```
Page 1
                   7/20/2023 - Monthly Meeting
1
                         STATE OF NEW YORK
 3
                     PUBLIC SERVICE COMMISSION
 4
                          MONTHLY MEETING
                      Thursday, July 20, 2023
                    10:30 a.m. until 3:27 p.m.
               ESP, Building 3, 19th Floor Boardroom
                      Albany, New York 12223
10
11
    COMMISSIONERS:
12
    RORY M. CHRISTIAN, Chair
13
    DIANE X. BURMAN
   JAMES S. ALESI
14
15
    TRACEY A. EDWARDS
16
   JOHN B. HOWARD
17
   DAVID J. VALESKY
18
    JOHN B. MAGGIORE
19
20
21
22
23
24
25
```

	Page 2
1	7/20/2023 - Monthly Meeting
2	(The meeting commenced at 10:30 a.m.)
3	CHAIR CHRISTIAN: Good morning,
4	everyone. I call this session of the Public Service
5	Commission to order. Madam Secretary, are there any
6	changes to the final agenda?
7	SECRETARY PHILLIPS: There are no
8	changes to the final agenda.
9	CHAIR CHRISTIAN: Thank you. Before
10	moving to the agenda, I'd like to conduct a roll call
11	of Commissioners. When I call your name, please
12	confirm that you are present. Commissioner Diane
13	Burman?
14	COMMISSIONER BURMAN: Present.
15	CHAIR CHRISTIAN: Commissioner James
16	Alesi?
17	COMMISSIONER ALESI: Present.
18	CHAIR CHRISTIAN: Commissioner Tracey
19	Edwards?
20	COMMISSIONER EDWARDS: Present.
21	CHAIR CHRISTIAN: Commissioner John
22	Howard?
23	COMMISSIONER HOWARD: Here.
24	CHAIR CHRISTIAN: Commissioner Dave
25	Valesky?

	Page 3
1	7/20/2023 - Monthly Meeting
2	COMMISSIONER VALESKY: Here.
3	CHAIR CHRISTIAN: Commissioner John
4	Maggiore?
5	COMMISSIONER MAGGIORE: Present.
6	CHAIR CHRISTIAN: Thank you. Everyone
7	is in attendance. We'll now move to the first item
8	on the regular agenda. Item 203, case 18-M-0084
9	related to energy efficiency and building
10	electrification proposals. That'll be presented
11	today by Katie Mammen and Peggie Neville. Kevin Manz
12	and Dave Drexler are available for questions. Katie,
13	please begin.
14	MS. MAMMEN: Thank you. Good morning,
15	Chair Christian, and Commissioners. Item 203 is a
16	draft order directing proposals for energy efficiency
17	and building electrification portfolios. Before
18	addressing the details of this draft order, I'd like
19	to first re-familiarize you with the process in which
20	we are currently engaged.
21	In September of 2022, the Commission
22	issued an order that initiated an interim review of
23	the NYSERDA Clean Energy Fund, also referred to as
24	the C.E.F. and the utility, New Efficiency: New York
25	portfolios and indicated the reviews would be staged,

	Page 4
1	7/20/2023 - Monthly Meeting
2	beginning with the Energy Efficiency and Building
3	Electrification, or E.E.B.E. portfolios.
4	As required by that order a staff
5	report on the E.E.B.E. portfolios was filed in
6	December of 2022 and contained portfolio performance
7	to date, staff observations, and a series of
8	questions to solicit feedback from stakeholders.
9	At the end of March of this year, the
10	Commission received a significant number of comments
11	from a wide range of stakeholders providing feedback
12	on the staff report and the questions posed within
13	it.
14	The draft order before you today
15	considers the staff report and the substantial public
16	input filed in response and addresses the development
17	of future E.E.B.E. portfolios with several key
18	actions.
19	Specifically, this draft order adopts
20	a strategic framework, which is intended to better
21	align program offerings with the Climate Leadership
22	and Community Protection Act, or C.L.C.P.A. by
23	focusing E.E.B.E. activities on building de-
24	carbonization and ensuring an emphasis on delivering
25	benefits to disadvantaged communities.

	Page 5
1	7/20/2023 - Monthly Meeting
2	It establishes clear roles for the
3	utilities in NYSERDA collectively referred to as
4	program administrators to play within portfolios and
5	also delineates the responsibilities of utilities
6	versus NYSERDA in delivering the Statewide L.M.I.
7	portfolios to address some performance issues
8	highlighted in the staff report.
9	The draft order indicates the
10	Commission will not consider any newly filed or
11	submitted E.E.B.E. related earnings adjustment
12	mechanisms or E.A.M.s. It imposes and
13	operationalizes the C.L.C.P.A. goal to ensure a
14	minimum of 35 percent and a goal of 40 percent of
15	benefits to disadvantaged communities as a result of
16	the E.E.B.E. portfolio.
17	It directs program administrators to
18	file proposals for post 2025 E.E.B.E. portfolios
19	within 90 days of the issuance of this order. And
20	finally, the draft order provides additional policy
21	guidance and direction related to the design and
22	operation of the E.E.B.E. programs.
23	As noted in the staff report and
24	reiterated by a number of commenters, the current
25	programs rely heavily on lighting measures. And

Page 6 7/20/2023 1 Monthly Meeting while such programs were extremely effective in transforming the lighting market at this point, 3 particularly with changes to the federal lighting 4 standards, it is time to shift away from lighting 6 centered programming and towards other types of 7 measures that can support building de-carbonization. To facilitate this shift, this draft 9 order adopts a framework that institutes a structure 10 whereby programs and measures can be categorized into three separate types; strategic, non-strategic, and 11 12 neutral. 13 Strategic programs and measures are those that support building de-carbonization, 14 including heating electrification or heat pumps, and 15 16 building envelope improvements. Within this 17 framework strategic measures must account for at 18 least 85 percent of a program administrator's budget. 19 Non-strategic programs and -- and 20 measures include those that, among other things, 21 jeopardize the advancement of strategic programs and 2.2 measures, increase fossil fuel or energy usage, have 23 relatively short lives, or are naturally occurring 24 and do not require ratepayer funding to influence 25 adoption.

	Page 7
1	7/20/2023 - Monthly Meeting
2	Program administrators may not
3	allocate any funding toward the non-strategic
4	category, except under special circumstances for
5	L.M.I. programs where a program administrator can
6	demonstrate that a measure would meaningfully advance
7	energy affordability.
8	Finally, neutral programs and measures
9	are exactly that, they neither neither advance nor
10	jeopardize strategic programs or measures, but they
11	do result in overall reduction in an annual energy
12	use. Neutral measures may account for up to fifteen
13	percent of a program program administrator's
14	budget.
15	The framework set forth in the draft
16	order is expected to compel program administrators to
17	evolve their portfolios away from lighting and toward
18	the measures and programs that better align with the
19	intent of the C.L.C.P.A. and best position us to
20	achieve the State's ambitious clean energy goals.
21	In an effort to ensure efficient use
22	of ratepayer funds and eliminate market confusion and
23	program competition, this draft order sets forth
24	specific roles and responsibilities for NYSERDA and
25	the utilities to further take advantage of their

	Page 8
1	7/20/2023 - Monthly Meeting
2	relative strengths.
3	To improve the services provided to
4	low to moderate income households, the draft order
5	adjusts and streamlines the current administrative
6	model, which the staff report indicated creates a
7	misalignment between the design and desired outcomes,
8	administrative delays and a comprehensive L.M.I.
9	portfolio that has struggled to take hold.
10	Under the new L.M.I. implementation
11	model, NYSERDA will have the primary responsibility
12	for serving one to four family homes across the state
13	and multi-family buildings Upstate. The draft order
14	would require utilities due to their direct access to
15	customers to work with NYSERDA to effectively address
16	referrals and customer outreach.
17	In the Downstate territories NYSERDA,
18	Con-Edison and the KeySpan companies will work
19	alongside one another playing to each entity's
20	strength to serve the affordable multi-family
21	building segment. The draft order requires the
22	affected organizations to further detail this
23	coexistence within their forthcoming proposals.
24	This new model positions NYSERDA to
25	integrate the federal funding authorized under the

	Page 9
1	7/20/2023 - Monthly Meeting
2	Inflation Reduction Act, which is largely targeted
3	toward the L.M.I. sector into the ratepayer funded
4	E.E.B.E. programs.
5	As pertains to the non-L.M.I.
6	portfolio roles at the outset of the C.E.F. the
7	Commission directed NYSERDA to shift its focus from
8	end-user incentive programs to those we consider
9	market development, or activities that address some
10	of the other non-financial barriers to energy
11	efficiency and building electrification.
12	In this draft order, the Commission
13	provides further direction and focus by assigning
14	NYSERDA the responsibility for Statewide efforts,
15	targeting workforce development, codes and standards,
16	technical assistance and audits, purposeful
17	demonstration projects, and customer awareness.
18	Utilities, on the other hand, will
19	focus on end-user incentive based programs, including
20	New York State clean heat, and building shell
21	programs. In addition, utilities are also expected
22	to leverage their unique ability to ensure the State
23	electrifies effectively by incorporating by
24	incorporating their insight into grid needs and gas
25	planning as they design and implement their E.E.B.E.

