:2,3,9	answer 6:21,22	175:24 176:5	aspect 47:22
32:6,19 79:15	amount 21:14	11:11 14:22 28:3	applying 164:15	69:16 116:16
86:18 96:7,9	22:6 44:6,25	29:2 48:18 49:1	165:2 176:4	119:23
98:18 101:24	100:25 109:5	77:17 99:1 100:5	appointed 6:4	aspects 28:11
126:17,20 131:23	161:3 164:13	127:12 128:2	appreciate 199:4	46:16 118:4
133:2 159:23	165:9 167:20	149:24 150:6,21	202:5	assess 108:9
160:24 165:11	170:24	166:13 188:12	approach 68:23	assessment
167:16 178:16	amounts 161:12	answered 61:5	96:5 141:2 142:10	44:16,22,24 45:8,
180:14 182:14	Amy 8:22 16:15,	72:17	175:16	10,13,20 46:18,20
199:24	22 17:18,22 30:5	answering 6:20	approaches 25:9	47:1 56:12,18,22,
agreed 13:1	analogous	answers 18:6	appropriate	24 83:15,24,25
agreement 15:5	154:15	41:17 71:9 122:22	23:16 24:11 31:25	161:6,15 180:20
80:8 168:16	analyses 53:22	124:5	76:4 77:12,21	assessments
190:10 201:3	analysis 33:17	anticipate 20:23	78:1 109:11 170:6	87:12
agrees 77:25	38:17 43:15 44:17	anticipated	approved 11:1	assets 132:2
agricultural	49:21 51:22 53:7	119:4 156:6	164:11,19 165:3	assist 44:12
81:22 82:20	54:11 56:22	AOP 167:6	184:24,25	48:23 142:16
ahead 11:17	57:13,14 58:12,13	apologies	approximate	assistance 38:8
17:13 30:1 48:7	59:14 63:14 64:19	106:21	190:2	48:3,11,13,15,17,
82:13	66:13 78:5 84:20	apologize 27:25	approximately	21 87:7,10,12
air 69:17,19,20	107:7,13,15,21	31:18 40:13 68:9	6:7 22:20 90:16,	106:3,10,20
align 100:10	108:2,7,8,14,19,	82:3 104:24 105:6	21,23 92:21 102:7	116:11,13 117:12,
109:24	20 112:10 123:9	115:1 135:1	179:12	22 143:22
alignment 99:14	125:12,17,18	187:13	Aquila 8:23	associated 61:1
all-day 7:20	133:24,25 134:14	appeal 201:12	40:14,17 41:5,8	63:12 65:11 76:2
alliance 188:22	138:16 144:7	appeals 126:21	area 87:4 142:4	136:2 137:16
Alliant 70:21,22	182:5	appearances	areas 25:8	172:4
87:24 113:3	analyst 10:18	8:8,11,16 11:25	arrived 138:25	Associates
allocated 22:8	137:12 145:15	appearing 9:19	139:23	173:22 177:11,14
allocation 24:20	analyze 30:14	10:24	ask 8:11 11:9	Association
allotment 119:2	31:23	appears 8:19,20,	12:2 18:4 24:14	79:8
allotted 118:17	analyzing 43:16	25 9:8,12,22	41:15 55:23 61:25	assume 62:1
allow 8:2 200:21	anchor 110:17	Appendix 49:21	68:10 71:7 105:22	69:12 74:10 75:20
201:1,11,15	angle 138:25	Appliance 52:11,	120:22 122:20	126:13 129:13
allowed 13:17	annual 21:3	22	155:10 164:2	141:15,20 149:2
	22:25 29:1 32:9	applicable 86:4	189:5 190:9	155:7 181:11
	44:13 49:13,17	91:22 184:2	asked 7:24 11:25	assumed 61:10
			18:16 64:18 65:4	72:24 101:20
				141:17

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: assuming..budgets

assuming 22:10 129:11 165:13	avenue 46:2	based 18:17 21:21 33:14 39:5 47:8 59:15 64:20 87:14 88:20 102:16 113:19 115:20,25 116:5 126:10 129:8 133:4 139:11 141:4,25 144:12, 15 148:1 154:8 158:20 162:1 175:1 179:13 182:5 183:19 184:18,19	56:22	borne 92:1
assumption 63:3 69:10 181:14 182:6	avoid 147:7	avoidance 125:21 158:21,25	benefit/cost 56:21 57:13 58:11 59:14 60:2 83:17, 22 102:11	bottom 39:20 161:22 163:17 165:4
assumptions 65:10 107:23 187:2	avoided 60:6,7 125:10,19 127:1 133:24 168:17 174:18,21	aware 19:24 25:17,22 39:23 43:9,12,14 54:13 64:23 85:20 100:3,12 132:3,6 151:2 156:20 201:9	benefits 19:9 22:2 49:11 59:6 60:18,20 61:1,14 67:21 92:24 181:4	bought 69:17
attached 154:7	awareness 30:14 48:20 57:3,6 58:5 83:21 84:9,18	away 164:5	Bents 135:11,12, 22,25 136:9	box 82:10,12 163:18
Attachment 126:11,14,16,24 127:14 130:5 132:8 133:4	<hr/> B <hr/>		best 48:17 61:5 88:4	braided 116:12
attachments 124:19		basing 175:15	best-suited 99:1, 3	brand 87:2,3
attention 62:24 84:25 97:11 99:5 125:8 147:2 151:21 169:14 179:22		basis 76:10 90:20 109:8 178:14 182:1,5 186:19	biannual 125:19	break 7:5,8 32:22 51:17 102:10 116:9 120:15
attorney 11:1		battery 188:7,11	big 57:14	breaks 49:22
auction 151:3 152:2 161:23 183:15		bears 92:15	bill 89:1 97:21 142:14,20	briefing 189:19 190:13
auditors 79:14		beat 69:2	billing 100:13,18, 21 112:10 176:1	briefs 15:2 199:18 200:9,10 201:8
Aurora 125:11,18		begin 8:9,15 187:6	billion 133:4	bright 143:9
author 24:10 27:25 62:22 76:15 162:19	back 7:7 26:6 31:18 37:25 38:14 57:22 64:15,18 65:4 68:16 83:24 87:17 99:9 113:18,20 115:20 119:22 120:15,19 132:17 143:13 150:6 158:23 163:23 167:8 190:12,21 202:4	beginning 113:7 156:7	bills 97:19 101:2	bring 15:8 19:8 115:20 123:22 124:2 133:12
authored 58:23	back-of-the- envelope 188:1	begins 63:2	bit 14:8 28:8 49:6 52:5 56:19 59:12 90:24 139:16,20 155:3 156:16 161:4 163:16 164:1 166:12,21, 23	brings 19:10
authority 129:1	background 7:15,16,17	behavior 112:12	Black 117:22	broad 33:11
authorization 24:21	backlog 117:1,5, 6 142:9	behavioral 56:11,13,16 57:2 67:15,20 68:14, 15,17 69:16 166:1,5,15	Blake 137:1,2,11, 14	broken 51:2 53:19
availability 142:17	backup 149:5	behavioral- based 67:13	blocks 188:23	brought 13:15
available 20:12 21:15,18,22 22:11 47:15,18 48:14,22 80:1 85:22,23 87:10 96:10 111:16 113:8,11, 13 117:24 119:7 120:4 133:12 138:17 140:11 143:8 152:6 153:4,20,23,25 154:14,22,23 160:21 182:10	BAKER 75:5,9 199:11	belaboring 128:3	Board 6:5,14 7:4 8:4 11:1,2 14:4 25:7 32:15 74:20 88:21 95:23,25 96:2,13 107:16,17 111:14,23 123:14 125:2 129:1 158:17 164:19 182:18 201:11,12	Brownwinick 9:10
	band 109:25 110:4,14	belief 31:3	Board's 123:23 201:4	Brubaker 177:11,13
	barriers 37:5	believes 74:11 75:9	bold 165:5	bucket 130:13
	base 131:24 132:5 133:3 142:15 184:1	beneficial 20:10		budget 22:7,19, 25 28:7,22 32:18 42:8 43:7,16,22 55:2,5,11,18 56:2 59:5 66:12 82:20 85:8 90:16,19 101:9 110:22 111:3,6 118:15,20 141:4,7 168:8 171:6 179:6 187:23
		benefit 78:15 92:4 93:1 117:3 134:17 149:10 178:23 179:20		budgets 65:12 167:18
		Benefit-cost		

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: build..common

build 148:9	call 7:16 8:22 9:4 40:10 70:1 87:24, 25 91:23 118:11 121:18 130:16 135:10 136:25 142:4 145:3 171:12 175:25 200:22	89:13 103:11 105:14 110:15 126:21 136:2 137:16 161:17,18 181:25 182:3	cheap 179:22	closed 14:20 109:2
building 147:7			cheat 8:16 9:18 12:5 172:23	co-pay 140:17
builds 149:16			check 25:6 42:12 56:6 59:23,25 74:2 92:7,10,16, 17 102:8 126:17, 19,23 127:2,6,11, 16,21,23 128:1, 13,15,19 132:12 133:3 138:10 144:1 145:20 147:14 172:23 187:21 202:4	Coalition 9:13 177:3
bulk 92:14		cases 11:7		Code 25:11 201:10
bullet 105:12,14, 15 106:1,6		catch 120:25		coincident 97:23 98:4
bunch 188:1	called 7:19 16:23 40:18 70:9 91:17 98:16 121:20 135:13 137:3 145:6 169:22 171:16 173:13 177:2 186:2	caused 17:23 41:8 68:10 71:1 122:14		coinciding 182:1
bundling 106:19		caveat 13:12		collaboration 23:14,17 78:12,19 79:1 85:15 113:6 116:6
burden 109:19 168:3	Calling 187:14	Cecil 6:4 12:12	check-in 77:24	collaborations 78:15
burdens 92:21	calls 16:14 19:18 40:14 61:3 70:4 135:11 137:1 145:4 171:14 173:11 176:22	CEDI 10:15,19 27:21,24 72:20 104:14,20,24 105:9 141:5	checking 127:13	collaborative 23:20 78:17 80:9
business 9:13 52:11 53:13 155:1,13 177:2		center 9:23 87:25 95:4	choice 86:8	
buy 169:25 181:25		certain 20:15 109:5 154:22 180:15,16	choices 181:25	
<hr/> C <hr/>	Camdus 33:7	certifications 120:4	choose 107:17 170:14	collect 14:12
Cadmus 17:18, 20 29:6 36:9,14 41:5,6 65:8	CAP 23:11 80:3 116:4,14,19,22 119:1,9,23 120:1 154:9,11 170:22	cetera 23:11 178:21	choosing 169:25	combination 169:17
Cadmus's 65:5	capabilities 148:2	challenging 152:3	circulate 151:6	combined 33:5, 17
calculate 37:20 112:15 164:13 175:17 187:22 188:20	capability 150:13	change 37:24 38:2 47:14,15,17, 18 68:14 90:15 91:2,5,21 109:8, 18 110:1 130:5,21 151:25 181:3,9,10 182:2,8	cited 114:5	combustible 154:19
calculated 168:7	capacity 23:10 44:12 60:7,22 61:11,14 88:25 89:4,14,19,23 103:7 110:11,12 114:4 147:8,23,24 148:10 149:14,16, 22 150:3,10,16,17 152:6 153:3 158:14,21 159:3 160:25 164:22 170:6,11 175:23 176:4 179:20 184:11	changed 43:8 60:7 108:22 112:12	claim 84:5,9	comfortable 17:3
calculates 37:25 129:9 158:10 184:17		changing 109:16	claimed 84:16	commenced 79:6,11
calculating 84:16		Chapter 8:5,6	claiming 131:15	comment 133:11 181:22
calculation 21:21 97:23 98:1 102:11 127:1,15 164:15 165:1 168:14,20 174:22 176:8,9	care 190:14,18 202:3	characteristics 154:14,16 180:11	clarification 73:17	commented 188:14
calculations 36:6 39:3,5 65:10	carefully 27:13	characterizes 184:19	clarified 104:2,6 105:12	comments 189:10
calculator 112:20,22 113:2,8	carrying 126:6	charge 126:6	clarify 72:19,22 73:1 124:20 161:9	commercial 52:12 53:9
California 102:1	case 10:11 29:13 43:15 45:3,4,9,10, 13 46:9 50:3	chart 162:12,13	clarifying 43:20 67:9	Commission 7:21
			class 92:2,8,15	commitment 170:19
			classes 92:1,6	committee 65:25
			Clean 10:12,18 27:21 72:15 104:3 186:2,13	common 127:22
			clean-up 28:4	
			cleanest 143:20	
			close 22:10 57:11 89:7,8,12 117:25 118:1	