	Page 10
1	7/20/2023 - Monthly Meeting
2	program activities.
3	Regarding E.A.M.s, the draft order
4	before you today would pause any future consideration
5	of energy efficiency and building electrification
6	E.A.M.s included in rate proceedings or joint
7	proposals filed after the issuance of the order.
8	This pause allows us to better
9	understand what the budgets and targets for the
10	energy efficiency and building electrification
11	portfolios will look like beyond 2025 and reconsider
12	the design of, and need for, E.A.M.s as we move
13	forward.
14	The draft order does reinforce the
15	need to hold all program administrators accountable
16	for performance, but provides staff and the
17	Commission time to determine whether positive only
18	E.A.M.s or E.A.M.s in general are the most effective
19	way to do so.
20	The draft order also recognizes
21	deliberation on these topics is best undertaken once
22	there is a better understanding of the post 2025
23	E.E.B.E. portfolios and indicates these E.A.M.s, will
24	be considered generically rather than individually
25	within each utility's rate proceeding.

	Page 11
1	7/20/2023 - Monthly Meeting
2	Due to the scale of the effort
3	required to achieve the State's ambitious clean
4	energy and de-carbonization goals, the draft order
5	recognizes ratepayers cannot be wholly responsible
6	for funding those efforts.
7	The draft order, therefore, adopts a
8	budget-bounded approach whereby utilities and NYSERDA
9	will file proposals totaling \$1 billion per year for
10	the post 2025 period. The draft order speaks
11	explicitly about the need for program administrators
12	to pursue all federal funding and to demonstrate such
13	in their proposals.
14	It also references the recent creation
15	of of a cap and invest program and states that
16	that the Commission intend intends to initiate a
17	process once more details are available to consider
18	how, when and to what degree ratepayer funding for
19	these E.E.B.E. programs should wind down if feder
20	funding from cap and invest proceeds becomes
21	available.
22	Within 90 days of the issuance of this
23	order, NYSERDA and the utilities will be required to
24	submit proposals detailing their proposed E.E.B.E.
25	portfolios responsive to the strategic framework and

	Page 12
1	7/20/2023 - Monthly Meeting
2	other policy guidance set forth by the Commission.
3	The program administrators will also
4	be required to hold one or more technical conferences
5	to present their proposals to interested parties.
6	The proposals will undergo a public comment process
7	and then be brought back before the Commission for
8	consideration.
9	Taken as a whole, the actions included
10	in the draft order before you will ensure a necessary
11	evolution and focus of the energy efficiency and
12	building electrification portfolios that will more
13	closely align our programs with the core objectives
14	of the C.L.C.P.A.
15	That completes my presentation.
16	Peggy, Kevin, Dave, and I are available to take
17	take any questions you may have at this time.
18	CHAIR CHRISTIAN: Thank you for the
19	presentation and for all the hard work that went into
20	drafting this order. It's a complex order and it
21	deals with a very important forward looking issue of
22	how we're going to be managing energy efficiency and
23	electrification going forward.
24	You know, I I look at the
25	improvements that you've identified to this and I

Page 13

7/20/2023 1 Monthly Meeting think it puts us in a very good position through the 3 established framework, to look towards the future 4 with the goal of aligning our energy efficiency and building electrification efforts with the various 6 ambitions established by State climate policy goals. 7 Now, today's actions establishes this 8 framework where we can streamline and scale program 9 delivery, better aligning our current efforts by moving away from what we previously looked at as 10 individual utility level goals towards a focus on 11 12 more Statewide outcomes. 13 And I think the timing couldn't be better, as you pointed out, the ability to integrate 14 15 the federal funding that will soon be available 16 through the Infrastructure Investment and Jobs Act 17 and the Inflation Reduction Act, I think, puts us in 18 a very fortuitous position, both to amplify and 19 accelerate our efforts and make these adjustments 20 today positions us to take full advantage of this 21 funding. So it's -- it's encouraging to see 2.2 23 I'm happy to see this. I'm looking forward to 24 what we'll receive in the next ninety days from the 25 utilities and NYSERDA. And I -- I want to amplify

	Page 14
1	7/20/2023 - Monthly Meeting
2	this when we receive those proposals, it will be
3	subject to further Commission review, at which time
4	we'll decide upon those proposals and the direction
5	going forward.
6	So thank you again. And now, we'll go
7	to Commissioner Burman.
8	COMMISSIONER BURMAN: Thank you so
9	much. Thanks for the presentation and clearly all
10	the hard work that has gone into to get us where we
11	are today. For me, it is kind of about looking at
12	where we've been, where we are, and where we're
13	going, and how does this all fit within the larger
14	path forward in our energy initiatives.
15	Especially, as they relate to
16	improving system reliability, ensuring that the grid
17	is safe and also affordability baked in with our
18	clean energy goals. Historically, energy efficiency
19	has been considered a important go-to, and I think
20	that continues today and I think it continues on the
21	path forward.
22	We know that all that we can do on
23	energy efficiency in a prudent and responsible way
24	will help us as a whole, and I don't think that's in
25	dispute. You know, we started with the system

	Page 15
1	7/20/2023 - Monthly Meeting
2	benefit charge and then it it morphed into the
3	E.E.P.S., Energy Efficiency Portfolio Standard which
4	had a number of different phases.
5	Some okay, some pretty bad, and some
6	need for system improvement program improvement.
7	And you know, for me the the lessons from E.E.P.S.
8	really resound with me because it's important for us
9	to remember that history, because that history was a
10	lot of good faith attempts to try to do something
11	well in energy efficiency.
12	And while there were some successes,
13	there were a lot of missteps, and lack of
14	coordination, and lack of ability to once we were in
15	the program to extricate from it to make changes that
16	were necessary and to do it in a way that had us all
17	moving forward.
18	That then led into REV and some of the
19	changes with energy efficiency, in particular, the
20	the inclusion of a number of different EAMs with E-
21	TIPS, which I hated, I think everyone knows that, I
22	think most people would probably agree with me.
23	And then it it morphed into
24	N.E.N.Y. and and C.E.F. also became a part of
25	that. And then we're now here, I guess, the acronym

Page 16 7/20/2023 1 Monthly Meeting is E.E.B.E., right, or it should B.E.E. it should be 3 backwards, but that's just me. 4 I -- I do think that what is really important is that the consistency in being willing to look at continuous improvement and understanding the importance of the lessons from that. The balance is always hard, how prescriptive is important, how 9 specific, how, you know, that took us down the rabbit 10 hole with E.E.P.S. where, you know, every dot was all 11 about, sort of, the paper transactions, right, and --12 and -- and reporting. 13 But it also is then about allowing us to be flexible, but to have the right evaluation, and 14 performance metrics, and the right accountability to 15 16 see if the dollars that are being utilized and the 17 activities that are being encouraged are actually 18 helping us move forward. 19 And so looking now at, sort of, 20 another framework is important to make sure that, as 21 we move forward, we are mindful of some of the 2.2 missteps. And again, keeping in mind it's really 23 hard in this area of energy efficiency to know 24 exactly what works. The carrot, the stick, the 25 particular activities that may be helpful for one

Page 17 7/20/2023 1 Monthly Meeting customer, one community can be very different in 3 another area. 4 It can't be just done in isolation, what it looks like in terms of doing an energy 6 efficiency upgrade, is it actually working if you're 7 not addressing other core things that are necessary, that help with that. 9 And then, you know, the focus of 10 targets, you know, we had the 15 by 15 years ago, 11 we've had other targets. And so understanding that 12 targets are helpful, but also that it's not just 13 about trying to meet the target, they're going to be 14 opportunities and challenges that will require us to 15 have to pivot, will require us to look and carefully 16 evaluate. 17 Each utility will be a little 18 different. For some energy efficiency activities it 19 may be harder to do even if it looks on paper like 20 the same thing. So having to recognize that there 21 may be more dollars that need to go into something to 2.2 have a longer term success and also understanding 23 that there -- the challenges of meeting some of these 24 targets, you know, especially in perhaps gas energy 25 efficiency are -- are going to be monumental.

	Page 18
1	7/20/2023 - Monthly Meeting
2	And that doesn't mean that if they
3	don't meet them, or if there needs to be some sort of
4	recognition of that that it's a fail, it just
5	needs to be strategic in terms of looking at that.
6	For me, I think some of the things that have been
7	true throughout all of the different reiterations of
8	energy efficiency has been about roles and
9	responsibilities.
10	Looking at how to maximize private
11	investment and the marketplace in a way that that
12	helps with whatever state funding may be available.
13	Looking at, again, the accountability and oversight
14	and looking at what is the access necessary in terms
15	of some data points to be able to do that properly
16	and evaluate properly.
17	The interim review, which I think, you
18	know, is a really important one, is just one step in
19	a lot of our tools in review of our clean energy
20	plan. We're started with B.E.E sorry, I'm just
21	going to make it B.E.E.
22	And and and so we're kind
23	of here now. I will point out that we do have
24	difficulty in evaluating programs in isolation of the
25	larger whole. And that for us, one of the things

	Page 19
1	7/20/2023 - Monthly Meeting
2	that, that is challenging is that cost for much of
3	and we will get into that in the tracker, but cost
4	for much of the C.L.C.P.A. and other, you know,
5	mandates have not necessarily been clearly identified
6	and articulated.
7	And so here, when we are looking at
8	what does this mean, what dollars should be spent in
9	the the the path forward it's hard to evaluate
10	what that right pressure point is, what that right
11	dollar amount is because it we can throw a lot of
12	money at a lot of things and still not touch it.
13	And so we are going to have to be
14	prudent and responsible in looking at all of the
15	different programs and where we are going to need to
16	have some little bit of balance, perhaps retract some
17	of that funding and also, kind of, look at the
18	transition with that.
19	I want to point out a few things that
20	I think that staff is is grappling with, or at
21	least me reviewing it sees and want to make sure that
22	I clearly support you, but also clearly identify what
23	I think is a perhaps challenge.
24	Throughout all of our energy
25	efficiency programs and frameworks, starting with

	Page 20
1	7/20/2023 - Monthly Meeting
2	S.B.C. but also E.E.P.S. primarily and then REV.
3	There were many different working groups, committees,
4	councils, advisory folks, all with good intentions
5	working together, sometimes it worked well, sometimes
6	it didn't.
7	It's clear here that staff has
8	identified a process improvement with the L.M.I.
9	management committee. Katie, I went through the
10	different summaries of the different meetings and,
11	kind of, overview that it's online that showcased
12	to me the incredible efforts, the incredible
13	professionalism, the incredible trying to get
14	everyone to row the same way and and figuring out,
15	you know, something needed to change.
16	It may not get easier even though
17	we're trying a different approach, and in fact, it is
18	not lost on me that staff wears many hats, including
19	the oversight of NYSERDA and it's hard to now take
20	what I see is you're stepping up, you're wanting to
21	take in in in an appropriate leadership role
22	in that collaboration.
23	I do think that we will need to have
24	some check-in points earlier rather than later to
25	make sure that it is seeming to be working well.

	Page 21
1	7/20/2023 - Monthly Meeting
2	What are some of the outside and inside problems that
3	are presenting and how can we how can we figure it
4	out.
5	That is not to say that everyone
6	should come to that that working group, council,
7	management committee, you know, saying, yeah, we're
8	all in all good, right. I think there needs to be a
9	healthy debate, and discussion, and pushback as
10	appropriate because it we we can't be dictating
11	from on high some of the different things and
12	especially to the utilities who have to work with
13	their customers on a lot of this, it is about them
14	knowing their customers and the engagement with that.
15	So the opportunity for NYSERDA to have
16	a larger role in a different way is an important one.
17	NYSERDA needs to get it right for us and for what I'm
18	going to be looking for is in the proposals that come
19	back from all the program administrators, utilities
20	as well as NYSERDA is a clear understanding of what
21	they see as that.
22	It's not just about what you plan on
23	doing, but about how you think the collaboration
24	works. People should be very comfortable in sharing
25	their concerns. People should be very comfortable in

Page 22 7/20/2023 1 Monthly Meeting sharing where they think they have expertise, where they don't, where there will need to be some other --3 4 other, you know, folks support. Staff needs to not be, you know, 6 drowning in the work, you need to speak up. So to 7 me, I'm -- I'm comfortable with giving NYSERDA a different role, but I'm going to be looking at what's 9 presented to really see that they understand the 10 expectations. 11 And that's coming back to us for 12 approval on, and it needs to be sufficient and 13 detailed enough so that we can clearly see where some 14 of the challenges may be. The order does, sort of, 15 identify not only that this is a forward-looking post 16 2025 focus, but it identifies that there needs to be 17 an alignment with the federal funding, as well as, 18 the still unclear cap and invest program. I think 19 the order is diplomatic in addressing that, we should 20 be less diplomatic. 21 To the extent that NYSERDA is 2.2 identified as the State lead on a lot of these 23 federal funding dollars that -- that will impact what 24 we do, it's appropriate that NYSERDA has this larger 25 role.

	Page 23
1	7/20/2023 - Monthly Meeting
2	However, we cannot be blindsided or
3	kept out of the loop in a especially staff, in
4	being involved in the decision-making that ultimately
5	impacts us as economic regulators and the the
6	the the the monies that are there. We need to
7	make sure that the alignment is done sufficiently,
8	that we feel comfortable, it is prudent and we are
9	doing and and responsible.
10	To the extent that we already have
11	indicated publicly that we care about what the
12	utilities are doing on federal funding. Most of the
13	utilities, large utilities have filed documents
14	indicating what they're doing.
15	Federal funding is not it's not as
16	clear, there's going to be many different ups and
17	downs with that, many different changes. We need to
18	help everybody working together to access the
19	funding, but we also need to be looking at what does
20	that mean so that we don't keep just saying, okay,
21	great, you got that and we're going to continue
22	collecting from ratepayers.
23	There is a recognition that if there
24	are monies through the cap and invest that somehow
25	that perhaps can, you know, help us alleviate the

	Page 24
1	7/20/2023 - Monthly Meeting
2	rate pressure here across the board. I worry that
3	that will never happen.
4	I think that the diplomacy in the
5	order needs to be a lot clearer, in that we need to
6	figure out the off ramp in a way that's much more
7	mindful of the rate upward rate pressures that
8	keep happening. In fact, I believe, this order for
9	the first time ever has identified expressly that
10	ratepayers cannot continue to bear the brunt of this.
11	You say it much better than I do, but I'm just
12	cutting to the chase.
13	That is something that us, as
14	individual Commissioners for the most part have said
15	publicly, but it is the first time it is actually in
16	an order. It's larger than the energy efficiency or
17	the B be energy efficiency.
18	It is really for us to now go beyond
19	just the words, but to try to plan out what that
20	looks like without putting at risk reliability,
21	safety, and also ensuring that there's the financial
22	health of our utilities is still sound because that
23	helps the customers.
24	We need to be understanding that there
25	is a continued well-meaning focus on increasing our

	Page 25
1	7/20/2023 - Monthly Meeting
2	clean energy mandates in a way that seems to have
3	direct and indirect economic impact for the
4	ratepayers.
5	So it is not lost on me that here
6	we're saying ratepayers can't continue to bear the
7	brunt of all of this, but what if there's more
8	legislation that gets signed that we have to deal
9	with. I think that for us it's important to help,
10	sort of, set the stage that us as a commissioned body
11	has an obligation to look at all of our statutory and
12	regulatory obligations and ensure that we are setting
13	the right roadmap and that we are not continually in
14	a defensive position.
15	And I think that it's important to me
16	that the order and I think every order should
17	continue with that and help to build upon that, what
18	does that look like. Because we're going to need to
19	be creative in how to implement current legislation
20	and perhaps future legislation without just being
21	check the box, have to do it, right, we we have to
22	we have to start figuring that out.
23	Some of the things that we've asked
24	the utilities to do, like the marketplace and now
25	saying we're going to the online marketplace we're

	Page 26
1	7/20/2023 - Monthly Meeting
2	going to sort of move away from does have me a little
3	concerned because there's been a lot of investment in
4	trying to get those right.
5	And I worry that there may be
6	depending on what it looks like, there may be still
7	some more value there. And there also may be value
8	in how do we look at perhaps giving them more
9	flexibility rather than, sort of, dictating,
10	everybody must have, you know, this, working within
11	that the same way we don't appreciate prescriptive
12	legislation, I think we need to, sort of, look at it
13	from the flexibility as well.
14	Some of the things in here, I think,
15	are very important. There was also some language in
16	here about no longer subsidizing gas appliances. Can
17	you speak a little bit to why we're being
18	prescriptive in that?
19	MS. NEVILLE: Sure, happy to. So
20	specifically with the gas appliances as as Katie
21	mentioned, the strategic framework really is trying
22	to impose some shifting that not only would evolve
23	the programs away from, kind, of what we always refer
24	to in the energy efficiency space as low-hanging
25	fruit, lighting is often cited as that.

	Page 27
1	7/20/2023 - Monthly Meeting
2	But gas residential gas, boilers
3	and furnaces has also been a type of low-hanging
4	fruit, we've been at that for many decades. In the
5	State of New York, we have a certain market condition
6	where higher the the standard for gas equipment is
7	set at a national level.
8	And so our market condition in New
9	York State is that there are efficiency levels that
10	are far exceed the standard. So in part, obviously
11	our climate goals have us looking at switching off of
12	fossil fuel, that's not the only reason why we're
13	looking at that in this order.
14	And part of that looks at trying to
15	design programs that are not really targeting a lot
16	of free riders. And so regardless of the size of
17	budgets budgets, excuse me, it's still finite.
18	And so we're trying to direct the funding where we
19	think we can make the most impact.
20	So specifically, with things like gas
21	efficiency, predominantly those programs to date have
22	been residential gas, boilers and furnaces and
23	behavioral home energy reports. We need to really
24	look at tightening building envelope shell work,
25	that's a very challenging area to to fund and to

	Page 28
1	7/20/2023 - Monthly Meeting
2	kind of get right, it's it's messy work, it's
3	complicated and it costs a lot.
4	So I think from the perspective of
5	this order, kind of, laying out a transition from
6	what we've been doing for the last number of years
7	towards where we need to go, gas efficiency can also
8	look at tightening up building envelope and that
9	makes sense on day one, regardless of your heating
10	fuel.
11	So while we look at the transition,
12	while people are still using natural gas as a heating
13	source, they will save money, we will save emissions
14	by looking at building envelope improvements. And so
15	that's kind of the the shift that this is
16	dictating.
17	COMMISSIONER BURMAN: Thank you. So I
18	think that that's going to be a challenge. I
19	understand, sort of, the concern on free riders, but
20	I think that some of that also needs to be looked at
21	in that, are we perhaps in certain circumstances
22	inappropriately chilling not only customer choice,
23	but low income customers and others who aren't free
24	riders.
25	We're we are blessed in New York to