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: communication..corrections

communication 160:11	154:3 168:16 182:25	6,8,13 82:9,10 106:24,25 107:1 121:6,8,9 124:14, 16,19 189:20,22, 24 190:1,7,8,25	consultants 26:9	converse 179:17
communication s 68:21	components 32:8 52:8,10 53:23,24 54:5		consulting 36:15	cooling 87:15
communities 141:1,3	57:9,10 69:5 77:14 78:6	Confidential/ trade 82:7	Consumer 9:1,3 67:5 79:9 135:13, 23 137:3,13 145:6 171:16,25	cooperatives 79:8
community 115:21 141:1 188:23	composition 154:18	confirm 48:19 77:25 101:1 133:14	consuming 68:24	copies 26:14
company 11:2,3, 20 16:14,23 18:11 40:19 41:22 54:11 68:3 70:4,10 72:18 73:8 121:21 122:8,10 123:2 130:14 199:20 201:18	compositions 154:5	confirmation 53:3	consumption 130:4	copy 76:21 80:19 82:16 94:8,25 156:24
company's 38:19 135:7	compromise 110:3	confirming 56:5	contained 29:12 190:24	corner 39:20
comparative 68:22	computation 126:8,10	conflict 33:9 36:16	contains 189:24	correct 10:15 19:14,15,22,23 20:6 22:13 24:24 25:2 28:23,24 29:10 30:16 32:3, 24,25 33:4 34:22 37:16 39:7 42:8 43:5,6 44:10,17, 23 45:2,5 46:4,23, 24 47:3 50:1 51:9 52:2,18 53:11 54:11,12 55:14,15 56:17,23 57:4 58:8,13,14 59:18, 21 66:4,8 68:4 71:13,25 72:4 73:4 74:21 86:13, 16 88:8,15,23 89:1,5,16,19,20 90:11 91:20 92:4 95:17 97:16 98:8 99:16,17,24 101:1,10 105:21 108:10 110:17 120:20,21 123:10, 11 125:12,13 126:8,9,11,12,15 127:10 130:19,23 132:9,10 143:16 151:10 154:24 155:5 158:11 160:23 161:8,19, 24 162:3 164:13, 16,20 165:6,10,15 176:18,19 178:2 185:19 190:16 199:10 201:5
comparatively 68:25	computed 165:13	conjunction 116:19	context 151:7	
compare 22:7	computing 164:11 184:20	connected 113:9	continue 36:8 50:5 77:19 78:17, 22 81:18 109:13 152:1	
compared 67:17	concern 96:5 110:10	conservative 69:10	continued 82:23 163:13,21	
compensate 110:10	concerned 79:19,20,23 92:19	consideration 23:9 27:12 150:1 160:18 170:11 171:7	continues 20:5 95:14 170:6	
compensation 167:14	concerns 79:18 92:18 157:17 184:13	considerations 25:23 167:17 168:15 182:11,15	continuing 66:4 125:15 181:1	
complete 119:18 125:2 135:5 173:5	conclusion 115:18 139:23	considered 31:2, 14 33:8 36:16 45:8 46:8 69:13 102:6 112:3	contract 91:15 98:11 100:10 109:17 110:4 176:2	
completed 77:23 96:12 112:22	concretely 118:13	consist 45:22	contracted 120:2	
completely 118:1	condition 153:14	consistent 54:24 56:15 114:7 199:11	contractor 32:2 33:13	
completes 135:7 185:19	conditioner 69:18,19,20	constantly 20:23	contractors 117:15,23 119:6, 25 120:3	
completing 112:24	conduct 6:5 20:20 37:9,12 38:5 44:18	constitute 95:3, 10	contracts 109:20 182:4	
compliance 156:18	conducting 33:12 63:14	construct 99:19, 22 100:14 164:5 167:14	contractual 99:14 180:9 182:10	
component 25:14 28:12 52:22,23 54:16 60:16,24 68:20 77:21 84:22 140:17 151:18	conducts 14:4	construction 52:12 53:9	control 112:11 131:11 156:13	corrected 17:8
	CONE 98:1 110:1,15 157:8 165:17,18,19 175:16 176:5	consultant 10:17 95:20 122:12 131:20 186:18	conversation 115:6	correction 110:14,15
	confidential 14:17,19,23 15:4,			corrections 18:1 41:12 71:4 122:17

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: correctly..definite

174:2 177:20 187:1	148:25 149:3,8,17 160:9 174:17,18, 21 175:2 178:19, 21,22 179:21 182:16	cross-examination 6:16 8:2,10 11:15, 20 14:9 19:1 39:10 42:1 62:17 66:7 73:13 83:13 97:8 103:1 123:6 126:2 136:9 137:24 146:8,14 159:12 172:12 174:6 187:6	170:2 178:13	25 95:2,4,5 104:3, 14,20,25 105:9 112:2,3,10 141:6 148:21 161:12 165:13
correctly 112:21	Council 10:1,3		customer's 98:10,13 178:17	
correlate 130:4	counsel 10:19,20 127:15 186:6		customers 19:9 20:13 21:18,24 22:12,13 24:23 25:14,19 26:25 27:3 47:13,16 48:14,18,22 60:21,24 61:2 68:21 69:3 81:22 87:8 88:1 90:22 91:4,18 92:4,19, 22 93:1 97:18 99:13 100:10 102:18 104:2,10 109:7,20 110:3, 11,13,19 112:14 116:5,8 117:2 118:23 119:3,6 130:15,17 140:15, 23,24 141:4,9,15, 22 142:10,11,17 148:13,17,25 149:10,17,18,20 156:17 157:16,19, 22 158:1 160:17, 21 167:20,23 168:1,4,5 170:13 175:23 179:18,23, 25 180:15 181:17, 18,24 182:21 183:2,9,10	date 6:6 39:21 75:2
correspondingly 110:20	country 10:21			dated 75:6 162:2
cost 54:17,18,23 60:1 63:3,12 86:18,20,22,25 92:9,15,25 93:2 102:7,10,13,18 107:22 123:9 125:10,19,21 133:24 134:9 138:23 140:1 141:16 159:2,19 160:6,7,9 168:12, 17 174:22 178:12, 23 182:22	couple 12:3 35:25 39:11 66:24 68:10 101:5 106:23 155:10	cross- examining 10:8, 25 11:14		Dave 9:10 147:20
cost-effective 27:11 37:19 38:1, 15 56:3 58:7 66:18 67:25 68:6 134:14 138:20 139:15,17 141:24	coupled 108:16 138:13 139:1 141:12	cross-function 160:16		David 173:11,12, 20
cost-effectiveness 25:23 27:14 37:21 38:6 39:2 49:11 51:8,10,16,21 53:6,22,25 54:5,9, 10,14 57:8 59:7 63:14 64:20 65:11 66:10,13 67:11,22 78:5 84:6,17,20 102:15 138:15 139:2 144:7 158:19 168:7 187:23 188:21 189:2	court 11:23 14:13 199:14	cross-rebuttal 12:9,15,21 13:3, 20 145:18 150:24 159:17 160:20 161:23 162:10 163:24 164:7 177:17,23 178:6,7		day 6:10 7:2 159:6
cost-justified 140:14	cover 99:24	CT 154:2,5,14		days 199:15,20 201:3,11,15 202:1
cost/benefit 107:6,12,15,21 108:2,8,14,19	covered 183:18	cumbersome 127:25		deal 28:4
costs 22:1 43:3 49:11 59:5 60:6,7 63:5,13 91:25 101:20,21 127:1 131:16 133:25 134:4,8 141:18	COVID-19 119:17	cumulative 72:23,24		dealing 154:12 201:9
	CRC 153:10	cure 132:24		dealt 202:5
	creates 168:3	current 44:9 46:3 52:12,14 88:18,19 90:5,9,23 97:22 98:8 115:15 119:24 134:5 161:5,10 164:10 165:9,19 170:11 183:19,22 184:19		death 183:9
	creating 100:23	curriculum 79:22,24 80:2		debate 139:16,20
	credit 88:8,15,19 89:1,21 90:10,11, 17 91:2,14,25 92:20,25 93:2 97:23 98:6 100:24 108:23 109:8 110:19 114:5 142:14 154:7 160:14 164:13 165:9 167:10,13 170:24 171:5 178:14 179:5,10, 13,16 180:12 182:12 184:17,20 199:3,6	curtail 148:14,18 171:5		decades 159:1
	credits 101:8 160:17 175:14 183:19	curtailed 157:16, 19,22 158:2		December 73:23 75:10 123:17 148:23
	criteria 11:6	customer 69:1 87:13,19,21,24 92:1,6 101:2 119:19 141:10 142:15 143:18 156:15 159:20,24 166:8 169:24		decide 190:19 199:5
	critical 166:21 167:7		customers' 112:16 113:9	decided 113:3
	cross-exam 10:5		cut 141:9 181:17	decides 66:16
			cutoff 143:9	deciding 159:25
			cycle 84:23	decision 6:6 7:25 48:23 91:8 179:4 201:10
			cycles 25:21	decisions 178:17
			<hr/> D <hr/>	decreased 131:5 159:3
			damage 160:9 178:21	deemed 66:1
			data 24:1,7 27:24 28:6 53:18,21 58:21 62:20 72:3, 17,20 73:24 76:13,15,21 80:14,16,19 81:23 82:17 94:6,8,22,	defer 102:1

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: definition..Easler

definition 130:12 139:18 143:14 144:12	designated 107:16 122:1,14 24:16 125:8,9,14 129:17 135:18 136:1	discussion 119:13 142:2 57:21 142:8 162:1 143:1 182:23	
degree 167:3 180:5,17	designed 26:23	discussions 83:12	donating 188:23
delayed 169:18	desire 201:2	dismiss 121:4	double-check 33:2
delaying 152:5	detail 26:4 28:7,8, 15,22,25 29:5 33:21 50:5,10,22 77:20,22 78:1,9 82:23 96:9	dispatch 154:3	doubled 19:21
deliver 79:14	details 50:20 60:10 95:16,20 96:7	dispatchability 153:13	draw 147:2
demand 32:8 36:24 43:11 59:15,24 63:5,11 70:24 77:14 85:24 86:3,6 88:4 89:16 92:5 98:10,11,14, 15,20 99:14 102:17 103:8 108:16 112:15 138:14,19 139:1 141:12 142:12 143:3 154:12,16 155:2 156:11,15 157:13,20 161:3 166:2,6,15 167:10,14 169:17 170:22,25 175:11 176:1 180:9 182:10 183:4	determination 37:18 51:4,15 111:1 125:11	dispatchable 153:4,18 154:19	drift 140:18
demands 100:10 176:2	determine 11:10 23:20 36:23 66:17 108:9	displayed 27:23	drive 30:15
demonstrate 56:20 98:19	determined 21:9 33:23 38:14 50:9 139:19	distinct 32:7 77:13	driven 169:17
demonstrated 169:16	deterministic 164:6	distinction 84:3, 15	drop 181:17,18 183:2,10,11
denominator 129:20,23,24 130:21	develop 33:13 36:5 66:7,13 79:21,24 95:20 113:2,3	distribute 14:13 93:21	due 25:23 108:25 109:19 130:14 131:17 132:5 157:16,24
Department 118:8	developed 19:25	distributed 19:18 91:9	duly 16:24 40:19 70:10 121:21 135:14 137:4 145:7 171:17 173:14 177:3 186:3
depending 87:2 107:7	developing 20:3 65:18 80:1	distribution 95:6	Dustin 9:18
derived 89:4,6	development 19:19 21:2 44:22	Districts 10:12, 18 27:22 72:16 104:4 186:2,13	Dynamics 39:25 115:16 139:21 142:6 143:11
describe 116:12	devote 30:13	divide 10:6	
described 45:6	diesel 149:5	divided 130:17, 22	E
describing 97:15	difference 22:1 98:9 153:12 175:20,21	division 125:20	e-mail 68:21
design 36:17 154:17 163:21 166:16 170:8 178:14	differently 186:7	docket 6:3 55:10 88:21 126:20 129:15 134:1 172:3 173:25 184:21 186:22 187:24	EA 58:2,4
	difficult 10:13 109:6	document 26:18 29:21 30:4,6 60:19 66:1 76:12 80:15 82:19 105:11 145:19 151:6,17,18	EAC 150:3
	direct 6:20 13:19 17:14,23 19:6 41:1,9 44:20 45:7 48:2 62:24 67:3 70:15 71:1,12 72:16 84:25 88:6 97:10 99:5 104:19	discuss 15:2 44:21 81:17 125:16 161:23 164:10	earlier 25:18 55:4 103:25 106:22 112:9 120:25 132:7 139:22
		discussed 60:11	early 110:5
		discusses 43:2	earning 140:15
		discussing 19:7 76:1 77:11 78:12 112:9 167:19	earnings 131:25
		DOE 20:2	easier 105:6
		dollars 20:10 21:19 59:8 118:2	Easler 9:2 13:8 16:3,4 18:23 19:2 23:25 24:6,15,19 26:13,15 29:24 30:2 33:25 34:16,

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: easy..examination

22 35:2 42:2,18, 24 43:1 48:8 49:5, 8 55:25 57:24 61:17 62:7 71:23 72:5 73:12,14 74:8,16 75:14,19, 23 76:23 77:10 80:21 81:7,24 82:5,14 83:2,11 90:4,8 93:4,17,20 94:3,10,20 96:17 97:5 101:6 113:23 114:2,12 169:10 171:8 172:9 174:11	15 87:21 88:21 90:1 102:17 109:24 111:9 112:4 113:1,10 116:8 117:19 123:10 131:9,17 132:5 157:20,23 175:12 184:6	120:24 121:3,12	10 116:7 117:19 123:9 125:10 131:9,17 132:5 139:14 155:17 157:19,23 158:16 173:13 175:12 177:2 184:6 186:2,13 199:23	175:2,5
easy 8:14	efficient 49:12 50:17 52:5,17 69:17 83:20 84:11,22 85:23 86:15 128:6	Ellsworth's 18:9	engage 38:5,20	essential 125:4
economic 159:18 178:12,17 179:3 180:3 181:23	effort 80:9	EM&V 20:21 29:7,9 30:13 32:6, 25 33:5,8,12,17, 22 34:22 36:2,13, 18,21 37:9,12 38:25 39:24 46:1 81:9,14 95:10,13, 16 96:3 111:8 115:13,15,16 139:12 143:12	engaged 26:8 78:13	essentially 68:23,24 170:18 175:6
economics 183:8	efforts 30:13 31:11,24,25 78:12,17 199:4	Emergency 156:15	engineer 135:23	established 23:9 161:19
education 48:20 57:7 58:4 83:21 84:9,14,18	efforts' 30:14	Emory 154:4	engineering 95:14	estimate 22:9 44:5 90:15 168:12
educational 56:23 57:9 68:20 69:3,5 83:16 84:4	elastic 181:13	employed 167:22 186:12,16	enhancing 147:8	estimated 106:8
EECR 168:3	elasticity 181:5, 15,20,23	employee 10:15 11:4	enough 21:25 74:16 96:17 107:20 111:1 120:3	estimation 56:1
EEP 107:8 158:23 164:16,18,20	elected 85:21	employees 107:12 120:1	enrolled 90:22	evaluate 23:6 36:17
EEP-2018-0003 184:21	electric 47:12 125:10 131:15	employer 17:17 41:4 70:20 122:6 177:10	enrollment 108:16 138:14 142:12	evaluating 33:14 37:3
EEP-2022-0150 6:3	electricity 26:25	emulated 168:11	ensure 163:21 167:25 180:3	evaluation 25:25 26:5,8,20 30:23 31:11 32:1,21 33:15 36:15,22 37:3 81:9 95:4,15
effect 21:16 110:22,24 134:15	electronic 15:6 75:12 201:4	end 14:19 15:2 57:11 69:6 175:17	enter 27:18	evening 7:3
effective 69:20 188:6,10	electronically 201:25	end-use 156:15	entered 41:21 123:1 172:10	event 63:6,10,11 169:25
effectiveness 31:24	elects 38:20	energy 7:18 8:6 9:13 10:12,18 19:19 21:4 25:18, 20 26:19,20,23 27:21 29:17 32:8 33:10 36:1,23,25 44:9,13,25 45:23 46:12,13 47:12 48:19 52:10,11 53:13 54:14 55:5, 11,15 56:14 57:2, 3,6 60:6 62:20 65:19 67:11,12, 17,18,22,24 68:1 69:2,4,7 70:21,23 72:15 76:5 77:14 78:13 79:9 83:13 84:5,9,21 85:1,14 87:12,21,25 88:21 90:1 102:17 104:3 109:24 111:9 112:4,8 113:1,3,	entire 153:21,24	events 60:25
efficiency 7:18 8:7 19:10 21:4 25:18 26:19 29:17 32:8 33:10 36:1 44:9,13 47:12 50:23 65:19 67:17,18 76:6 77:14 78:13 85:1,	elements 45:6	end-use 156:15	entirety 95:3	everybody's 23:25
	eligible 73:23 92:2 143:21	energy 7:18 8:6 9:13 10:12,18 19:19 21:4 25:18, 20 26:19,20,23 27:21 29:17 32:8 33:10 36:1,23,25 44:9,13,25 45:23 46:12,13 47:12 48:19 52:10,11 53:13 54:14 55:5, 11,15 56:14 57:2, 3,6 60:6 62:20 65:19 67:11,12, 17,18,22,24 68:1 69:2,4,7 70:21,23 72:15 76:5 77:14 78:13 79:9 83:13 84:5,9,21 85:1,14 87:12,21,25 88:21 90:1 102:17 104:3 109:24 111:9 112:4,8 113:1,3,	Environmental 9:22 10:1,3	evidence 7:24 35:4 61:20 62:6 63:19 64:2 77:2,9 80:24 81:6 82:2 83:10 93:8 94:13, 19 96:22 97:4 152:13,20 155:19 156:2 162:7,24 163:6 189:18 190:15
	eliminated 166:7,12	emulated 168:11	envisioned 113:1	exact 54:8,15 56:5
	eliminating 114:4	end-use 156:15	equipment 117:20 160:9 178:21	exactly 44:5 60:9 69:19 85:12 118:5 127:5 181:3
	elimination 166:25	energy 7:18 8:6 9:13 10:12,18 19:19 21:4 25:18, 20 26:19,20,23 27:21 29:17 32:8 33:10 36:1,23,25 44:9,13,25 45:23 46:12,13 47:12 48:19 52:10,11 53:13 54:14 55:5, 11,15 56:14 57:2, 3,6 60:6 62:20 65:19 67:11,12, 17,18,22,24 68:1 69:2,4,7 70:21,23 72:15 76:5 77:14 78:13 79:9 83:13 84:5,9,21 85:1,14 87:12,21,25 88:21 90:1 102:17 104:3 109:24 111:9 112:4,8 113:1,3,	equity 126:17,22, 25	examination 13:19 17:14 39:17 41:1 43:22 67:1 70:15 114:21 122:1 135:18 137:7 145:11
	Ellsworth 8:23 16:15,22 17:16, 18,22 18:11 19:3 24:8 26:16 30:3,5 39:19,23 55:1 64:18 65:4 75:25 76:11 77:12 114:25 115:7	end-use 156:15	ERCR 168:4	
		energy 7:18 8:6 9:13 10:12,18 19:19 21:4 25:18, 20 26:19,20,23 27:21 29:17 32:8 33:10 36:1,23,25 44:9,13,25 45:23 46:12,13 47:12 48:19 52:10,11 53:13 54:14 55:5, 11,15 56:14 57:2, 3,6 60:6 62:20 65:19 67:11,12, 17,18,22,24 68:1 69:2,4,7 70:21,23 72:15 76:5 77:14 78:13 79:9 83:13 84:5,9,21 85:1,14 87:12,21,25 88:21 90:1 102:17 104:3 109:24 111:9 112:4,8 113:1,3,	error 71:13,16,17 72:1	
		end-use 156:15	Ervin 173:22	
		energy 7:18 8:6 9:13 10:12,18 19:19 21:4 25:18, 20 26:19,20,23 27:21 29:17 32:8 33:10 36:1,23,25 44:9,13,25 45:23 46:12,13 47:12 48:19 52:10,11 53:13 54:14 55:5, 11,15 56:14 57:2, 3,6 60:6 62:20 65:19 67:11,12, 17,18,22,24 68:1 69:2,4,7 70:21,23 72:15 76:5 77:14 78:13 79:9 83:13 84:5,9,21 85:1,14 87:12,21,25 88:21 90:1 102:17 104:3 109:24 111:9 112:4,8 113:1,3,	especially 30:24 31:1,13 142:2	

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: examined..five-year

169:11 171:20 173:16 177:7	57:12,15,20 58:15,16,20 59:19 60:22 61:18 62:10,12 63:17, 18,21,24 64:1 67:7 76:12,18,24 77:1,4,7,8 80:12, 13,22,23 81:1,4,5, 8,25 82:1,4,5 83:3,5,8,9 84:1 85:1 87:6 90:7 91:9 92:12 93:6,7, 10,14,18,24,25 94:5,11,12,18,21 96:20,21,24 97:3, 22 101:13,17 104:16,18,22,24 107:1 114:24 126:5 133:13 148:2,22 150:15 151:10 152:11,12, 15,19 155:5,17, 18,21,24 156:1 162:5,6,14,22,23 163:1,4,5,8 169:14 189:24	11:13 178:25 expected 13:22 20:25 expecting 60:2 expensive 138:24 experience 102:16 expert 47:7 98:22 102:14 expertise 102:1 experts 88:3 explain 35:25 65:5 67:10 68:14 explanation 176:8 explore 25:8 express 98:5 expressed 79:18 extend 78:4 extending 91:15 extensive 7:16 111:1 extensively 188:14 extent 76:7,10 78:18 111:14 155:15 183:6 extreme 152:9	110:3 132:24 fairly 22:10 114:7 fall 78:20 falling 30:25 31:12 familiar 11:18 25:3,10,25 30:6 40:1,2 47:5,7 51:24 54:4 61:6,7 124:10,24 126:13 131:21 154:25 155:14 162:16,20 family 140:7 144:10 farther 162:10 fault 72:2 faulty 182:5 federal 25:16 27:5 47:2 106:19 116:13 117:9,17 119:14 120:3 140:6,13,16,19 143:23 federally 129:1 feedback 87:14 108:20 feel 13:18 110:17 111:16 161:2 167:4,21 182:19 felt 109:10 110:2 figure 7:9 16:2 21:17 figures 22:10 file 17:9 51:7,25 77:19 95:22 96:11 111:8 199:18,20 200:5,14,17,21,24 201:1,25 filed 12:13 17:22, 23 26:2 27:21 38:4 39:2 41:9 59:19 60:18 70:25 71:1 74:9,21 88:17 95:25 104:4 122:13,14 123:13, 16,24 125:6 136:1 137:15 158:16	173:23 177:16 199:21 201:4 filing 29:18 51:23 53:1 74:9,13 75:12 77:15 85:16 88:7,14,16,17 90:2 123:14 125:3,5,19 126:11,14 129:5 132:8 201:5 filings 125:22 133:5 fill 115:22 final 29:15 68:5 96:1 finalized 65:19 finally 180:2 find 14:6,15 105:2,13 124:1,9, 11 finding 120:2 fine 28:3 147:21 150:7,8 201:19 finish 6:9 firm 9:10 36:15 44:18 91:14 98:11 99:13 176:2 183:4 188:14 first 11:20 16:11, 24 17:6 35:25 40:19 48:9 60:6 62:25 67:3 70:10 86:8,11 105:14 106:1,6 121:21 135:10,14 137:4 145:7 148:3,6 150:5 155:11 171:17 173:14 177:3 179:8,15 186:3 188:18 fit 110:23 166:24 fitting 143:11 five 30:7 36:8 37:9 91:16 147:3 164:16 175:5 183:24 five-year 20:22 23:7 37:13 104:7
examined 16:25 40:20 45:18 70:11 121:22 135:15 137:5 145:8 171:18 173:15 177:4 186:4 example 49:20 51:20 150:3 154:2,4 166:19 167:20 188:21 exceed 92:25 142:3 181:3 exceeds 102:19 except 80:7 159:5 189:19 exception 140:1 excess 55:2 147:23,24 149:22 150:3,10,16,17 158:13 excluded 139:18 144:12 exclusion 58:10 exclusively 182:11 Excuse 123:18 excused 121:16 executive 10:21 exempt 56:21 57:7 83:16,22 exercise 77:24 80:11 exhausts 167:17 171:2,6 exhibit 14:5,11 23:22,23,24 24:5, 16 26:12,14,22 27:17,21 29:13, 15,16 32:22 33:16 34:1,2,5,13,14,19, 20 35:3,6,9,10 39:16,19 42:6,20 43:3 47:25 49:2,3, 6,16 51:20 52:4 54:21 56:10	exhibits 61:19,22 62:3,5 93:21 136:2,8 137:16,22 146:7 172:4,10 173:24 174:3 199:8 201:25 exist 180:11 existence 147:13 existing 23:11 45:3,11,12,15 152:6 expand 20:12 expanded 139:25 expanding 27:10 45:11 expands 20:16 expansion 24:21 27:12,13 45:15 expect 6:15 14:21 20:18 37:8 68:17 77:24 91:1, 4 102:21 175:22 expectation	F facilities 188:7, 11 facility 63:9 fact 34:21 72:1 101:20 127:24 139:1 181:16 183:18 factor 100:1 factors 90:10 159:24 fair 11:12 96:17		

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: fleet..hearing

109:16 164:19 170:9 183:24 fleet 152:1 flexibility 147:8 154:13,18 flight 120:25 flowed 101:2 focus 26:17 31:12 focused 46:17,21 folks 119:20 140:12 follow 66:2 81:18 108:13 follow-up 73:16 114:3 followed 88:17 following 103:13 follows 16:25 40:20 70:11 121:22 135:15 137:5 145:8 171:18 173:15 177:4 186:4 font 51:21 forced 154:6,10 forecast 89:6,11 164:19,23 183:20 forecasted 99:24 129:10 149:21 150:9 forecasts 184:25 foregone 149:6 forget 69:8 forgot 121:6 202:4 form 48:22 formula 129:25 forward 107:18 179:1 foundation 155:10	four 8:21 17:8 52:7 99:2,3,19 100:11,16 109:4 140:7 144:10 four-person 117:11 frame 26:7 67:21 framework 33:11 franchise 131:15 free 108:15 138:13 frequency 160:3 178:25 183:1,3,11 frequent 158:3 183:7 fresh 73:16 front 101:12 127:14 156:25 fuel 27:1 full 77:23 95:14 97:25 98:1 103:7 107:20 119:2 162:4 fully 119:10,11 function 10:16 37:4 159:19 178:13 functionality 100:23 fund 118:9 funding 21:14,18 79:25 116:12,14 118:17 119:14,15 140:10 funds 22:12 118:15 119:10 future 30:13 69:9 131:7 152:7 184:5,13 185:1 <hr/> G <hr/> gap 117:8,14,25 gas 15:7,9,16	Gehrke 8:23 21:11 24:14,17 27:19 29:2,8 40:4 43:13 45:7 49:1 61:5 70:4,8,17,21, 25 73:8,15 75:24 80:15 82:15 83:12 94:4 97:10 103:3 104:4,6 106:23 121:10 139:22 140:5 Gehrke's 43:14 73:6 104:1 105:10 general 27:15 54:7 84:14 92:2, 14 95:18 99:15 119:12 127:25 159:2 181:24 generally 33:8 36:11,18,23 37:2 85:20 86:19,21 107:14,19,23 115:9 120:1 generation 147:8 151:25 169:18 179:21 generators 149:5 geothermal 48:24 germane 182:12 get along 145:25 give 6:12 18:5 41:16 49:4 71:8 99:7 109:2 119:12 122:21 128:15 142:13 154:2 184:4 201:1 giving 114:9 glad 13:14 goal 81:22 goals 6:8 23:6,8 32:19 36:25 37:7 82:20 86:10 good 6:2 17:16 19:3,4 28:5 29:7 41:3 42:3,4 51:6, 14 70:17,18 73:15 74:8,16 103:3,4	122:3 123:8 135:20 159:14,15 200:3 Goode 9:15 Gosh 112:17 gotcha 128:5 governed 8:3 grant 19:24 grants 19:18 granularity 50:13 gray 142:4 great 78:10,14 greater 181:11 greatly 139:2 green 42:14 151:22 163:16,18 grounded 49:4 group 17:19 25:19 41:5 62:20 112:14 155:17 173:13 199:23 groups 112:11, 12 grow 161:8,10,16 grown 131:5,6 guaranteeing 200:25 guess 7:16 14:16 16:11 72:3 80:6 98:3 111:4 124:18 148:8 188:5 200:21 guided 79:7 guidelines 20:3 117:17 guy 65:9 <hr/> H <hr/> Haley 9:9 half 56:2 179:14 181:18	hand 16:21 40:16 70:7 handed 58:17 handle 12:23 hang 57:25 happen 113:9 170:15 happened 66:19 happening 118:12 happens 110:16 127:21 156:17 happy 111:25 168:21 hard 132:11 hastily 189:4 head 60:10 heap 88:18 hear 12:25 42:15 150:5 199:2 heard 107:6 174:16 hearing 6:5 7:20 8:1 10:24 11:19 12:17 14:11 15:2, 9,14 23:23,24 24:5,16 26:12,14 27:17 29:15,16 34:1,2,5,14,19,20 35:3,6,8,9,10 39:15,19 42:11 49:3,6,16 51:19 54:21 58:15,16,20 61:18,19,22 62:3, 5,12 63:18,21,23 64:1 76:12,24 77:1,4,6,8 80:12, 13,22,23 81:1,3,5, 24 82:1,4,5 83:3, 5,7,9 90:7 93:5,7, 10,12,14,18,21, 24,25 94:5,11,12, 16,18,21 96:20, 21,24 97:1,3 101:16 114:24 132:18 151:10 152:11,12,15,17, 19 155:4,18,21,23
--	---	--	--	---