Page 29 7/20/2023 1 Monthly Meeting have, you know, appliances that are of a high 3 quality. And so you know, we don't necessarily want 4 to see going backwards in that people do not embrace energy efficiency because we're, sort of, picking and 6 choosing, you know, and -- and -- and -- and putting 7 at risk, perhaps safety and -- and perhaps not upgrading when they need to. 9 I do think that when you look at the 10 free ridership issue, that could also be something 11 that in the E.V. space people would say, right, so here we're focused on it, using that as, you know, a 12 13 rationale, but not necessarily examining that across 14 the board. 15 What does it mean from a free 16 ridership perspective, no problem looking at that 17 issue, but I think that gets to siloing the programs. 18 I will say that the order, while it is clear in some 19 of the things that are, you know, definites, there's 20 language in the order that says we recognize as we 21 move forward that we may need to make modifications 2.2 and changes. 23 And that means that as we move 24 forward, it is not just the energy efficiency program 25 that we're looking at, we have to be looking at what

	Page 30
1	7/20/2023 - Monthly Meeting
2	does it mean from in a reliability perspective,
3	what does it mean from a cost perspective, what does
4	it mean in terms of perhaps some of the unintended
5	consequences by having the prescription, you know,
6	anti the incentives for the gas appliances,
7	perhaps positively.
8	It includes more on the building
9	envelope issues that we need to address,
10	understanding that's more costly. So we have to not,
11	you know, not see it as a negative, but it also means
12	that we may need the unintended consequence may be
13	that some of the hybrid heating solutions that would
14	pair nicely an incentive for, you know, a gas
15	equipment paired with a heating pump may actually be
16	a perfect solution.
17	And so looking at some of those hybrid
18	heating solutions and incentives that would go to
19	that overall rather than sort of saying, nope,
20	heating pump yes, gas part of it, no because that may
21	actually disincentivize the use of the heating pump.
22	So just things for us to be mindful
23	of, it will be the utilities and the customers and
24	those folks involved in the, you know, on the ground
25	stuff who will know where some of the unintended

	Page 31
1	7/20/2023 - Monthly Meeting
2	consequences are.
3	And so I look I look to them in
4	sharing that, but what I'm hearing is, look,
5	understandably a lot of the low hanging fruit was
6	utilized, right, the lighting. And so we are trying
7	to get more sort of deeper savings, deeper energy
8	efficiency activities.
9	And so we're trying to to address
10	that and so that's kind of pushing it up that way.
11	In here and and one of the things that I paused
12	on is there was language about no longer focusing on
13	cost effective energy efficiency.
14	Can you kind of walk me through what -
15	- because that concerned me and and I I think
16	that it's important for us to flush that out.
17	MR. MANZ: Sure. So I think that the
18	order is is saying we we don't want to use cost
19	effectiveness and in parentheses as a the the
20	singular focus on these portfolios. I think cost
21	effectiveness means different things to different
22	people, different parties.
23	And can be defined at different
24	levels. I think, you know, from a traditional B.C.A.
25	test in economics all the way down to kind of a

	Page 32
1	7/20/2023 - Monthly Meeting
2	customer cost effectiveness. So it's not that cost
3	effectiveness per se is is is not important, it
4	is.
5	But as you pointed out earlier, these
6	energy efficiency portfolios are very complex, it's
7	not just a single technology, there are many
8	technologies. So if you say cost effectiveness is
9	the singular focus, you may end up with just very
10	inexpensive measures like lighting that we've seen in
11	the past.
12	So because it's a diverse portfolio we
13	need to look at, kind of, cost effectiveness of each
14	of these different mem measures within the
15	portfolio and kind of try to optimize around that.
16	COMMISSIONER BURMAN: So I I
17	understand that, and I very much appreciate that in
18	this order, again, it is the sort of the first time
19	that we, I think, as a draft order are sort of trying
20	to thread that needle. The B.C.A. model for energy
21	efficiency and cost effective to meet the targets, I
22	think, wasn't working.
23	And it is not to say we don't care
24	about cost, but I think it's about how do we look at
25	it, how do we examine it, and how does that match up.

Page 33

7/20/2023 1 Monthly Meeting On the other hand, we also have to keep in mind we can't just say, but it's all good because societal 3 benefits outweigh, you know, and -- and -- so it is 4 sort of a recognition of what we were all speaking in 6 terms of costs and benefits needs to be clear. 7 we are actually helping so that we are not using that to pick our favored activity, program, or fuel of 9 choice. 10 And I think that that sort of aligns with the understanding of -- the importance of, in 11 this case, the energy efficiency, but also in terms 12 13 of the importance of how hard it is and looking at 14 what that means from our oversight and 15 accountability, so I appreciate that. 16 I do want to have you walk through 17 what we are saying on the EAMs because I worry that 18 at a -- it -- it appears like we are looking to 19 get rid of EAMs in energy efficiency. And just keep 20 in mind under REV we have about seven different EAMs that were utilized. 21 2.2 And I just want to get a sense, again, 23 it gets back to that carrot and stick approach and 24 what that looks like. So if you can explain that a 25 little bit.

	Page 34
1	7/20/2023 - Monthly Meeting
2	MR. MANZ: Sure. So the order is
3	is really putting up a pause on the energy efficiency
4	and building electrification related EAMs only. And
5	and that's really because we we are looking
6	forward here in in this order to that beyond post
7	2025 look.
8	The E.A.M.s that we've we've
9	traditionally seen to date through rate cases have
10	have been very focused on that, share the savings or
11	cost reduction. And that doesn't really line up
12	great with this future looking portfolio and
13	framework that we're we're talking about here.
14	So it's it's just a pause to kind
15	of reevaluate. I don't think we're saying get rid of
16	them for good and never look back. But maybe there's
17	something kind of down the road in the future that we
18	would be able to look at post 2025.
19	But just for now, it it doesn't
20	work with with where we're transitioning to.
21	COMMISSIONER BURMAN: Okay. Thank
22	you. I think that's clear. Obviously, there's
23	always a need to look at, sort of, the metrics and
24	the opportunities for helping to increase activities
25	that we're trying to drive. And then, also keeping

	Page 35
1	7/20/2023 - Monthly Meeting
2	in mind that it is something that needs to be clearly
3	evaluated in a way that doesn't improperly penalize
4	or improperly give.
5	So to the extent that I I I
6	understand this is not this is something I think
7	that that has more legs outside of just here,
8	right, across the board, what is the carrot and stick
9	approach, how are we helping, what does it mean that
10	we're doing and and trying to get under it.
11	So you know, I don't I don't really
12	have I don't really have any more questions for
13	you. I will say that for me, I can support this
14	because I see that there is a path forward and that
15	there is going to be more engagement and looking back
16	to what comes to the Commission in a way that I think
17	is helpful.
18	It's really also going to be
19	challenging for utilities in particular to put
20	forward plans for 2025 post 2025 while they're
21	still figuring out a lot of the other levers that
22	they have to do. But we do need to look at this in -
23	- in a larger whole.
24	There is language about it being
25	budget bound. I will say and remind folks, there

Page 36 7/20/2023 1 Monthly Meeting were several times, not just in the energy efficiency 3 space, EAPs comes to mind, but throughout where no 4 matter how budget bound we try to be, every -- if you piled on all of the different budget bound programs, 6 it's really a pretty big amount, right, that's on the 7 ratepayers. We have a fiscal responsibility to the 9 ratepayers but also, there were opportunities that 10 happened throughout where we lifted off the budget 11 bound by either retroactively, not me, but 12 retroactively approving EAPs activities because, you 13 know, we just kept saying, keep doing it, keep doing 14 it without understanding that it hadn't gotten 15 approved or sweeping from somewhere else. 16 And I think that we need to be 17 cognizant of, that's all kind of, you know, it's 18 limited dollars to go around and we need to see the 19 whole. So I -- I thank you. I thank you for your 20 I think you're going to really need a lot 21 of support and resources and I appreciate it. 2.2 What -- one -- one question I 23 What is the next part of our interim 24 review, we started with B.E.E. what's the next? 25 MS. NEVILLE: Sure. I can answer

1

3

4

6

7

9

10

11

12

13

14

15

16

17

18

19

20

21

2.2

23

24

25

Page 37

Monthly Meeting Katie had mentioned the order, last September I believe it was, where the Commission commenced the And that it's a pretty large portfolio that the reviews are overseeing both the utility energy efficiency and building electrification programs, as well as, the entirety of the clean energy fund, which has four distinct portfolios.

7/20/2023

The order in September sequenced those and so it recognized that we should start with E.E.B.E. as we are, and then what will come next will be New York Green Bank and NYSERDA's innovation and research portfolio.

New York Sun also has its own, kind of, procedural path that's been set up for New York Sun review. So the timelines for that is both of those portfolios are authorized through the end of 2025 as well.

So in order to avoid cliff years, as we have had from lessons learned in the past where we come right up to the end of those periods, the Commission laid out a process where we would have NYSERDA filing something to kick off the review a petition of some sort by June of 2024 to allow a full year if necessary to move that through the process.