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: hearings..incur

156:1 162:5,6,14, 21,23 163:1,3,5,8 169:14 199:5,8 202:6,7	110:16 161:4,13 166:13,14,23 167:3 169:19	172:17,19,21 173:10 176:14,19, 21 185:12,14,17, 21 187:17 188:17	58:17,18 80:15 94:4,21	86:9 102:6 158:10 179:24 180:1,6
hearings 7:22	higher-income 140:12	hoping 7:2	IDHR 80:9	incident 179:19
heat 48:24 188:22	highest 138:20	hot 188:22	imagine 79:4,5	include 76:9 133:25 134:3,8 160:8
heaters 188:23	highlighted 26:22 27:7 151:22 155:8 156:7 163:16	hour 7:8 157:12	immediate 170:11 182:5	included 111:13 134:5 144:6 151:14 160:18 168:18,19 174:17, 21
heating 26:25 87:15	Hills 117:22	hourly 186:19	impact 49:21 78:8,24 90:15 119:3,17	
held 7:21 57:21	hire 119:24	hours 182:23	impacted 112:13 184:15	includes 38:25 48:2 60:23
Hello 122:4	hired 38:23,24	household 140:8	impacts 21:7 47:2,21 76:4 168:8 187:23	including 13:2 48:11 83:19,20 158:20
help 8:13 38:24 52:20 66:8,9 117:13,22,24 118:8,9 124:2 128:19 151:6	hires 33:13	households 72:10 106:2,8 138:15	implement 48:24	inclusion 60:17
helpful 132:15 168:20 180:24	historical 23:9	however 27:10 29:9 36:15 182:18,25	implementation 111:23	income 27:1,4 28:1 55:2 58:4 140:8 144:10 188:25
helping 32:5 87:21	history 119:1	Human 118:8	implementer 116:23	
Herndon 9:14,20 13:11,12,22 16:5, 6 34:8,9 35:19,20 64:6,7 102:24 103:2,14 114:15, 16 133:18,19 136:15,16 138:5,6 144:20,21 159:11, 13 162:8 163:7 165:20 169:5,6 172:18,19 174:12, 13 176:20,21 177:8 178:7,10 185:3,20 187:15, 16 200:2,3 201:21	hold 14:18,23 45:20	HVAC 46:21,22	imports 152:7 169:18	income-qualified 85:25 115:17
	home 7:14 25:20 26:19,23 52:10 54:14 55:5,11,15 56:14 57:1 67:10, 12,22,24 68:1,25 83:13 84:5,21 87:11,15 112:8 117:11 139:14 141:10,21	hyphen 186:10	implementers 79:14	incomes 25:15
	homeowners 54:23	I	implications 23:13	incorporate 89:23
	homes 73:18 86:2 116:15 119:7,16,19,21	IAC 25:7	importance 79:12	incorporated 88:24 112:18 177:12
	Honor 14:25 15:3,22,25 16:4, 13 17:11 18:8 35:18 40:6,9,12, 23 41:19 62:9,16 64:3 70:3 71:11 73:5 75:5 102:23 103:17 106:21 113:22 114:14 120:9 121:17 122:24 126:1 133:16 134:23 135:6 136:14 138:4 146:13 151:11 152:21 155:6 156:3 163:7 166:11 169:2,4,6	lano 8:24 60:13 121:18,19 122:7, 13 123:2	important 30:24 32:6,15 159:24	incorrect 187:2
HES 27:3		lano's 122:25	impossible 159:18 178:12,16	increase 20:15 47:11,21 59:9 90:16 93:2 101:9 119:5 129:9,10,11 131:25 165:8,16 166:10 167:5,16 170:23 171:4 175:4,6 183:3
Hey 68:23		IBEC 9:15 12:13, 23 162:5,6,13,21, 23 163:1,5,8 176:21	improve 58:12 139:2	increased 91:2 133:3 159:3,5 165:12 167:1
high 27:1 45:4,14, 18,19 46:15 118:2 154:9 157:24 161:18 180:21 182:24		IBEC's 9:16 169:14	improved 37:4	increases 131:24 132:4
high-impact 31:2,14		ICAP 154:11	in-person 87:23	increasing 59:6 168:2 175:9
high-level 157:1		idea 6:12 86:5	incentive 19:10 86:12,17 90:16,19 101:9,21 102:10, 13 166:5,13,14, 18,23 167:4,25 168:3,8 178:22 179:5 181:10,16 182:2,12,19,20,24 183:1 184:1	incur 148:25
high-load 100:1		ideas 119:12 188:24	incentives 22:5 28:10 47:8 63:4	
higher 92:19		identified 79:16 92:22 117:15 118:13 140:23,24 167:6		
		identifies 47:25		
		identify 24:22 26:18 29:21 30:3		

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: indicate..items

149:6	install 48:2 86:1 141:18	98:6,9 101:8,9 102:6 114:5	Iowa 6:5 9:13,25 10:3,12,18 16:23	IPL's 19:9,13 20:11,15 21:16,18
indicate 8:12 14:22 20:9 25:13	installation 85:9, 13,16 86:9 117:19 141:18	147:6,12 148:13, 14,17,25 149:1, 11,13 153:7,17,20	25:4 27:22 36:15, 19 79:7 104:4 117:23 118:8	22:2,17 23:6 24:1, 20 25:13,17 29:1, 9,13 32:21 33:8
indicated 8:1 74:3 160:24 179:11	instance 15:5 160:3	154:17,21 156:12, 17,18,25 157:14, 22 158:1,9,20	128:25 129:4 140:9 170:21 177:2 186:2,14 201:10	42:5,19 43:2 44:9, 12,16,25 47:10,13 54:11 55:13,18 76:13 78:16,25
indicates 165:4 180:21	instances 69:12	159:19,24 160:1, 17,22,25 161:7 164:11 167:9,22	Iowa's 58:7 72:16 106:10	80:13,16 81:21 88:7,19 90:9 92:1, 21 94:6,22 99:14 100:1 101:8 106:2
indicating 16:17 87:7 99:8 183:15	instantaneous 182:1	168:9 169:24 170:7,24 175:14, 22,23 176:1,4	IPL 13:5 16:20 20:17,20 21:3,6, 24 22:12 26:6,9, 19 27:1 28:10	111:22 123:9 124:8 125:2,4,10, 18 126:20 130:3 131:8 138:19
indication 184:4	institutional 28:21 104:11	178:14 179:4,5, 20,23 180:4 181:19 184:17,20	30:12 31:22 32:5, 6 33:13 34:6 36:5, 10 37:9,23 38:8, 20 40:14 43:7,25	148:24 149:10 156:18,21,22,24 158:1 164:10,19 165:2 166:1
indicative 184:5	integrated 129:4 158:16	interruption 61:4 91:23 98:15 160:6,10 178:19 182:17	44:21 45:24 46:3, 18 48:25 49:9 51:4 52:1,20 53:2, 3 56:1 57:1 59:22	175:14 179:12 180:11 184:19
individual 159:19 178:13,17, 19	intend 118:16,20	interruptions 160:4 169:22,23, 24 178:25 183:1, 3,8,11	61:3,23 65:5,15 66:4,10,16 67:23 72:3,10 73:22 74:3,11 76:4 77:13 78:13,14 80:11 81:12,15 82:10 84:3 87:17	IQ 58:1,2,4
individually 54:6	intended 157:1 166:16	Interstate 8:19, 21 11:19 16:14 18:10 40:18 41:21 68:3 70:4,9 72:18 73:7 81:21 121:20 122:7,9 123:1 135:7 199:19 201:17	88:20 89:25 90:19 95:13 96:11 98:19,25 99:22 103:7 104:4,20,24 106:8,18 107:9,11 108:8,15 109:7 111:7,8 112:3,21 115:20 116:3,15 119:2,10 120:20 121:17 130:1,2 131:11,14 132:3 138:1,13,24 139:12 141:4 142:16 144:15 146:9,10 147:7,22 148:9,13,17 149:14,16,21 150:9,13,20 154:3 158:19 160:24 161:2,6 166:4 169:20 172:13,14 174:7,8 183:4 185:6,7 187:7,8 199:18	IRA 20:9 21:15 140:10
inelastic 181:11, 21	intending 161:11	Interstate's 76:5		IRA-FUNDED 19:13 20:14 21:25
inflation 19:7,17, 25 20:9 21:7 23:16 47:2,5,9,10 76:2,5	intends 72:10	intervened 131:14		IRA-FUNDING 78:24
information 14:9,18,19,23 15:6,13 21:3,22 29:1 49:17 53:4,5, 9 73:22 74:5 87:22 107:20 108:1 111:11,19, 24 123:13,15,24 125:1 127:8 128:13 133:11 151:14 189:24 190:8 200:23	intent 78:16 84:19	introduced 72:1 114:25 115:4		isolation 96:16
information 14:9,18,19,23 15:6,13 21:3,22 29:1 49:17 53:4,5, 9 73:22 74:5 87:22 107:20 108:1 111:11,19, 24 123:13,15,24 125:1 127:8 128:13 133:11 151:14 189:24 190:8 200:23	intention 77:19 79:24	investment 188:22		issue 6:6 15:8 53:14 129:20,23, 24 130:21 165:18 183:25
informative 69:1	interest 33:9 36:17 166:8	investments 189:1		issued 201:9
initial 88:7,16,17 125:5 200:9	interested 57:17 58:25 81:12 87:16	investor-owned 79:7		issues 13:20
initially 61:12,13	interesting 74:18	involve 106:25		ITC 126:10,16,24 129:8,19 130:25 131:3,7,11,14 132:3,8 133:3,23 175:4
initiate 79:2	interests 180:3	involved 36:18 37:15,18 100:23		ITC's 127:13
injection 20:9	interject 127:5	involving 23:14		ITCM's 130:5
innovation 25:8	internal 31:25 95:13	IOUS 66:1		item 77:11 79:12 101:25 118:20
input 81:12 96:15 101:1 128:16	internally 113:4			items 75:24 111:15 178:19
inputs 53:24 125:17	interpret 184:12			
	interpreted 184:7			
	interrupted 61:3 180:16			
	interruptible 43:17,23,25 59:17 60:22 64:24 88:5, 8,15,19 89:21 90:1,5,17,23 91:17,25 97:18			

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: ltron..low-

ltron 26:1	14,23	LEG 9:8 62:13	limited 13:19	logical 167:15
	Kruger's 72:8	63:17,18,21 64:1	36:11 72:10 118:2	long 12:15 17:2
J	kw 157:7 179:12	101:13,15 151:10	183:5	69:22 147:12
		152:11,12,15,19	limited-income	190:3 199:3
James 186:1,9		155:4,18,21 156:1	24:22 25:14 26:2,	long-term 22:1
Jennifer 9:2	L	173:9,10 174:5	24 28:16 32:23	88:25 103:8
		187:14	33:19 39:24 73:19	158:21,25 165:15
job 38:19	labor 59:4 141:18	legal 10:19,20	115:10,13,20	170:12
	160:9	length 190:2	116:22 139:5,24	longer 190:11
Johnson 9:3	language	less 27:11 50:10	140:18,21 144:5	longer-term
12:2,6,12 13:9,10	151:15,22	69:7,14 92:15	limits 171:1,5	89:15 110:4
16:3 18:24 73:12	large 62:20 92:2,	138:24 154:23,24	180:10	looked 45:14
123:4,5,7,23	14 155:17 173:13	158:3 179:14	lines 19:7,16	60:19
124:4,21,25	199:23	184:2	21:13 25:13 30:22	Loon 9:9 13:6,7
125:23 135:11,19	large-volume	letter 74:22,24	31:8,19 88:6	15:3,24,25 34:7,
136:7 137:1,8,21	100:1	75:6 112:11	90:14 91:1 97:12	18 35:16,17 61:24
144:25 145:4,12	larger 151:18	level 20:25 25:16	99:6 101:4 104:9	62:8,9,13,16,18
146:2,6 169:12	179:24	27:5 28:25 29:4	125:9,15,16	63:16 64:3 93:16
171:14,21 173:6	last 26:2 28:20	33:21 49:12 50:5,	129:2,18 147:2	97:7,9 99:9,11
185:10 187:10	29:17 51:19 54:20	8,12,13,21 51:17	150:24 152:24	102:22 106:21
201:19	56:25 59:1 67:16,	52:23 77:19,22,25	158:6 178:11	114:13,14 121:9
Josh 9:24	18 82:19 88:4,21	90:10 91:14 93:2	180:7 182:7	125:25 126:1,3
July 201:8	114:6 126:21	96:9 100:25	list 112:17	127:22 128:10,24
jumping 31:18	159:5 164:18,20	109:9,13,19,21	listed 9:18	132:19,23 133:1,
June 6:7 183:23	171:24 175:5	110:19 117:8,10	lists 176:1	8,15 136:13,14
184:11	lastly 184:16	161:13 180:12	literally 163:25	138:3,4 144:18,19
jurisdictions	late 7:9	182:19,20 184:18	little 7:22 14:8	145:22 146:12,13,
67:24	Latham 173:22	levels 27:4 72:21	56:19 155:3	15 147:1,4,16
	Laughter 146:1	87:3 92:20,25	156:16 161:4	151:11,16 152:10,
K	Law 9:10,22	99:14 107:22	163:16 164:1	21,22 155:6,9,16
	layman 98:22	119:22 178:23	166:21 186:7	156:3,5 159:8
K-R-U-G-E-R	lays 81:8	179:19	188:18 199:16	169:3,4 172:16,17
137:12	lead 117:18	life 69:20 72:10	live 127:24 202:4	173:9,10,17 174:5
Kari 8:23 70:4,8,	leading 85:15	104:7	LMP 157:24	176:14,19 185:11,
21,25	lean 42:14	lifetime 67:13	load 99:24 129:10	12 187:11,12
key 79:12,16	least 37:12,15	light 8:19,21	130:1,3,21	189:23 190:4
kidding 145:21	74:18 81:17	11:20 16:14,23	148:14,18 156:12,	199:23 201:20
kilowatt 165:5	130:20	68:3 70:4,9 72:18	13 157:14 161:7	loss 63:9,10 95:7
kind 6:8,25 10:13	leave 15:9 61:15	73:8 83:18 121:20	175:7 180:11	178:20 182:21
23:9 37:5 42:14	91:18 190:10,19,	122:8,10 123:2	loading 148:1	lost 8:18 63:5
46:17 57:25 59:1	20	135:7 166:11	150:13	160:8 180:4,5
65:3 79:12 127:7	left 84:10,13	199:19 201:17	loads 181:19	lot 7:17 15:16
142:23 175:6,25	119:15	lighting 46:21,24	local 129:5	78:2 109:22
178:19	left-hand 39:20	likelihood 15:13	locate 48:5,6	119:18 125:21
knowledge		limit 86:19 170:24	located 169:20	142:8 165:18
27:18 47:10		180:14,24	logic 182:8	167:21
102:16		limitation 100:9		low 180:1,6
Kruger 9:5 71:22				182:24
73:1 137:1,2,11,				low- 19:22 47:13