	Page 38
1	7/20/2023 - Monthly Meeting
2	So we would expect something mid-year
3	next year to kick off at by the latest mid-year
4	next year for Green Bank and then innovation and
5	research.
6	COMMISSIONER BURMAN: Great. Thank
7	you so much. No further questions.
8	CHAIR CHRISTIAN: Thank you. All
9	right. Commissioner Alesi.
10	COMMISSIONER ALESI: Thank you,
11	Chairman. I'm sitting here and I'm having just a
12	little bit of fun with this as I'm trying to think of
13	of correlating stories and the one that keeps
14	coming to my mind is the the moon shot that many
15	of you were not alive when it all happened.
16	So as I was, by the way, and maybe
17	John Howard might be the only other guy there, but
18	I'll try to make this long story short. It was
19	unthinkable at the time. There was a lot of
20	political rivalry between the United States and our
21	adversaries at the time, a big race, who gets to the
22	moon.
23	Why go to the moon, why spend all the
24	money, what will we get out of it? So everybody here
25	looking back can say, well, we got all of this, we

Page 39 7/20/2023 1 Monthly Meeting got all of that, we'll continue to get stuff from 3 that moon shot as science and technology advance in 4 the aftermath of all the time, and effort, and gambling that went into the aerospace effort. 6 That basically is what we're doing 7 We're starting from scratch, trying to change but society has always embraced as this works, why 9 change it, who cares what it costs, it's going to 10 In terms of dollars, this will cost more, this 11 pursuit is going to cost more. 12 And on top of those increased costs, 13 there will be more increases. But you're spending 14 money to get something in return, can't argue the increased costs, but what you can do is say we better 15 16 have a very solid dedicated commitment pursuit of 17 funding. 18 Be careful where we restrict funding 19 while we're trying to gain money as well. So -- but 20 this -- this -- this launch is not going to be free, 21 but it will free us from what we've been doing to 2.2 destroy our environment and it'll free us to deliver 23 a better environment decades down the road. 24 Decades may be more than just a few 25 decades, but we'll get there. There will be

Page 40

7/20/2023 1 Monthly Meeting reversals, to say the least. And during the time 3 when we have reversals there'll be some changes. 4 things will be discovered. So those are the unmarked outgrowths of this effort that nobody's planning on 6 now, satellite phones, now phones that work 7 wirelessly, those kinds of things, Teflon pans. I'm not really shilling for the Air 9 Force right now, but I'm trying to draw a conclusion 10 as I see that this is really a magnanimous effort. And if it's anything like what we've seen in that 11 12 moon shot pursuit that there's going to be failures 13 and there'll be frustration. 14 On the other end of that, there are 15 going to be people like you, highly professional 16 people, other highly professional people, people 17 whose minds are so bright and brilliant that they can 18 actually make this thing happen over the years and 19 there'll be changes, I said financial changes, 20 scientific changes, legislative changes as always. 21 Somebody will have a way to have their 2.2 opinion said legislatively, but there would be no 23 There cannot be a retreat, this effort's retreat. 24 too big, it's too promising and it demands not only 25 our attention, but it demands our action.

	Page 41
1	7/20/2023 - Monthly Meeting
2	The earth is setting its gravitational
3	pull on our hearts and minds to do this and you can't
4	fight gravity, it's got to be done. So it becomes
5	increasingly clear to me that human effort
6	collectively will make this happen with the
7	frustrations and the setbacks.
8	But with the constant goal of
9	achieving, freeing ourselves from how we are
10	electrifying our lives and freeing the earth from the
11	painful cost of doing it that way. So we have to go
12	in this direction and we have to put our hands in
13	both pockets and other pockets because it won't be
14	cheap and who cares.
15	We know where we have to go so let's
16	go to the most expensive restaurant in town, get the
17	best meal and pay the biggest price. That's an
18	analogy, by the way. I see a few of you smiling out
19	there, you want to join me, just let me know.
20	Thank you for the report. I'm sure
21	that it wasn't just a 15-minute job, a lot of effort
22	went into it. And we have more to come in three
23	months or so, we'll get some more additional
24	information, funding, et cetera. We'll look forward
25	to hearing it. Thanks.

	Page 42
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Thank you.
3	Commissioner Edwards?
4	COMMISSIONER EDWARDS: I do not have
5	any comments or questions. Thank you for all of your
6	hard work and I look forward for the next update.
7	CHAIR CHRISTIAN: Thank you.
8	Commissioner Howard?
9	COMMISSIONER HOWARD: Thank you.
10	Thank you. First of all, I want to commend everybody
11	for this, their hard work and commend you
12	particularly for now, I believe, Commissioner Burman,
13	this is our first, maybe more reality based order
14	we've seen in some time and I I appreciate that
15	very much.
16	One of the things the program changes
17	is and and I go way back to observing these
18	programs a long time as well. And back after I was
19	on Apollo 17 and it was but in any event, one of
20	the things is many of these things, particularly
21	decades ago, when we began we were there to
22	incentivize technologies, quote, unquote, prime the
23	pump.
24	Apparently, we have now decided that
25	the pump on lighting is plenty primed and that market

Page 43 7/20/2023 1 Monthly Meeting forces will drive lighting efficiency going forward. In that list, are there any technologies that -- that 3 we believe yet that will follow lighting into the --4 maybe we don't need to subsidize anymore because the 6 market forces are just obvious in terms of their 7 outcomes? MS. NEVILLE: I mean, I think the --9 the lighting -- we've been talking about energy 10 efficiency space for -- for many years now, the eventual lighting cliff, you never know exactly when 11 you're at the edge of the cliff, I guess, but we're 12 13 saying here, you know, really, if you look back even in -- in, you know, early in my career to where we 14 are with lighting, it's just amazing what has 15 16 happened in that marketplace as you point out. 17 I think, you know, similarly, with 18 some of the residential gas equipment, the market has 19 moved as we've talked about with Commissioner 20 Burman's question. There's also been a real push 21 both, you know, there were some challenges at the 2.2 federal level, but also New York State is doing some 23 things with other appliance standards. 24 So that's something that I think staff 25 as well as the program administrators watch to see,

	Page 44
1	7/20/2023 - Monthly Meeting
2	okay, the whole concept of relying on codes and
3	standards is an important one, right, because that's
4	saying, okay, once we once we're at the point
5	where we can adopt a code or standard, we can kind of
6	step back from having to incent it.
7	But the incentives are very important
8	to get us to that point where we can adopt those
9	codes and standards. So while I don't have kind of a
10	a long list of those things, there's, you know,
11	not anything as cheap and as effective as lighting
12	has been, you know, I I would say that clearly.
13	But those are the types of things that
14	I think we'd be watching with the programs and we
15	have robust evaluation work that looks at those
16	things over time to see when we have a certain level
17	of market share, that's when we step back on our
18	incentives.
19	COMMISSIONER HOWARD: Thank you. And
20	I just need I think it's important that we put the
21	the magnitude of this this effort. I
22	understand that from your report that 200,000
23	buildings annually will need to be electrified in
24	order through this planning period to reach the
25	mandate. Is is

	Page 45
1	7/20/2023 - Monthly Meeting
2	MS. NEVILLE: Yeah.
3	COMMISSIONER HOWARD: that about
4	right?
5	MS. NEVILLE: That's about right, and
6	I will say we we did borrow that from I think
7	some other work that was done within the Climate
8	Action Council. But really to put it in terms of
9	scale that people could understand, right now we're
10	treating about 20,000 homes today, not just
11	electrification, but whole house weatherization type
12	things.
13	And in order to get to the trajectory
14	that C.L.C.P.A. would require, that really does need
15	to scale to about a 200,000 per home.
16	COMMISSIONER HOWARD: So in order of
17	magnitude?
18	MS. NEVILLE: Absolutely. And sustain
19	that year after year. So it is not insignificant and
20	very much like a moon shot, I would say.
21	COMMISSIONER HOWARD: You know, just
22	so to again, to the the issue of us, our desire
23	to cap ratepayer spending at about a billion dollars,
24	clearly we're not going to get a 10X result for a
25	billion dollars a year.

	Page 46
1	7/20/2023 - Monthly Meeting
2	So and that number is probably even
3	just not knowable, but it is even if we take the
4	current numbers and extrapolate them out, this is
5	just a an enormous amount of money. And you know,
6	and how we how we get there is is going to be a
7	real challenge.
8	And this I think this is also a
9	a challenge to others in government that they need to
10	step up and and and do this. I think it's also
11	very important that we keep educating policymakers
12	about the enormity of this task.
13	It is it is great to say we want to
14	go to the moon, but you got to pay the bill to get
15	there. So I think that will be an important part of
16	this and I think part of staff's advocacy on this is
17	a continued, you know, sharp pencil on on these
18	potential costs that there'll be necessary.
19	With, you know, the the replies are
20	due in 90 days, when do you think we might see
21	actually an order coming back to us, I mean, because
22	it's it's it's time is now, right?
23	MS. NEVILLE: Absolutely. So I have
24	given up trying to predict when things come to
25	session, so I won't give you exact answer, but I can

	Page 47
1	7/20/2023 - Monthly Meeting
2	say part of the
3	COMMISSIONER HOWARD: Intention, how's
4	that how's that?
5	MS. NEVILLE: The intention is 90-day
6	for proposals and then as Katie mentioned, there'll
7	be a series of technical conferences, which we feel
8	is really important part of the process, so beyond
9	just the SAPA process where there will be written
10	comments, the program administrators will be able to
11	present their proposals to interested parties.
12	They'll be able to ask questions that
13	will be staged so that parties can have that
14	interaction while they're formulating their comments.
15	All that said, we'll go through the process, staff
16	will have a, you know, very large task in taking all
17	the input that we'll receive through that process to
18	formulate our recommendations to come back to the
19	Commission.
20	My prediction on that is we're aiming
21	for end of I think, the comments would come in
22	probably January timeframe as we've plotted it out.
23	So we'd be looking at probably end of Q1, early Q2 to
24	come back to the Commission with our recommendations.
25	COMMISSIONER HOWARD: You know, one

	Page 48
1	7/20/2023 - Monthly Meeting
2	thing this duality that we have now permanently we
3	hope to permanently adopt, NYSERDA versus the
4	utilities. When utility falls short or runs through
5	management problems or any number of even worse
6	outcomes, we have mechanisms by which we can protect
7	ratepayers and and discipline the the
8	utilities.
9	What what sort of I don't see we
10	have those same mechanisms with NYSERDA should they
11	be wanting in any given program. So I how would
12	you respond to that?
13	MS. NEVILLE: Sure. Obviously,
14	they're they're not a shareholder company, so the
15	some of the the mechanisms that you may be
16	referring to obviously wouldn't be at play. The
17	the order does speak to outside of E.A.M.s, the need
18	to hold program administrators, all of them,
19	including NYSERDA accountable.
20	That will kind of in the first
21	part, play out through the proposal process where
22	we'll be kind of really honing in on what the
23	performance metrics are, what will be the, you know,
24	flexibility granted to folks, what will be the
25	accountability expected for that.

	Page 49
1	7/20/2023 - Monthly Meeting
2	The order also speaks to, you know, I
3	think one of the Commissioners used the term, people
4	have to get this right, right, like, we really need
5	to make progress here. And so the order does speak
6	to, if there are failings, we can revisit that and we
7	can, you know, take recommendations back to the
8	Commission about reducing budgets, taking away
9	responsibility, shifting roles.
10	So I I think from that perspective
11	that would apply across all program administrators,
12	not just, you know, utilities versus NYSERDA, but
13	generally speaking, if the program administrator is
14	not performing we shouldn't continue to let that
15	slide, right, we need to really kind of bring that
16	back and take a hard look at what we would need to do
17	there.
18	COMMISSIONER HOWARD: Well, great.
19	Thank you. And look, I I do appreciate that we
20	are now saying publicly that we've all said privately
21	for some time. And again, terrific work and we look
22	forward to the next order.
23	CHAIR CHRISTIAN: Thank you.
24	Commissioner Valesky?
25	COMMISSIONER VALESKY: Thank you, Mr.

	Page 50
1	7/20/2023 - Monthly Meeting
2	Chair. Thank you, Peggie, and Katie and to your team
3	for for the really good work here. I don't have
4	any questions, but just I want to state that I'm
5	pleased to see a number of the things in this order,
6	including the very clear roles you've delineated for
7	NYSERDA versus the utilities, I think that's
8	important.
9	Appreciate the language and commitment
10	in regard to ratepayers cannot be wholly responsible
11	for funding, and that we're requiring program
12	administrators to pursue all federal funding, I
13	think, that's important.
14	I think you're speaking to the cap and
15	invest program that may provide an opportunity down
16	the road whereby ratepayer support can, I think, wind
17	down were your were your words, I think that's
18	really important.
19	And it's also important as previous
20	speakers have indicated that these proposals will be
21	coming back to us, Peggie, as you just said, to kick
22	off the formal review process and that they will come
23	back to us for eventual consideration as well. So
24	well done, thank you.
25	CHAIR CHRISTIAN: Thank you. And

	Page 51
1	7/20/2023 - Monthly Meeting
2	Commissioner Maggiore?
3	COMMISSIONER MAGGIORE: Thank you. I
4	I don't have any questions. I don't really have
5	anything to add in terms of comments to this
6	discussion, but I do want to thank you for the
7	presentation and you know, as my colleagues have
8	said, there's the the order is substantial and
9	reflects a lot of good work over a lot of time, so
10	thank you very much, but I don't have anything
11	additional to add.
12	CHAIR CHRISTIAN: Thank you,
13	Commissioner. At this time, I'll do a call for a
14	vote. My vote is in favor of the recommendations to
15	address the energy efficiency and building
16	electrification proposals as discussed. Commissioner
17	Burman, how do you vote?
18	COMMISSIONER BURMAN: Yes.
19	CHAIR CHRISTIAN: Commissioner Alesi?
20	COMMISSIONER ALESI: Yes.
21	CHAIR CHRISTIAN: Commissioner
22	Edwards?
23	COMMISSIONER EDWARDS: Yes.
24	CHAIR CHRISTIAN: Commissioner Howard?
25	COMMISSIONER HOWARD: Yes.

	Page 52
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Commissioner
3	Valesky?
4	COMMISSIONER VALESKY: Yes.
5	CHAIR CHRISTIAN: And Commissioner
6	Maggiore?
7	COMMISSIONER MAGGIORE: Yes.
8	CHAIR CHRISTIAN: Okay. We have
9	sufficient votes, the item is approved and the
10	recommendation is adopted. Thank you everyone for
11	your time today. Okay. We will now begin one
12	moment, please.
13	We'll now move to the second item for
14	discussion today. Item 202, case 22-M-0149. As it
15	relates to the first annual information report on the
16	overall implementation of the Climate Leadership and
17	Community Protection Act, C.L.C.P.A.
18	It'll be presented today by Jessica
19	Waldorf. Along with her will be Marco Padula, Mary
20	Ann Sorrentino, Liz Grisaru, Joel Andruski, Caitlyn
21	Edmondson, Brandon Goodrich, Makayla Loeb, all of
22	which will be available for questioning questions
23	if needed. Jessica, please begin.
24	MS. WALDORF: Just give us one moment.
25	We're getting the slides up.

	Page 53
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Okay.
3	MS. WALDORF: There we go. So good
4	morning, Chair Christian, and Commissioners. My name
5	is Jessica Waldorf and I'm the Chief of Staff and
6	Director of Policy Implementation here at the
7	department.
8	I'm here today with other members of
9	staff to present the first annual informational
10	report on overall implementation of the Climate
11	Leadership and Community Protection Act, or as I will
12	refer to it throughout the presentation, the
13	C.L.C.P.A.
14	While I will be using a PowerPoint
15	presentation to provide a visual overview of the
16	report, a document that includes additional detail
17	will be filed in the C.L.C.P.A. case 22-M-0149. Next
18	slide, please.
19	The C.L.C C.P.A. that was enacted
20	in 2019 contains emissions reduction and clean energy
21	targets shown here, including some that have been
22	updated since. These include increasing the
23	distributed solar goal from 6000 megawatts by 2025 to
24	10000 megawatts by 2030, which was adopted by the
25	Commission in April of 2022.

	Page 54
1	7/20/2023 - Monthly Meeting
2	It also includes an increase to the
3	energy storage target from 3000 megawatts by 2030 to
4	6000 megawatts by 2030. Regarding this energy
5	storage target, D.P.S. staff and NYSERDA filed an
6	updated energy storage roadmap in December of 2022
7	that is currently under review. Next slide, please.
8	The Commission's May 22 May 2022,
9	C.L.C.P.A. initiating order instituted this
10	proceeding to both track and assess the progress made
11	towards meeting the C.L.C.P.A. mandates and to
12	provide policy guidance as necessary for the
13	additional actions needed to help achieve the
14	objectives of this law.
15	This first annual report provides a
16	summary of recent efforts and outcomes in relation to
17	several key areas of of the implementation of the
18	C.L.C.P.A., including renewable electricity, energy
19	storage, transmission, energy efficiency, and
20	building electrification, or as it was previously
21	referred to in the last presentation, E.E.B.E.
22	efforts, as well as the transportation sector.
23	It also provides an overview of the
24	progress on achieving targets mandated within the
25	Renewable Energy Program under the Commission's Clean

Page 55 7/20/2023 1 Monthly Meeting Energy Standard, overall energy savings, energy generation, and emissions reductions across all 3 4 C.L.C.P.A. related programs, a summary of electric and gas recoveries to date -- cost recoveries to date 6 between the periods of time 2020 through 2022. We show energy savings, energy generation, and emissions reduction, and we show the 9 cost recoveries for both electric and gas for the 10 calendar year 2022. Consistent with the Commission's 11 initiating order, this report focuses mainly on the 12 prior calendar year's metrics for this first report. 13 We provide the information between the 14 years 2020 through 2022 to represent the full -first full year after the C.L.C.P.A. was enacted in 15 16 2019, to provide some historical information, as well 17 as the '22 calendar year separated out. Next slide, 18 please. 19 In terms of progress made towards the 20 C.L.C.P.A. renewable energy targets, the Commission, 21 in conjunction with NYSERDA, has made significant 2.2 progress in advancing the development of renewable 23 energy and transmission projects, as well as 24 decreasing the greenhouse gas emissions in the 25 electricity sector.