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: low-income..moderate-income

low-income 201:24	Martin-schramm 10:14,16 11:12	median 140:8	22:6,11,16 23:3
20:13 22:13,17	72:25 103:17,21,	meet 11:5 74:13	55:3,12,13,16,22
24:21 27:2 28:9,	25 104:14,18,19,	98:20 140:11	59:23 90:17,21
21 32:23 33:18	23 105:5,9,22,25	183:5	101:10 102:5,8,13
48:18 57:10 74:4	106:6 185:23	meeting 81:22	mind 32:4 59:10
79:13,15 92:22	186:1,9,21 187:22	meetings 78:19,	73:16
104:10,11 106:1,7	200:20	21	mindful 142:2
116:3,5,7,8,12,18	Martin-schramm's 187:5	megawatt 157:12	mine 199:12
117:2 118:18,23	match 78:8 181:3	159:6 161:13	minimize 179:19
138:15 139:17,18,	matching 77:22	megawatts 154:4 161:17,18	minimum 20:22
19 142:5 143:2,	119:13	180:22	74:9,13 125:2
15,18 144:13	material 21:16	member 65:24	minus 109:25
168:5	22:1	98:18	110:7
lower 59:6 69:2,4	math 102:9	mention 143:10	minute 48:5,6
110:19 169:17	127:24 128:6,21	mentioned 33:7	107:3
183:15	133:7	118:7 182:25	minutes 64:11
lowering 179:21	Matt 8:20	met 36:25	190:11,21
lowers 102:12	matter 111:24	methodology 88:20,24 89:4,13	MISO 98:19,21,22
lunch 7:5 120:15,	159:2	108:22 164:11	99:18,23 100:9
17	matters 8:9 12:3,	165:3,14 184:20,	108:24 109:12
Lynn 9:14	8 15:20 189:18	24,25	148:15 149:22
	190:14	Michael 10:2	150:2,10,18,19
M	maximize 179:5	microphone 42:12	156:12,21 161:23
M-A-R-T-I-N	maximizing 179:9,16	Mid-140s 90:24	164:1 183:14
186:10	maximum 98:10,	mid-plan 109:23	184:4,10
Mac 164:22	14	mid-stream 45:22,25 46:14,	MISO's 89:4
made 13:12 37:24	meaning 153:9	17,21,24 87:18	100:11 151:2
39:6 115:19	meaningful 141:13 142:14,20	Midamerican 80:10 117:22	154:25 163:20
127:15 151:12	157:4	158:10,13,16,22	missed 103:10
187:1,24	means 63:7	Midamerican's 158:9	Missouri 7:20
mail 68:20	127:6 130:9	Midwest 129:9	mistaken 67:8
main 47:25 110:9	139:17 183:4	130:25 131:14	157:9
maintain 38:7	meant 71:13	132:3,4	mitigating 114:10
49:9	measures 19:10	Midwest's 126:11,16,24	mitigation 168:1
maintaining 29:4	30:25 31:2,12,14	129:20 131:4,7,12	mixture 77:20
majority 89:15	45:12,16 48:2	132:8	model 61:10
130:2	67:18 140:15	Miller 9:18	modeled 166:22
make 7:11 15:18	measuring 158:19	million 21:19,24	modeling 60:21
20:24 22:1 30:23	mechanism 127:23		125:11,17,18
57:20 74:18 75:17			moderate 74:3
85:21 91:6			moderate-income 19:22
109:16,24 110:2,			47:13 92:23
15,25 111:15			
136:4 137:18			
143:8 144:1 146:3			
160:20 166:5			
172:6 181:25			
makes 53:2			
making 31:10			
37:18 133:14			
152:6			
management 45:23 46:12,13			
70:24 156:13			
manager 70:24			
managing 152:2			
mandatory 111:16			
Mandelbaum 9:24 10:7 13:24			
14:1 16:7,9 34:10,			
11 35:22,23 64:8			
114:17,18 133:21,			
22 136:17,18			
138:7,8 144:22,23			
165:23,24 169:7,8			
172:20,21 174:14,			
15 185:13,14			
187:18,19 200:4,			
6,16,18 201:21			
manual 102:2			
155:1,14 157:10			
mapping 77:23			
March 39:22			
115:12			
Marcos 145:4,5,			
15,17			
margin 98:20			
margins 183:7			
mark 24:5 26:14			
29:16 82:10 90:6			
marked 23:23,24			
24:3 26:11 49:5			
58:16 76:12 80:12			
81:25 82:12 93:22			
94:5 107:1			
market 88:25			
98:2,19 110:12			
114:7 152:4			
163:21			
marketing 31:24			
marketplace 87:18			

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: modification..officer

modification 23:18 38:4 111:2, 5	188:21	non-summer 167:11	numbers 65:9 86:7 109:2 189:3	145:4,16 168:7 171:14 173:6 174:10 177:24 185:9 187:9 199:25
modifications 64:21 66:18 107:8	municipalities 79:8	noncoincidence 175:25	numerous 112:18	
modify 66:16	Munoz 9:5 145:4, 5,15,17 146:8,16 147:6 151:21 155:13 156:6 157:15 158:5 159:8,14 163:9,17 164:10 169:13 177:24 178:6,7, 11,20 179:3,24 180:8,21 181:1,12 183:13 184:8,17	noncost-effective 55:14 58:11	Nyemaster 9:15	OCA's 30:12 35:9 72:2 76:21 79:18 111:8 167:12
Moeller 152:4		nondisclosure 190:10	O	occur 20:19 47:21 79:3
moment 57:15 85:11 105:5		nonparticipant's 180:3	o-g-n-s-e-n 173:21	occurring 80:5
money 22:6 142:19		nonparticipating 179:18,25	oath 18:5 41:16 71:8 122:21	occurs 30:10 52:22
monitor 42:23	Munoz's 12:14, 20 181:8,23 182:8	nonparticipation 157:12	object 34:25 201:18	odd 187:14
monitoring 10:8 20:23 26:1,5 30:23 31:11 32:1, 21 81:9	N	nonresidential 46:25 50:4 52:7 53:16 59:15 108:23 167:9 168:9	objection 12:14, 19,21 13:5,7,10, 13 14:1 18:18 34:4,6,7,9,11 35:1 61:21,23,24 62:2 63:21 75:15,16, 19,21 77:3 80:25 93:9 94:14 96:23 121:2,16 152:14 155:20	off-peak 166:17
month 165:4,5 167:10	nameplate 103:7	normal 14:3,12	objections 12:25 18:16 35:5 83:4 162:25	offer 57:1 79:5 81:24 86:8,12 87:20 108:15 138:13 162:4
monthly 89:1 98:10,14	nationally 36:14	North 169:21	objectives 33:15	offered 26:3 34:2 35:3 61:19 63:18 77:1 80:23 82:1 85:16 87:7 93:7 94:12 96:21 97:22 152:12 155:18 162:6,23 166:7
months 167:11 183:24 184:1	natural 15:7,9,16	North/central 169:16	obtaining 147:7	offering 11:14 85:17 139:3 179:15
morning 6:2 7:5 9:7 17:16 19:3,4 41:3 42:3,4 70:17, 18 73:15 103:3,4 139:22 140:22 141:6,17	naturally 140:18	Nos 124:22 125:3	OCA 12:9,18 13:3,10,15,20 23:23,24 24:1,5 26:11,14 29:16 30:20 34:1,2,5,12, 14,16,19,20 35:3, 6,10 39:15,19 49:5,16 51:19 54:20 58:16,20 61:17,18,19,22 62:3,5 72:8,25 76:12,13,23 77:1, 4,8 80:13,16,21, 23 81:1,5,20,23 82:1,5,16 83:2,5,9 90:7 93:5,7,10,14, 17,24,25 94:5,6, 10,12,18,21,22 96:21,24 97:3,22 108:15 114:24 115:7 135:10,11 137:1 139:5	offers 48:1,10 90:10
motion 12:9,11, 13 13:1 201:13	necessarily 33:20 91:5 98:14 111:22 117:19 130:1,4 144:11 170:4,12	note 31:22 59:4 78:14 90:9 138:18		Office 9:1,3 67:5 79:9,10 135:13,23 137:3,13 145:6 171:16,25
move 7:1 24:16 34:1,24 61:17 63:16 76:23 80:21 83:2 84:4 93:5,22 94:10 96:19 128:18 152:11 155:16 162:21 163:8,15 170:13	needed 12:16 23:18 167:15	noted 56:21 106:22		officer 6:2 8:25 9:6,12,17,21,25 10:4,9,22 11:2,16 12:4,7,22 13:6,8, 11,14,24 14:2 15:1,10,15,23 16:1,5,7,10,16,19, 24 17:1,5,13 18:12,13,23 24:2, 13,18 29:22,25 34:4,8,10,12,18 35:5,8,12,15,19, 22,24 36:7,12,20 37:8,14,17,22 38:9,13,18,22
moving 44:20 84:14 161:21 164:5	negatively 119:3	notes 107:3 136:20		
multi-family 19:21 28:21 86:3 104:10 116:18	neighbor 68:23	notice 75:16,17 82:6		
multiple 34:20 67:19 96:14	neighbors 68:24	November 75:6 123:16,25 125:6		
multiplying	NERC 100:9	nudge 166:17		
	net 141:14	number 7:1 43:7 54:15 60:24 62:12 72:9,19,22 91:4 101:3,10 102:13 104:22,23 106:8 117:9 118:23 119:5 127:16 141:14,22 168:17 180:15		
	news 151:2			
	non-compliance 156:20 157:4			
	non-res 49:22 50:2 51:3,11			
	Non-residential 59:24			

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: officer's..percent

39:4,8,13 40:5,7, 10,15,19,21 42:11,13,17,22 48:4 55:23 57:19, 22 61:21,25 62:8, 11,14 63:20,23 64:5,9,15,25 65:3, 14 66:3,6,15,21 68:9,13 69:15,23 70:1,6,10,12 71:15,19 72:6,12 73:9,10 74:6,17, 24 75:1,4,7,11,14, 20 77:3,6 80:25 81:3 82:3,6,11 83:4,7 93:9,12,19 94:2,14,16 96:23 97:1,6 99:7 102:24 103:16,18, 23 104:12,16,21 105:1,7,16,19,24 106:5,11,14,17 107:2,5,11,25 108:6,13,21 109:15 110:6,21 111:7,18 112:1,19 113:12,16,23 114:13,15,17,19 115:25 116:25 118:3,14,22 119:8 120:6,10,13,19 121:5,11,15,21,23 123:3,4,21 124:1, 11,15 125:25 127:4,17,20 128:8,11,22 132:13,21,25 133:10,17,21,23 134:3,7,11,16,20, 24 135:4,9,14,16 136:10,13,15,17, 19,22 137:4,6,25 138:3,5,7,9,12 139:4,8 142:22,25 143:5,13,17,24 144:4,14,18,20, 22,24 145:1,7,9, 24 146:9,12,21,24 147:15 151:9 152:14,17 155:4, 20,23 159:11 162:25 163:3 165:23,25 166:4 167:8 168:6,23 169:3,5,7,9 171:9, 12,17,19 172:13,	16,18,20,22,25 173:4,8,14 174:7, 10,12,14,16,20,25 175:13,19 176:7, 11,15,20 177:3,5 178:5,9 185:6,9, 11,13,15,18,22 186:3,5,11,15,20, 24 187:4,9,11,13, 18,20 188:3,9,16, 19 189:6,11,16,25 190:6 199:1,13, 22,25 200:2,4,8, 13,16,19 201:7, 20,23 officer's 120:23 offices 19:19 official 11:3 75:15,17 officially 90:19 one-third 92:9 one-year 84:11, 12 ongoing 21:1 44:8 65:18 76:10 92:18 132:4 164:2 online 87:11,22 open 57:15 operates 61:8 operating 91:7 98:15 149:6 182:11,14 operation 59:5 61:6 operational 60:1 63:9 154:13 180:10 operations 49:10 78:20 opinion 39:25 115:15 139:21 142:6 143:11 180:5 188:15 opportunities 27:14 78:24 87:15 88:1 96:15 167:6 opportunity	12:16 27:9 46:18 76:17 79:17 88:1 115:22 oppose 111:8 opposed 84:14, 17 89:11 optimization 95:6,11 optimize 37:6 option 87:23 89:5,7,9,11,12 90:6 164:22 169:23,25 options 48:1,11 87:22 142:17,19 order 8:12,22 9:4 11:24 16:2 74:20 157:23 201:9,11 original 61:14 127:16 originally 60:18 others' 71:14 outage 154:6,11 outline 33:12 outlined 96:14 output 96:3 outstanding 12:3 overhauled 100:19 overpaying 110:13 <hr/> P <hr/> p.m. 120:17,18 202:7 pages 26:17 44:20 183:13 184:16 190:24 paid 130:17 186:18 paper 105:6 papers 8:17	paragraph 48:10 62:25 part 37:22 38:23 51:7 52:17 57:2 63:5 74:11,14 85:17 90:1 96:5 112:3 118:17 125:4 129:15 132:24 139:11 150:5,14 151:12 153:10 155:13 161:3,14 164:6 178:16 182:14 188:24 189:7,8 190:18 participant 63:2, 3,6 101:20 102:6 participants 152:4 179:4 participate 21:2 47:16 92:3 102:18,19 148:25 159:25 167:23 170:14 181:25 participated 78:19 200:20 201:24 participating 60:25 80:10 178:13 participation 20:15,25 28:23 30:15 31:1,13 32:13,18 49:10,23 50:11 52:21 66:11 72:21,23,24 73:23 86:7,10 91:2 106:3,9 107:22 112:16 129:15 181:2,9 182:10 particular 26:11 27:17,23 30:9 37:19 46:16 47:22 48:20 54:16 58:25 63:1 65:23 83:19 85:22 126:5 147:1 154:3,7 particularly 57:17 180:24 parties 11:22 12:10 13:1 14:14	15:19 18:12 38:10 39:6 41:23 64:22 73:9 77:25 78:21 79:2 80:8 96:1,14 107:16,19 108:11 111:24 123:3 168:17 199:18 parties' 107:17 partnerships 23:11 parts 51:11 102:10 139:8,10 party 10:11 15:7 108:6 127:23 pass 54:16,18,23 67:11,15 passed 162:9 passing 24:3 past 66:20 78:14 81:17,18 110:17 159:1,5 pathway 77:21 pause 22:24 33:3 45:21 55:8 94:1 107:4 136:21 138:11 144:3 172:24 pausing 155:12 pay 160:17 payroll 186:17 peak 97:15,23 98:4,21 157:20 175:25 peaking 170:19 penalties 156:19, 20 157:3 penalty 91:22 170:3 pending 131:8 people 14:7 68:18 69:8 117:11 127:6,25 167:22 perceived 160:3 182:21 183:11 percent 25:15
---	---	--	--	---

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: percent/15..presiding

27:4 63:4 86:19, 21 89:18 92:15 98:1,2 101:21 102:5 108:24 109:25 110:8 111:4 114:9 117:10 126:18,22 139:25 140:2,3,6, 12,14,16,19 142:3,5,7,9 143:8, 23 144:9 153:22 164:21 170:22 184:2	personnel 65:16 perspective 154:1 pertaining 155:1 phonetic 134:18 physical 180:14, 23 pie 130:16,22 piece 15:4 pilot 25:1,4,8 29:10 46:1,5,6 95:4,7,11,12,15 140:24 188:5,6,10 pilots 25:4 plan 7:12 21:16 22:2 23:6,7 24:20, 25 26:2 28:11 29:6,9,12,17 32:6, 22,25 33:10,14 34:23 36:1,4,6,8 37:13,24 38:11,15 39:1 42:5,8,19 43:4 46:1,4 47:10 48:1,10,14 49:25 50:16 52:3,12,14 54:11 55:13,20 57:7 61:14 65:9, 13,17,19,21 66:16 67:8 72:11,24 73:2 76:6 78:13 79:4,20 81:8,10 84:15 85:18 87:6 95:16,19,22,25 96:1,6,11,14 104:7 107:8,18 109:25 110:23 111:2 112:4,25 123:10,14 125:4,5 131:9 134:5 138:19 139:6 142:1 148:4,6 158:17 161:3,5, 10,14 166:7 plan's 118:15 179:6 planned 43:2,22 44:22 85:15 planning 28:10 36:11 38:25 43:10 89:4 98:20 103:9	123:13 125:20 129:5 149:23 150:10 161:24 164:6 183:14,24 184:11 plans 7:11 25:18 33:22 52:8 point 12:24 13:18 15:11 19:6 20:1 30:19,23 31:10,22 44:21 59:13 64:16 73:17 87:17 88:2, 10,14 90:14 95:22 126:25 135:1 160:20 170:15 180:19 182:9 183:22 points 85:13 policy 9:23 10:17 58:7 122:11 131:20 popped 57:16 portfolio 58:1,12 77:15 163:14 portfolio's 27:14 portion 19:17 26:22 27:7 30:11 43:3 99:12 138:19 139:3 155:8 163:17 190:25 posed 163:14 position 10:13 17:20 21:23 41:6 70:22 122:9 135:21 137:10 145:13 167:12,13 171:23 173:19 177:13 181:8,23 positive 56:20 post-hearing 189:10 potential 44:17, 19,22 45:1,8,11, 20 46:19,20 47:1, 12,14,18 56:12, 18,22,24 83:15, 23,25 161:7,16 167:7 180:18,20	potentially 19:8 23:5 132:1 170:24 poverty 25:16 27:5 117:8,10 140:6,13,16,19 143:23 Power 8:19,21 11:19 16:14,23 18:10 40:18 41:21 68:3 70:4,9 72:18 73:7 121:20 122:7,10 123:1 135:7 199:19 201:17 PRA 109:1,11 159:6 164:12 165:2 183:16,19, 20,22 184:2,5,18 185:1 practically 159:18 178:12 practice 7:4 81:17,19 102:2 103:13 119:24 155:1,14 pre-covid 119:22 pre-enrollment 86:3 precluded 86:5 predecessor 139:13 predicting 148:7 preferable 167:3 preference 166:9 167:2 prefiled 6:12,13, 15,18,24 13:2 18:2,18,20 41:13, 20 71:5,16 73:6 122:18,25 177:21 185:3 186:21 preliminary 8:9 12:3,8 15:19 premium 126:25 preparation 44:13 prepare 6:6	166:14 prepared 8:17 26:1 126:7 135:25 137:14 145:17 172:2 prepares 21:3 prescriptive 49:23 present 183:16 presentation 151:4,13,19 162:2 173:5 presented 6:17 53:1 76:11 president 173:21 presiding 6:2 8:25 9:6,12,17,21, 25 10:4,9,22 11:1, 16 12:4,7,22 13:6, 8,11,14,24 14:2 15:1,10,15,23 16:1,5,7,10,16,19, 24 17:1,5,13 18:12,13,23 24:2, 13,18 29:22,25 34:4,8,10,12,18 35:5,8,12,15,19, 22,24 36:7,12,20 37:8,14,17,22 38:9,13,18,22 39:4,8,13 40:5,7, 10,15,19,21 42:13,17,22 48:4 55:23 57:19,22 61:21,25 62:8,11, 14 63:20,23 64:5, 9,15,25 65:3,14 66:3,6,15,21 68:9, 13 69:15,23 70:1, 6,10,12 71:15,19 72:6,12 73:9,10 74:6,17,24 75:1,4, 7,11,14,20 77:3,6 80:25 81:3 82:3,6, 11 83:4,7 93:9,12, 19 94:2,14,16 96:23 97:1,6 99:7 102:24 103:16,18, 23 104:12,16,21 105:1,7,16,19,24 106:5,11,14,17 107:2,5,11,25
---	--	---	---	--

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: pressure..pump

108:6,13,21	159:6	86:18,20,22	21:4,25 22:8 23:6	139:5 148:9
109:15 110:6,21	previously	125:11	25:4,17 28:7	161:14 166:1
111:7,18 112:1,19	116:17 130:23	production	30:24 31:12,14	168:8 170:23
113:12,16,23	price 89:5 110:1,	160:9 178:20	32:9,10 33:6,14	179:9 182:19
114:13,15,17,19	15 114:7 182:2	products 49:12	36:17 37:4,6	201:10
115:25 116:25	prices 100:2	50:18,23 85:24	43:11 44:9 45:8,	proposes 43:25
118:3,14,22 119:8	163:13	86:14,15 87:17	11,12,14,15,17,	proposing 33:5
120:6,10,13,19,22	pricing 99:15	program 20:15,	22,23,24 46:14	52:16 56:1 59:22
121:5,11,15,21,23	167:7	21 22:17 23:10	50:16 51:16 52:1,	109:18 116:9,21
123:3,4,21 124:1,	pricings 166:21	24:22 25:20 26:3,	9,13,15 55:2,14	117:5,13 168:10
11,15 125:25	primarily 22:12	11,20,23 27:2,3,	56:2 58:6,11 68:1,	protective 15:4
127:4,17,20	46:21 108:25	10,11,12 28:12,16	2 76:3,6 78:25	protocols 160:11
128:8,11,22	primary 67:14	30:15 31:2 32:17,	79:13,15 83:16,21	proved 153:17
132:13,21,25	109:14 110:7	19,23,24 33:8	84:8 85:25 92:5	provide 19:9
133:10,17,21,23	119:9	37:12,19 43:17,23	102:18,20 112:15	26:24 36:9 44:8
134:3,7,11,16,20,	principal 17:21	44:1 45:6,25 46:1,	113:10 115:14,17	52:20 65:10,20
24 135:4,9,14,16	41:7 177:15	2,12,18 48:20	116:13 170:25	78:6 79:25 81:13
136:10,13,15,17,	prior 34:23 60:18	49:10 50:8,13,15,	progress 118:11	86:1 87:12,13
19,22 137:4,6,25	66:11,12 112:25	18,23 51:11,22	prohibit 100:9	96:3 107:20 108:7
138:3,5,7,9,12	183:16	52:5,6,17 56:12,	project 65:23	111:25 116:14
139:4,8 142:22,25	probabilistic	13,16,23 57:2,3,5	95:15	117:22 118:18,19
143:5,13,17,24	164:5	59:5,7,16,17,24	projection	126:25 127:7
144:4,14,18,20,	procedure 14:12	61:6,8 64:20,24	150:14	128:13 140:14
22,24 145:1,7,9,	procedures 91:7	65:6,20 67:12,13	projections	141:13 151:7
24 146:9,12,21,24	proceed 10:6	78:7 81:21 83:19	65:13	168:21 173:18
147:15 151:9	11:7 14:8 40:22	84:4 85:22 88:5	promote 118:10	175:24
152:14,17 155:4,	62:15 70:13 94:2	90:18,20,23 91:3,	promotional	provided 28:15,
20,23 159:11	121:24 135:17	7,18 92:5,24 93:3	20:11 86:20	25 47:9 51:22
162:25 163:3	137:6 145:10	102:17 106:4,10,	proper 127:17	53:6,18 54:10
165:23,25 166:4	177:6	20 108:17 112:4,9	properly 101:2	72:21 73:23 74:20
167:8 168:6,23	proceeding	115:10,20 116:3,	110:10	95:18 102:14
169:3,5,7,9 171:9,	11:23 17:24 41:10	4,7,8,24 117:3,8	proposal 43:16	108:1,11,19 124:7
12,17,19 172:13,	71:2 103:6 122:15	118:4,18,24	101:8 108:4	141:5 166:20
16,18,20,22,25	131:15 164:18,20	138:14 139:5,13,	109:16 138:13	175:3
173:4,8,14 174:7,	177:17	14,24 140:1,18,	179:13	provides 28:6
10,12,14,16,20,25	proceedings 8:5	21,25 141:8,11	proposals 38:14	36:10 66:11
175:13,19 176:7,	14:4	142:13 143:2,22	39:6 107:15,18,24	183:13
11,15,20 177:3,5	process 20:2	144:5 147:6,13	187:24	providing 110:11
178:5,9 185:6,9,	23:14,17 29:7	148:14 149:1,11,	propose 89:22	142:11
11,13,15,18,22	36:11,19 37:2	13 153:7,17,20	90:20 91:6,11,21	prudent 86:8
186:3,5,11,15,20,	38:25 112:23	154:13,16,17,21	proposed 6:6	public 7:16,21
24 187:4,9,11,13,	113:6 131:21	158:9,20 160:1,22	7:25 19:14 24:21	124:17 190:22
18,20 188:3,9,16,	164:4	166:2,6,7,15,24,	25:8 36:1 37:24	pull 39:15 42:20
19 189:6,11,16,25	processes 21:8	25 167:7,23 168:9	38:10 43:7 64:21,	146:19,25 164:7
190:6 199:1,13,	produced 168:12	170:8,13,15,23	22 65:7 85:22,25	178:4
22,25 200:2,4,8,	product 85:17	171:7 179:4,11	88:20 89:25 91:24	pulled 162:13
13,16,19 201:7,		180:4 181:3 182:9	102:5 107:8,9	189:4
20,23		183:2 188:24,25	109:24 117:21	pump 48:24
pressure 92:18		programmatic	131:16 138:25	188:22
pretty 11:22 22:6		48:1		
86:17 127:22,25		programs 7:18		
128:6 157:1		19:13,14,20,25		
168:13 189:4		20:11,14,17,24		
previous 108:20				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: purpose..reductions

purpose 8:1 36:22 109:22 155:12	20 7:23 11:21 14:18 18:4,11 26:16 34:17 35:17,20,23 39:12 41:15,22 62:7 64:4,7,8,11,17 65:21,22 66:24 67:6 68:11 71:7 73:8 74:13 101:5 102:22 106:23 107:6 113:17,19, 20 114:16,18 115:7,24 121:7,8, 10 122:20 123:2 124:6 125:24 133:8,11,19,22 136:11,14,16,18, 23 138:1,4,6,8 144:15,16,17,19, 21,23 146:10 155:11 159:9 165:21,24 168:25 169:1,2,8 172:14, 17,19,21 173:1 174:8,11,13,15 176:12 185:5,7, 10,12,14 187:8, 10,12,16,19,21 189:12,13	175:3 rate 20:16 47:15, 20 90:11 92:18,21 98:2,6,9 112:20, 22 113:2,8 126:21 129:10,13 131:24 132:5 133:3 141:18 142:19 154:6,11 164:12 165:4,11 167:7,25 175:3 176:5 179:22 182:12,24	121:12 170:7 188:20 reasonable 108:10 128:20 147:17 181:14 reasons 60:4 67:14 175:10 rebate 19:19 140:14 rebates 19:21 48:2 49:23 88:2 rebuttal 27:20 145:18 172:3 173:24 177:17 179:13 187:2 recall 73:25 77:18 85:19 101:22 129:19 receive 26:25 102:19 received 117:2 161:13 recent 39:24 51:23 109:1 115:13 118:25 119:17,21 131:4 recently 148:20 recess 64:14 120:17 recognize 49:18 62:19 recollection 54:7 recommend 166:25 recommendatio n 30:12,20 108:15 111:8 115:19,21 139:12 141:23 143:12,18 recommendatio ns 87:14 111:12, 21 142:1 recommended 142:16 recommending 141:11	record 6:3 7:24 12:18 17:17 18:10,19,21 28:5 34:3,13,15 35:9, 11 41:4,21 57:20, 21,23 62:4 63:24 64:13,16 70:20 71:13 73:7 74:7, 10,15 75:18 77:7 81:4 83:8 90:5 93:13,15 94:17 97:2 120:16,20 122:6 123:1 128:2 132:24 135:21 136:8 137:10,22 145:14 146:7 152:18 155:24 163:4,10 171:23 172:10 173:19 177:10 184:9 186:8 recording 21:8 records 23:25 199:7,11 RECROSS- EXAMINATION 114:1 Recycling 52:11, 22 redirect 39:11, 13,17 66:23 67:1 68:10 113:20 114:20,21 116:1 120:8 134:21,22 144:24,25 169:9, 11 176:13,14 189:12 reduce 129:10,13 130:25 132:4 134:17 157:20,23 reduced 131:8, 17 reducing 68:18 131:1 reduction 19:7, 18 20:1,10 21:7 23:16 47:3,6,9,11 76:2,5 95:7 98:6 181:2 reductions 36:24 156:14
purposes 10:4 102:11 157:20				
pushed 42:14				
put 10:13 14:5 33:10 83:23 90:4 107:18 110:14 117:9 139:6 148:8				
puts 201:8				
putting 65:12 115:1 128:18		rate-making 131:21 rate-regulated 131:23 rates 100:3 129:9,25 130:25 142:18 157:24 173:21 175:17 ratio 89:14 97:24 134:9 147:19 157:8 175:24 176:3 181:3,9,10 182:8 rational 179:3 ratios 138:21 re-call 121:3,12 re-sign 109:20 reach 20:12 141:22 142:11 reached 180:19 reaching 142:10 react 109:7 read 26:21 27:7 34:21 39:20 63:1 116:2 151:24 156:9 163:9,18 169:15 184:8 ready 16:11 185:23 real 136:19 real-time 152:3 reason 80:6,7 100:8 108:22 109:14 110:7 114:3 119:9		
Q				
qualified 55:1 58:4 117:15 188:25 qualify 27:1 117:7 143:21 qualifying 19:21 28:2 quantified 44:24 quantify 36:25 76:8,10 question 6:21 11:8,10 14:22 29:3,8 31:4 43:13 48:18,25 50:21 51:14 55:24 65:23 68:5 71:12 74:8, 18 76:3 77:17,18 78:16 87:4 99:1 103:5,19 104:8 105:17,23 106:12 114:23 116:1 118:5 121:6 128:1 130:6 142:23 148:8 150:6 153:14,16 156:6, 25 166:11 174:17 188:5,8,18 189:5 question-and- answer 30:9 questioning 6:11 128:9 questions 6:16,	quick 66:24 136:20 quicker 201:15 quickly 75:3 93:22 183:10 quote-unquote 130:14 R raise 16:21 40:15 70:6 175:3 raised 13:20 ran 59:15 range 48:1,10 86:24 87:1 97:25 141:16 ranges 181:15 ranging 27:4 109:3 rapid 151:25			