	Page 56
1	7/20/2023 - Monthly Meeting
2	With a 120 renewable energy and
3	transmission projects in active development or
4	construction, including large-scale solar, land-based
5	wind, and offshore wind, 66 percent of the State's
6	electricity will come from renewable energy sources
7	on the way to the goal of 70 percent renewable energy
8	by 2030, and towards the zero-emission grid by 2040
9	targets.
10	This builds on the State's previously
11	existing renewable energy resources, including the
12	State's substantial amount of hydroelectric
13	generation. Throughout 2021, 2022, and 2023, a total
14	of 14 additional large-scale renewable energy
15	projects entered commercial operation, accounting for
16	an addition of over 680 megawatts of renew new
17	renewable energy.
18	In December 2022, the Department of
19	Environmental Conservation published a New York State
20	Statewide greenhouse gas emissions reduction
21	emissions report that provides a detailed account of
22	greenhouse gas emissions in the State from the period
23	of time 1990 through 2019.
24	This report shows that emissions in
25	the electricity sector has decreased by about 46

	Page 57
1	7/20/2023 - Monthly Meeting
2	percent in this time period, which shows some of the
3	significant progress the State has made in decreasing
4	the emissions associated with electric generation to
5	date. Next slide please.
6	The Commission has a longstanding
7	policy of promoting renewable energy resources to
8	meet our responsibility to preserve environmental
9	values and conserve natural resources. Prior to the
10	adoption of the C.L.C.P.A., the Commission
11	implemented programs and mechanisms designed to
12	support the decarbonization of the State's electric
13	system.
14	These initiatives have since been
15	expanded, where necessary, to support the
16	C.L.C.P.A.'s requirement of 70 percent renewable
17	energy by 2030 and a 100 percent emissions-free power
18	grid by 2040. Specifically, in October of 2020, the
19	Commission formally adopted the C.L.C.P.A.'s clean
20	energy deployment targets.
21	The actions shown here are a subset of
22	all of the actions the Commission has taken since
23	2020, to support the development of both large and
24	small-scale renewable energy resources, as well as
2.5	energy storage deployment.

	Page 58
1	7/20/2023 - Monthly Meeting
2	Next slide, please. Following
3	enactment of the C.L.C.P.A., as well as the
4	Accelerated Renewable Energy Growth and Community
5	Benefit Act, the Commission has undertaken several
6	steps to implement forward-looking transmission
7	planning efforts.
8	These recent measures to foster and
9	steer transmission development in support of climate
10	goals include those listed here, and we anticipate
11	more work to support the continued development of the
12	transmission and distribution systems to allow for
13	integration of more renewable energy resources and to
14	support the State's electrification efforts.
15	Next slide, please. Since 2020, New
16	York has seen numerous successes in the development
17	of clean transportation systems, including the
18	Commission's July 2020 order approving the Electric
19	Vehicle Make Ready Program.
20	This program included a \$701 million
21	budget, of which \$206 million dollars was directed
22	directly to disadvantaged communities. The
23	Commission's EV Make Ready order included the New
24	York Clean Transportation Program funded at 85
25	million.

	Page 59
1	7/20/2023 - Monthly Meeting
2	And administered by NYSERDA in
3	partnership with D.P.S., and directed the creation of
4	three programs aimed at advancing the medium and
5	heavy-duty vehicle industry to be implemented by the
6	State's utilities.
7	Most recently, on April 20th of this
8	year, the Commission expanded these efforts by
9	issuing an order to initiate a proceeding
10	implementing policies and developing programs related
11	to the medium and heavy-duty electric vehicle
12	charging infrastructure and to begin proactively
13	planning for E.V. charging load from all vehicle
14	classes.
15	The Department is currently
16	undertaking a midpoint review of the E.V. Make Ready
17	Program and recently issued a white paper with a
18	number of recommendations, including increasing the
19	budget up to about \$1.1 billion and to update the
20	overall plug targets.
21	The white paper is currently out for
22	public comment and will go to the Commission for
23	review. The Department and Commission have also
24	adopted beneficial rates for electric vehicle
25	charging, both on the residential side under

	Page 60
1	7/20/2023 - Monthly Meeting
2	voluntary time of use rates and managed charging
3	programs.
4	And on the commercial side for E.V.
5	phase-in rates that are designed to lower the cost of
6	utility service for charging stations in the early
7	years of E.V. deployment when utilization is lower by
8	phasing in the demand charge as it increases. Next
9	slide, please.
10	Energy efficiency programs have
11	changed substantially since the establishment of the
12	systems benefit charge in 1996, and still further
13	since the Commission initiated the New Efficient
14	the New York Energy Efficiency Portfolio Standard
15	proceeding in 2008.
16	Programs have become more ambitious
17	and detailed, and their scope and structure have
18	evolved. In its September 15, 2002 order 2022
19	order, the Commission initiated the required interim
20	review of the Clean Energy Fund and New Efficiency
21	New York portfolios, with a focus on instituting a
22	renewed framework under which energy efficiency and
23	building electrification programs are offered.
24	And to establish new budgets and
25	targets for a period beyond 2025. This was the item

	Page 61
1	7/20/2023 - Monthly Meeting
2	that we we just heard from staff on. Following
3	that order, staff issued a report in December 2022,
4	to issue a comprehensive energy efficiency and
5	building electrification report, which summarized the
6	portfolio performance through the second quarter of
7	2022 and solicited feedback from stakeholders.
8	That New Efficiency New York interim
9	review and C.E.F. review process continues to be
10	underway with the order that was just presented by
11	staff prior to this. Next slide, please. In May of
12	2022, the Commission directed the utilities to work
13	with department staff to develop a proposal regarding
14	the content of greenhouse gas annual emissions of
15	a greenhouse gas annual emissions inventory report.
16	That includes an inventory of total
17	gas system-wide emissions, including specific
18	directives on what emissions should be included. The
19	utilities worked with staff to develop this proposal
20	and filed an initial proposal on December 1st of
21	2022, and a subsequent proposal supplement on May
22	31st, 2023.
23	That proposal is currently out for
24	comment, and staff will soon bring a proposal to the
25	Commission for review. Next slide, please. The

	Page 62
1	7/20/2023 - Monthly Meeting
2	C.L.C.P.A. requires both that Commission decisions do
3	not disproportionately burden disadvantaged
4	communities and that disadvantaged communities
5	receive substantial benefits from programs that
6	implement the C.L.C.P.A.'s mandates.
7	Specifically, the C.L.C.P.A. requires
8	the Commission, to the extent practical
9	practicable, to direct available programmatic
10	resources in a manner that disadvantaged communities
11	receive a minimum of 35 percent, with a goal of 40
12	percent, of the overall benefits of spending on clean
13	energy and energy efficiency programs, projects, or
14	investments.
15	It also included specific requirements
16	for a minimum of 20 percent of investments in
17	residential energy efficiency, including multifamily
18	housing, are invested in a manner that will benefit
19	disadvantaged communities, including low-to-moderate
20	income consumers and includes reporting requirements
21	for energy savings and clean energy market
22	penetration in the low-to-moderate income market and
23	in disadvantaged communities.
24	The Department is working with D.E.C.,
25	NYSERDA, and other agencies to develop a consistent

	Page 63
1	7/20/2023 - Monthly Meeting
2	approach to tracking and reporting investments in,
3	and benefits to, disadvantaged communities. And the
4	State expects to produce its first report on these
5	benefits pursuant to the C.L.C.P.A. in 2024.
6	Lastly, while work is ongoing both
7	within and beyond D.P.S. to develop guidance for
8	implementing the C.L.C.P.A.'s requirements related to
9	disadvantaged communities, the Commission has already
10	acted in multiple proceedings to direct clean energy
11	and energy efficiency investments to those
12	communities, a subset of which are shown here. Next
13	slide, please.
14	To estimate the benefits for the
15	C.L.C.P.A. annual review, staff issued information
16	requests to NYSERDA and each utility seeking data on
17	the annual amounts for 2022 and cumulative total
18	amounts for the years 2020 through 2022 of reductions
19	in energy usage and emissions associated with
20	C.L.C.P.A. programs, including the Clean Energy
21	Standard, Clean Energy Fund, value of distributed
22	energy resources, electric vehicle make ready,
23	utility energy efficiency, and beneficial
24	electrification, including heat pumps.
25	The slide here outlines the total

	Page 64
1	7/20/2023 - Monthly Meeting
2	energy savings, or energy generation, across these
3	various programs that have been achieved in this time
4	period, with both 2022 separated out and a cumulative
5	summary of the years 2020 through 2022.
6	For a few of these initiatives, data
7	is not yet available as projects in these programs
8	have not yet reached commercial operation. As a
9	result of the clean energy investments that have been
10	made between 2020 and 2022, more than 95.9 million
11	megawatt hours of energy has either been saved or is
12	now being generated by clean, renewable energy
13	sources, not including the State's existing renewable
14	resources.
15	Next slide, please. The development
16	of clean energy resources coupled with reducing the
17	actual demand for electricity is helping to reduce
18	greenhouse gas emissions in addition to producing
19	energy savings.
20	Between 2020 and 2022, overall
21	greenhouse gas emissions were reduced by nearly 50
22	million metric tons, with the majority of the
23	decrease coming from changes in the electricity
24	sector electricity generation sector.
25	It should be noted that emissions