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: refer..retains

refer 20:4 27:20 30:17 45:19 48:16 54:19 55:7 95:24	relating 64:24	reported 82:24	153:10 154:8 170:17	22 76:13,21 77:5, 15 80:13,17,19 81:2 82:16 83:6 85:24 86:3,6 88:5 89:16 92:5 93:11 94:6,8,15,23,25 95:2 96:25 102:17 103:8 104:1,25 105:8,10,20 106:15 108:17 112:15 121:14 123:14,16 124:22 127:18 128:15,16 138:14,19 139:2 141:5,13 142:13 143:3 152:16 153:14 154:12,16 155:2,22 157:13 161:3 163:2 166:2,6,15 170:22,25 175:11 179:8,15,17 180:13 183:17 184:23 200:1,15 201:6,22
reference 14:4 45:3,9 46:9 49:13 65:25 95:5 99:13 101:7,14 104:3,13 129:20	relation 86:18,24	reporter 14:14 199:14	requires 25:7 166:17	responses 111:15 124:7,8, 12,13,20 128:12 132:14
referenced 24:25 34:20 75:18 161:17	relationships 131:20	reporting 21:6 29:7 49:13 50:6 52:19 78:9 113:5	res 50:2 51:2,11	responsibility 81:16
references 72:9, 15,17	relationship 35:25 36:13 37:23 38:8 65:5,6,15 66:4 116:3,6	reports 50:6 52:10 53:14 54:14 55:5,11,15 57:2 67:11,12,22,24 68:1 76:9 82:24 83:14 84:5,21 111:13 112:8	research 85:12	responsible 32:5 92:8 123:8,12
referencing 14:6 71:24 105:4 129:19 158:8	relative 32:18 49:24,25	represent 11:2	reserve 89:5 98:20 183:6	restrictions 170:18
referring 31:5 43:18 48:19	release 151:2,3	represented 10:19,20 186:6	reset 100:24	result 20:14 21:24 56:21 67:22 108:10 131:8,24 156:14
refers 24:20	reliability 147:9 153:9,12 157:16 163:22 169:23 171:3 184:14	representing 13:15	residential 46:22 48:14 49:22 50:3 52:7 53:16 55:18, 20 56:2,4,11,13, 16 84:21 87:10,13 92:8 166:22 170:25	resulting 163:13
reflect 163:13	reliable 153:4,8	represents 63:4 183:24	residents 19:22	results 22:11 51:8,10 53:15 54:8 58:1 60:3 151:3 152:2 159:7 161:23 164:12 167:4 182:9 183:14,15,16,20 184:5,18 185:1
reflects 98:6	remaining 183:9	request 24:1,7 27:24,25 28:6 58:21,22 62:20 72:4,17,20 76:13, 15,21 80:14,16,19 81:23 82:17 94:6, 8,22,25 95:3,5 104:3,15,20,25 105:9,25 111:14 123:14,23 124:22 125:3 141:6 148:22	resource 103:9 123:13 125:20 150:1,18,19 152:5 153:8,18,21 154:19 155:1 156:11 163:20 164:3,22 170:12, 19,20 183:14	retail 170:22
reforms 163:19, 20	remind 15:10	requested 78:21 85:16 96:13 125:2 148:13,17	resources 30:13 31:23 95:14 99:23 103:8 113:4 153:3 156:13 157:13 158:17 183:5	retains 81:15
regard 7:18 8:5,6 14:18 36:3 142:18 166:1	repeat 6:23 31:4 188:8	Requests 124:6	respond 12:20 55:24 106:17 178:1,15 179:7 181:6 182:13 184:22	
region 169:16,20, 21	repeatable 152:7	require 111:2	responded 101:5 104:5	
registered 156:12	repeated 71:14	required 20:20 37:11 53:25 58:7 61:2 65:1 120:4 148:16	responding 30:12,19 91:22	
regular 7:4,14 109:13	repetition 6:17	requirement 74:10 111:17 129:5,12 130:8 131:1,4,8 164:6 175:4,9	responds 62:1	
regularly 79:4	reply 20:7 21:13, 17 25:12 30:5,18 31:19 41:9 43:16 44:2 59:11 60:22 64:24 71:1 78:11 89:22 90:13,25 97:11 99:4,9 101:4 103:6 122:14 126:4 200:9,14,17	requirements 10:24 37:23 74:13 125:3 150:2,15	response 12:13 13:13 24:1,7 31:21 32:8 35:7 43:11 58:21,23 59:1,15,24 62:19, 22,25 63:6,11,22 66:7 67:16,20 71:21 72:3,20 74:12,20 75:8,9,	
regulated 129:1	report 21:3 26:1, 10,17 29:1 32:7,9 34:23 36:5 39:21, 24 44:13 49:10,17 51:23 52:20 53:2, 15 54:22 56:14 66:8,10,14 76:4 77:13 78:20 84:19 96:4 101:15 111:10,19,22 115:13 143:12 162:2,4,16			
regulation 7:17 122:11 135:23				
regulatory 122:11 131:19 173:22				
reinforces 182:9				
relate 112:5				
related 15:6,8 32:12 115:9 180:10				
relates 22:16				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: retirements..significantly

retirements 152:5 169:18	run 11:22 51:10, 16 53:22,25 66:13 116:19,22,24 119:14 125:17 201:16	Schmidt 10:2 13:25 16:8	seeking 116:23 73:20,21	
retrofits 19:20	runs 52:1	score 84:6	sees 78:14	several 38:10 139:10 159:23 178:22
return 126:17,22, 25 188:17	rusty 7:22	Scott 135:11,12, 22,25	select 87:19 95:19	severe 184:12
revenue 129:11 130:7 131:1,4,7 175:4,9	<hr/> S <hr/>	screen 14:6 27:23 29:23 42:21 101:14 105:3 115:2	selecting 81:16	share 130:2
revenues 130:13 149:7	S-C-H-R-A-M-M 186:10	screens 57:8	selection 81:13	shares 130:22
review 20:17,19 23:12 76:17 83:17,22 96:1 108:8,12 129:14	sale 132:2	scribbling 188:2	senior 122:11 131:19 137:12 145:15	shed 83:18
reviewed 132:8 141:6 177:23	sales 149:22 150:4,10,16 170:22	scroll 28:8,13 49:6 59:11 84:2 162:10	sense 86:23	sheet 8:16 9:18 12:5 83:24 111:12 126:6 172:23
reviewing 95:2	same 17:22 18:6 19:16 35:13 41:8, 17 45:7 50:12 60:21,23 70:25 71:9 91:19 99:4 122:13,22 135:25 137:14 145:17 159:3 167:10,22 172:2 186:21	scrolling 28:19	sentence 56:25 59:1,2 63:1,2 163:18	shift 166:16
revised 101:8 175:14 184:17		season 99:23 100:25 176:6	separate 52:8,9, 13,15 53:23,24 108:18 116:7 118:19	shifted 143:1
revisions 64:21		seasonal 97:15 99:13,19 100:2 164:4 167:13	separated 50:24	short 30:25 31:13 119:3 190:4
revisit 44:7		seasons 98:4 99:15,19 100:11, 16 109:4	separately 51:12,13 53:10, 12,16 84:20 116:20	short-term 88:24 89:3,19,23 114:4, 6 164:21 165:15 170:5,20
Rights 118:8	satisfied 74:19	seat 40:21 70:12 121:23 135:16 145:9 171:19 177:5 186:5	serve 72:10 92:20 106:9 109:22 119:7	shortages 152:8
RIM 134:18	satisfies 74:9	second 40:13 49:21 60:16 63:1, 2 99:7 105:12 156:8 179:16	served 106:2 119:6	shorter 67:20 199:16
risks 163:13	save 142:19	second-to-the- last 59:2	service 7:21 48:22 63:4,11 87:21 90:6 92:2, 14 99:15 116:15 167:21	shortfall 148:7
Robert 9:16 176:22 177:1,11	saved 44:25 88:4	Secrets 82:7	services 20:12 26:24 52:5,17 57:4 63:9 83:20 84:11,13,17,22	show 23:22 26:10 58:1,15 59:20 82:20 133:13 161:16 199:7
role 36:10 65:9 131:19	Savers 25:20 26:20,23	section 25:10 43:2 47:24 97:14 101:6 156:7	serving 119:4	showed 140:5
room 15:9 101:16 115:3 190:9	saving 84:12	sections 116:10	session 14:20 189:22 190:1,7,22	shows 28:20 161:13 162:12 165:1
rough 21:21	savings 36:23 37:1 43:3 52:21 59:6,9 65:12 66:1, 12 67:15 69:8,21 81:22 82:20 84:5, 10,12,16 112:13 139:14 141:14 142:20 180:9	sector 49:11 50:7,24 51:17 53:19 56:4 82:21 87:10	settled 109:12	shuffling 8:17
roughly 55:11,16 140:9	scenario 45:13, 14,18,19 46:15 180:22	sectors 50:2 52:6 53:17	Seventy-six	shut 182:23
round 37:12 38:5 109:2	scenarios 45:1	seek 81:12		sic 39:10 104:25 143:3
RPU-2019-0001 113:6	scenes 29:5			side 15:7,16 37:3 70:24
RPU-2019-1 126:21	schedule 95:24 190:13			significant 19:17,24 21:16 22:16 23:4 86:17 117:11 184:13
rule 11:2 25:7				significantly 47:11 138:24 141:3
rules 8:4,5,6 23:20 25:3 91:8 96:3 201:11				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: similar..supply

similar 28:14 30:20 31:22 77:19 130:5 151:14 200:23	68:20,22 77:21	59:22 110:25	starts 163:10,18	subject 25:6 56:6 59:22,25 74:2 92:7,10,16,17 95:12 102:8 117:16 126:17,19, 23 127:2,5,21 128:1,12,15,19 132:12 133:2 145:20 147:14 168:16 170:2 190:10
simple 154:19	sounds 128:20 133:6 200:3	spending 28:21 32:17 43:25 47:21 49:24 59:16 119:1 131:12 142:2 170:25 171:4	state 17:17 19:17, 19 27:2 41:4 44:24 70:19 79:9 106:3,10 117:23 122:5 135:20 137:9 140:9 145:13 159:17 171:22 177:9 186:8	
simply 11:14 167:17 182:3	Sowden 8:20 13:4,5 14:21,25 15:12,21,22 16:13 17:6,11,15 18:8, 22 34:6,19 35:1, 14 39:11,15,18 40:3,6,12,23 41:2, 19 42:11 61:23 66:24 67:2 68:8 70:3,14,16 71:11, 17,20,25 72:7,14 73:5 74:11,22,25 75:3,13 82:9 104:1 113:18,21 114:19,22 115:23 120:9,21 121:17, 25 122:2,24 124:13,18 127:11, 13,19 134:22 135:6 136:11 137:25 138:1 144:17 146:10 168:25 169:2 172:14 174:8 185:7 187:8 190:19 199:19 200:11 201:17	spent 66:12	stated 103:6 161:10 182:8	submissions 44:14
simultaneous 200:9		spiral 183:10	statements 184:8	submit 89:25 150:2,17
single 183:19		split 124:16	states 36:16 161:6 178:11 179:3 180:8	submits 154:3
single-family 19:20 28:9,15 86:2 106:1,7 116:11 118:18		sponsor 29:9 42:8 44:16,19	stating 12:13	submitted 123:15 148:2 149:25 150:14,16, 20
sir 166:3		sponsored 42:5 57:13 67:7	statute 8:3	subset 49:17
situation 96:8 147:23 170:3		sponsoring 32:5	stay 190:19	substantial 21:25
situations 152:9 158:2		spot 14:6	stayed 159:3,4	substantive 91:11
size 51:20		spread 176:5	step 6:20 40:8 69:24 120:11 134:25 136:23 145:2 171:9 173:1 176:16 185:16 189:14	sufficient 99:23
slew 140:15		spreadsheet 111:9	Stephens 9:16 12:15,19 176:22 177:1,9,11 178:15 181:7	suggest 20:16 21:14 87:11
slide 163:9,10 169:14,15		stable 159:4	sticking 135:1	suggested 80:3 109:12
slightly 84:2 92:15 130:6 153:16	stacks 68:25	staff 6:14 8:17 48:25 64:10 65:20 74:12,22,24 75:6, 9 160:11 199:10	stipulation 136:9 137:23 146:8 172:11	suggesting 143:1
small 22:6	staff's 123:14	stakeholder 113:6	stop 119:16	suggestion 133:14 199:24
smart 85:2,5,17 86:1,12,25 108:15 138:13,23 139:1 141:12,15,18 142:12 143:4,5	stakeholders 23:15 32:16 81:13,18 85:14	stance 144:9	storage 188:7,11	sum 142:25
smartphone 143:2	specific 33:14 60:8 85:5 103:19 108:22 118:4 140:25 149:4	stand 16:15,17, 21 40:14 70:5 114:25 139:23	straightforward 168:14	summer 60:17, 19 90:10 91:14 97:24 163:12 167:11
socialized 92:6	specifically 27:3 74:1 85:24 97:12 101:4,19 117:7 124:5,22 125:3 150:24 152:24 168:4	standard 102:2 154:10	strategic 45:23 46:11,13	supplied 73:22
societal 54:17	speed 47:16,19 56:8	stands 88:7	strong 188:2	supply 78:5 152:8 163:11,12
solar 188:23	speeds 47:20 78:2 128:2	start 6:8 19:5 146:16	structure 22:4 33:11 95:19	
sole 9:10	spend 28:10 43:4,10 56:1	started 80:7 143:14		
solo 80:11		starting 30:10 160:20 161:21		
Solutions 52:11 53:13				
sooner 199:16				
sort 33:11 38:7 47:18 65:22				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: support..tract

169:17	taking 8:10 175:11 190:13,17	Tessier 9:5 30:20 31:21 142:21 171:14,15,24 172:2,11	testing 9:6 101:1	89:10 91:24 98:21 99:5 109:10 112:23 120:14 127:7 132:3,6,11 133:12 147:18 152:10 154:22 155:16 184:3 188:4
support 6:14 20:12,16 36:10 44:9 65:20 79:25 85:22 100:13,17 139:5 175:14,15	talk 45:17 52:4 156:16	test 54:17 189:2	tests 54:18,23 102:15	time-of-use 142:18 188:10
supporting 59:19	talked 101:19 182:16 199:14	testified 16:25 40:20 55:1,4 70:11 121:22 132:7 135:15 137:5 140:4 145:8 166:1 171:18 173:15 177:4 186:4	thermostat 85:17 86:1,13,25 138:23 139:1 141:12,15,19 142:12 143:4,6	tips 69:3
suppose 50:9 179:18	talking 38:9 43:4 48:9 50:17 59:14 140:20 144:10	testimony 6:13, 15,18 12:9,15,21 13:2 14:5 15:16 17:23 18:2,5,9,18, 20 19:6 20:5,7 21:13,17 25:12 29:17 30:5,11,18, 19,22 31:6,16,19 32:4 41:9,13,16, 20 43:14 44:20 45:7 59:11,13 60:12 64:10,24 67:4 71:1,5,8,14, 18,21 72:1,9,16 73:6 78:11 79:19 88:6 89:22 90:13, 14,25 97:11,14 99:4,9,12 101:4,6, 24 103:6,11 104:1,17,19 108:7 112:2,20,21 116:2 117:1 122:14,18, 21,25 125:9,15 126:5 128:7 129:14 135:5,8 136:1,7 137:15,21 138:22 140:5,8,21 142:21 145:19 146:6,17 147:5 150:24 152:24 153:2 158:6 159:17 163:24 164:8 166:20 172:3,9 173:5,24 174:3 176:8,10 177:18,21,24 179:11,13 185:4, 5,19,23 186:21,25 187:3,5,25 188:4 189:9	thermostats 85:2,6 108:16 138:13	times 34:21 73:3 105:13,15 119:21
surrebuttal 71:18,21 72:9 136:1 137:15 145:18 148:22 152:24 158:6 173:24 177:18 187:3	talks 56:11		thing 14:15 35:13 138:18	title 10:17 26:18 29:21 163:9 169:15
susceptible 152:8	target 167:5		things 14:16 17:7 37:6 56:8 69:9 78:3 128:3 149:8 160:8,11 167:19 182:15	today 6:5,9,16 7:6 8:21 9:19 11:13 12:18 18:5 41:16 50:11 52:8 71:8,16 91:19 95:17 96:6 98:25 122:21
suspect 12:23 53:3	targeted 22:12 25:18 161:2,12		third 105:11,15	told 6:9
swing 111:4	targets 25:14 31:1,13		third-party 20:21 32:1 95:13,20 116:23	top 60:10 82:7 162:11,12 163:10
switched 158:23	tariff 90:1,5,9 91:7,12 97:22 99:15 100:2,4 156:18,21,22,25 175:18		thought 16:19 61:12 88:11 108:9 141:2 199:3,16	topic 31:22 78:23
Switching 163:23	tariffable 157:14		thousands 182:23	topical 78:20
sworn 16:24 40:19 70:10 121:21 135:14 137:4 145:7 171:17 173:14 177:3 186:3	team 65:11		three 17:8 45:1 91:15 116:10 158:3,4 159:1 202:1	total 55:17 73:2 102:7 130:13
system 75:12 87:15 98:21 100:13,18,21 130:1,3 147:9 152:3 180:11 201:5	tech 14:7		three-page 105:11	touch 140:22,25 141:3
	technical 36:10 38:7 44:8 47:14, 17 48:3,11,13,15, 16,21 65:20,23,25 87:7,9,12		three-year 109:17,21,23 170:8 182:4	toward 140:19
	ten 64:10 67:19		threshold 168:13	towards 161:22
	tender 136:9 137:23 146:8 172:11 185:5		tied 130:1	town 69:24 120:24
	tenders 18:11 41:22 73:8 123:2 174:5		tight 183:7	track 24:4 28:22 32:7,10 49:12 53:4,8,12 77:13 88:9
	tenfold 188:22		Tim 142:21 171:14,15,24 172:2	tracked 52:25
	term 119:3,5 170:8,9		time 6:7 7:14 20:5 24:11 26:6 34:24 49:4 63:9,16 67:21 79:21 81:8	tracking 31:25 111:9,12
	terms 20:10 32:17,18 49:23 50:13 65:17 91:12,19 98:3 142:4 153:9,11			tracks 32:16 33:6
	territory 45:1 116:15 167:21			tract 83:21 150:1
T				
T-E-S-S-I-E-R 171:24				
tab 57:18,25 92:12				
table 28:14,20 57:17 85:6 140:4 148:2 150:14,17 165:1				

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: tracts..winter

tracts 33:18	turns 113:3	understood 17:11 66:6 90:25	127:22 128:10,24 132:19,23 133:1, 8,15 136:13,14 138:3,4 144:18,19 145:22 146:12,13, 15 147:1,4,16 151:11,16 152:10, 21,22 155:6,9,16 156:3,5 159:8 169:3,4 172:16,17 173:9,10,17 174:5 176:14,19 185:11, 12 187:11,12 189:23 190:4 199:23 201:20	Vognsen's 129:14 147:20
traditional 153:3	two 14:16 25:21 52:6 60:4 69:13 89:14 93:20 99:14 100:17 104:9 109:2 116:10 120:23 141:1 148:5 158:3,4 159:1 182:23	undertaking 127:23		volatility 109:1,6, 14 114:5,10 152:1
trained 117:23		unfortunately 10:20		VPN 157:10
training 68:6 79:13,20,25 80:2, 4 117:17 118:6, 15,19 119:23 160:11 178:21		unique 15:4		<hr/> W <hr/>
trainings 118:9, 13	type 38:8 47:8 48:13 50:20 79:21 82:23 87:9 180:10	unit 87:2 154:7		wait 29:22 35:13, 14 48:4,5 79:1 89:15
transaction 63:5		units 87:3		walk 88:1
transcript 190:25 199:15,21 201:4	typical 53:5 68:2 88:3	unproven 25:9		wanting 148:12
transition 163:14	typically 32:12 67:16 125:17	unsure 123:18 125:20,22		WAP 117:8
translated 88:25 98:3	typos 17:7	update 111:2,5 125:18		warrant 23:5
transmission 95:6 126:6 127:1 129:2,6 131:12, 15,16 132:2 133:25 134:4,8 174:17,21 175:2,3	<hr/> U <hr/>	updated 59:14 64:19 125:18 165:18	varies 90:24	warrants 23:12
treat 84:12 86:2	Uh-huh 158:12	updating 107:7, 12 125:16 165:17	VC 57:17	water 188:22
treated 83:15 116:15	ultimate 81:15	urgent 163:19,20	Velonis 8:23 28:1,6 40:14,17 41:3,5,8,22 42:3 58:18 62:19 64:12,17 67:5 83:13 87:5 101:17,19 120:24 121:3,13	ways 112:7,18 148:5
treatment 112:10,13	ultimately 51:5	usage 68:18 157:23 166:16	Velonis's 41:20 67:3 101:24	weatherization 26:24 27:2 106:3, 10,19 116:11,13 117:12 143:22
tricky 128:4	uncertainty 19:11,12 20:4 76:1 152:1	utilities 6:5 68:2 79:7 128:25 171:25	vendor 81:13,16 111:13	website 113:13, 14
trigger 111:5	unclear 19:12 72:3	utility 7:17 25:7 119:15 131:24 135:22 137:12 145:15	vendors 113:2	weigh 178:21
tripled 181:19	understand 23:12 30:8 32:16 36:2 49:9 56:13 100:18 105:17 106:12 127:21 142:22 156:19 162:19 178:1 181:8 188:25	utility's 36:24	verifiable 156:14	weighed 27:13
TRM 65:25		utilizing 119:10	verification 26:1, 6 30:24 31:11 32:2,22 81:9 164:4	weight 114:9 165:14,15 200:25
true 76:20 80:18 82:16 94:7,24 98:13,17 130:24 160:5 179:17	understanding 10:14,23 18:9 22:14 41:20 46:14 47:4 48:23 54:24 56:15 58:9 73:6 98:23 99:18,20 101:7 117:1 122:25 126:7 129:8,22,24 130:8,20 144:5 147:5 153:2 158:8 183:25 190:16	<hr/> V <hr/>	version 124:17	weighted 89:14 108:24
turbine 154:20		valid 135:3	versus 141:21 178:23	weighting 89:18
turn 29:20 57:12 59:11 67:3 101:3 114:24 126:4 129:17 152:23 158:5		values 89:14 183:15	vice 173:21	well-tailored 166:18
turning 20:7 25:12 27:6 30:8 52:3 78:11 90:13 120:22 125:14		Van 9:9 13:6,7 15:3,24,25 34:7, 18 35:16,17 61:24 62:8,9,13,16,18 63:16 64:3 93:16 97:7,9 99:9,11 102:22 106:21 114:13,14 121:9 125:25 126:1,3	Victor 173:21	whiff 109:8
			view 15:5 141:25 153:3	whiteboarding 128:5
			Vognsen 9:11 129:17,19 173:11, 12,18,20,22 174:6	whole-home 19:20
				wider 141:14,22
				winter 60:17,25 61:11,13 90:11 91:14 97:24 109:4

IN RE: INTERSTATE POWER AND LIGHT COMPANY
HEARING 06/08/2023

Index: wish..zooming

wish 12:10 168:22	21 42:13,17,22 48:4 55:23 57:19, 22 61:21,25 62:8, 11,14 63:20,23 64:5,9,15,25 65:3, 14 66:3,6,15,21 68:9,13 69:15,23 70:1,6,11,12 71:15,19 72:6,12 73:10 74:6,17,24 75:1,4,7,11,14,20 77:3,6 80:25 81:3 82:3,6,11 83:4,7 93:9,12,19 94:2, 14,16 96:23 97:1, 6 99:7 102:24 103:16,18,23 104:12,16,21 105:1,7,16,19,24 106:5,11,14,17 107:2,5,11,25 108:6,13,21 109:15 110:6,21 111:7,18 112:1,19 113:12,16,23 114:13,15,17,19 115:25 116:25 118:3,14,22 119:8 120:6,10,13,19 121:5,11,15,22,23 123:4,21 124:1, 11,15 125:25 127:4,17,20 128:8,11,22 132:13,21,25 133:10,17,21,23 134:3,7,11,16,20, 24 135:4,9,15,16 136:10,13,15,17, 19,22 137:5,6,25 138:3,5,7,9,12 139:4,8 142:22,25 143:5,13,17,24 144:4,14,18,20, 22,24 145:1,8,9, 24 146:9,12,21,24 147:15 151:9 152:14,17 155:4, 20,23 159:11 162:25 163:3 165:23,25 166:4 167:8 168:6,23 169:3,5,7,9 171:9, 12,18,19 172:13, 16,18,20,22,25 173:4,8,14 174:7,	10,12,14,16,20,25 175:13,19 176:7, 11,15,20 177:4,5 178:5,9 185:6,9, 11,13,15,18,22 186:3,5,11,15,20, 24 187:4,9,11,13, 18,20 188:3,9,16, 19 189:6,11,16,25 190:6 199:1,13, 22,25 200:2,4,8, 13,16,19 201:7, 20,23	184:6,13
witnesses 6:19, 23 7:2 8:12,22 9:4 10:5,25 11:14,21 18:20 65:15 120:23 121:7 173:7 189:17		yellow 155:8	
wonder 132:17		<hr/> Z <hr/>	
wondered 85:9		zero 181:17	
wondering 83:18		Zone 169:21	
Wood 164:22		zooming 7:13	
word 130:7	write 7:25		
words 182:22	written 36:5		
work 11:17 17:18 26:5 29:6 36:4 65:18 81:14 95:21 96:7 100:16 107:24 112:22 117:16,24 118:11 119:7,18,20,25 120:2,5 125:21	wrong 132:18,20, 23 147:10		
worked 7:20	wrote 36:4		
workforce 68:5 79:13	<hr/> Y <hr/>		
working 65:24 118:7	year 21:4,19,24 22:16,19 23:4 43:25 51:7 52:20 55:2,12,18 59:23 66:12 67:16 68:15 69:6,11,14 73:1, 20,21 80:5 90:24 103:11,12 104:2,6 105:13 106:7,9 109:3,4 110:2 114:6 140:24 148:6 149:23 150:11 152:5,8 153:21,24 159:5 161:24 179:12,14 183:19 184:11		
works 11:8,19 29:6 113:21	year's 66:11 183:16		
worth 179:12	year-by-year 28:7 119:4		
wrap 190:23	year-over-year 152:2		
wrapping 190:17	year-round 61:3		
Wright 6:2,4 8:25 9:6,12,17,21,25 10:4,9,22 11:16 12:4,7,22 13:6,8, 11,14,24 14:2 15:1,10,15,23 16:1,5,7,10,16,19, 24 17:1,5,13 18:13,23 24:2,13, 18 29:22,25 34:4, 8,10,12,18 35:5,8, 12,15,19,22,24 36:7,12,20 37:8, 14,17,22 38:9,13, 18,22 39:4,8,13 40:5,7,10,15,20,	years 30:7 36:8 37:10 67:19 69:13,21 91:15,16 109:1,3 119:17 131:4 147:17,20 148:3 159:5 164:16 175:5		