Page 65 7/20/2023 1 Monthly Meeting reductions from electric vehicles are indirect benefits of the E.V. Make Ready Program, but are 3 included here because the public charging stations 4 funded through the program are helping to enable 6 technology for the Statewide electric vehicle 7 deployment. Next slide, please. For the purposes 9 of estimating the cost recoveries of the C.L.C.P.A., 10 the money recovered by utilities in support of these 11 programs, relative to initiatives in 2022, staff issued information requests to each of the utilities 12 13 for both gas and electric programs. 14 The slide -- this slide shows the 15 total cost recoveries associated with gas energy 16 efficiency measures targeted at reducing overall 17 fossil fuel use broken out by utility. As you heard 18 in the last presentation, the types of investments in 19 energy efficiency here and for electric will change 20 as programs continue to evolve. 21 Next slide, please. This slide is 2.2 focused on the electric programs related to 23 C.L.C.P.A. and shows cost recoveries that are broken 24 out both by utility and by program. As you can see, 25 the majority of cost recoveries are on the elect --

Page 66 7/20/2023 1 Monthly Meeting electric side as the C.L.C.P.A. is focused on transitioning away from the use of fossil fuel use, 3 4 as well as overall energy use reduction and in developing new renewable energy generation. The slide here includes detailed footnotes, which are also reflected in the report, to provide some additional information for what is 9 behind these values. Specifically, you will see that 10 there are no values for energy storage or transmission cost recoveries yet. 11 12 For energy storage, the overall value 13 in 2022 was de minimis, but we do plan to report on 14 dispatchable storage costs and benefits in future 15 For transmission, Phase I, Phase II, and reports. 16 other related transmission project efforts pursuant 17 to the Accelerated Renewable Energy Growth and 18 Community Benefit Act were authorized in 2022. 19 Expenditures related to transmission 20 will be reported in subsequent annual reports as they 21 are incurred. Next slide, please. The annual total 2.2 Statewide cost billed to load serving entities, or 23 L.S.E.s, by NYSERDA in 2022 is shown here, as well as the cumulative Statewide cost billed to those L.S.E.s 24 25 by NYSERDA from 2020 through 2022.

	Page 67
1	7/20/2023 - Monthly Meeting
2	These costs are associated with the
3	Clean Energy Standard programs and are detailed in
4	the chart shown here. The majority of billing, as
5	well as savings and emissions reductions shown in
6	prior slides are assoc are associated with Clean
7	Energy Standard Tier Three ZECs, or Zero Emission
8	Zero Emission Credits.
9	The Tier Three program, which
10	commenced in 2016, aligns broadly with the objectives
11	of the C.L.C.P.A. in providing zero emission
12	electricity to the electric grid, but the Commission
13	did not adopt that program pursuant to the C.L.C.P.A.
14	It was in place prior to.
15	While the amount of savings and
16	billing are much higher for these credits versus some
17	of the other programs shown here under the Clean
18	Energy Standard, these numbers will change over time
19	as more renewable energy projects achieve commercial
20	operation in support of the C.L.C.P.A. renewable
21	energy requirements.
22	The information shown here is for
23	only for billing for NYSERDA's Clean Energy Standard
24	programs for the calendar years 2020 through 2022,
25	and does not reflect billing for these programs under

	Page 68
1	7/20/2023 - Monthly Meeting
2	the Clean Energy Standard that may have occurred
3	prior to 2020.
4	Next slide, please. The slide here
5	provides an overview of the information requests to
6	each of the utilities to help estimate the bill
7	impacts associated with the C.L.C.P.A. related cost
8	recoveries shown in prior slides.
9	For both gas and electric, we are
10	providing bill impacts for average size customers in
11	the residential, small commercial, commercial, and
12	industrial customer classes to help put these numbers
13	into context for each of these classes.
14	It is important to note that for non-
15	residential customers, the rate impacts can vary
16	greatly depending on the utility and depending on the
17	amount of electricity consumed. It also is important
18	to note that these values are looking at the rate
19	impacts over the prior calendar year and do not look
20	at years prior to 2022 or years out into the future.
21	Next slide, please. For residential
22	electric customers, the rate impacts for the gas
23	energy efficiency investments shown in the prior
24	slide, not accounting for overall societal benefits,
25	range from about .02 percent to 1.36 percent

	Page 69
1	7/20/2023 - Monthly Meeting
2	depending on the utility.
3	As I noted on the prior slide, the
4	ranges for the remaining customer classes vary
5	greatly across utilities and across usage patterns
6	for those customers. Next slide, please. For
7	residential electric customers, the rate impacts for
8	these critically important investments, not not
9	accounting for overall societal benefits, range from
10	about 3.7 percent to 9.8 percent depending on the
11	utility.
12	Again, same note as before, those
13	numbers and ranges vary vary greatly across the
14	other customer classes and depending on the
15	customer's use. Next slide please.
16	This annual report is a review of
17	actual costs incurred by ratepayers to date in
18	support of various programs and projects to implement
19	the C.L.C.P.A. and does not fully capture potential
20	future expenditures, including estimated costs
21	already authorized by the Commission but not yet
22	recovered in rates.
23	To complement the overview of cost
24	recoveries incurred to date as shown in prior slides,
25	we also present this table of the various programs

	Page 70
1	7/20/2023 - Monthly Meeting
2	and the total amount of estimated costs associated
3	with each authorized program by the Commission to
4	date.
5	The table gives a sense of
6	expenditures that rate payers could ultimately see
7	recovered in rates. These values are conservative
8	and reflect both past and prospective estimated
9	costs, meaning that the budget shown here could span
10	years prior to calendar year 2020, and for years much
11	out into the future beyond 2023.
12	There are detailed footnotes in the
13	report that explain the sources of these values and
14	the time periods that they cover. These estimated
15	costs represent either total program budget,
16	estimated total costs for the program over its
17	duration, or costs incurred to date in support of the
18	program.
19	For example, the total future Clean
20	Energy Standard funding is difficult to predict as we
21	as we have not yet completed procurements under
22	some of the tiers.
23	So to develop this number, we used
24	estimated costs for the total Tier One and offshore
25	wind programs pursuant to a staff Clean Energy

	Page 71
1	7/20/2023 - Monthly Meeting
2	Standard white paper filed in 2020, the total budget
3	for Tier Two authorized by the Commission, and
4	estimated costs for the two transmission projects
5	authorized under Tier Four.
6	Within this program, as well as in
7	other program areas, there is a high variation in how
8	program budgets are set, program costs are estimated,
9	and the overall duration of programs and project
10	implementation schedules, which made pulling together
11	this type of chart a very difficult effort.
12	It is important to note that the
13	Commission authorized some of the estimated costs in
14	this table prior to C.L.C.P.A. enactment and that the
15	costs associated with these programs will be
16	recovered over several years to come, some over 20 to
17	25 years, based on implementation schedules for these
18	projects or programs and will mitigate the cost
19	impacts to ratepayers year over year.
20	Additionally, these initiatives will
21	result in a variety of other changes that will impact
22	how much consumers pay for energy. A number of these
23	would put downward pressure on costs, including
24	benefits in the form of reduced energy usage and
25	therefore reduced energy bills to consumers.

	Page 72
1	7/20/2023 - Monthly Meeting
2	The Department has also also
3	previously described market price effects that are a
4	result of these investments. For example, when load
5	is reduced or more low-cost generation is added, it
6	could be anticipated that energy prices would fall
7	because the market would rely less on higher cost
8	generators.
9	In addition, investments in
10	transmission infrastructure not only unbottle
11	renewable energy, but also yield production cost
12	savings and reliability benefits. In sum, the total
13	estimated costs associated with these programs or
14	projects should not be considered as entirely
15	incremental to what rate ratepayers would
16	otherwise pay.
17	Subsequent annual reports may include
18	additional information about costs recovered relative
19	to the funding previously authorized by the
20	Commission in these programs, including funds already
21	expended in support of these programs, to put these
22	numbers into a more refined context.
23	Next slide, please. I'd like to
24	conclude by saying that this is the first annual
25	report to the Commission on the Department's overall

	Page 73
1	7/20/2023 - Monthly Meeting
2	compliance with the C.L.C.P.A. It presents data from
3	various programs that draw on distinct inputs,
4	reports on distinct outcomes, and employs a diverse
5	set of performance metrics.
6	This report focuses solely on the
7	portion of programs over which the Commission has
8	regulatory oversight authority. It does not include
9	other non-ratepayer-funded programs that are being
10	executed by other State agencies to achieve the goals
11	of the C.L.C.P.A., nor does it include the customer-
12	side cost of adoption of technologies.
13	Being able to compare data across
14	programs is an important means of assessing both
15	relative and overall effectiveness, and is
16	indispensable to making C.L.C.P.A. implementation
17	transparent to to the public.
18	For this reason, in addition to
19	publishing this first annual report, D.P.S. will also
20	continue to explore options for making the data
21	reported in subsequent versions easier to review,
22	easier to compare, and easier to analyze. Thank you.
23	That completes my presentation, and I,
24	as well as staff, are available to answer any
25	questions you may have.

	Page 74
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: So I I don't
3	think I could put to words just how challenging
4	putting this report has been, so I just want to take
5	a moment to thank you and staff for your hard work in
6	putting this together. I know this was challenging.
7	And you know, just seeing the results
8	in front of me, I I think it's important and very
9	informative to highlight just where we're going and
10	where we are in the process. I have a couple
11	questions for you, not so much comments, but
12	questions specific to some of the things you pointed
13	out, and you know, more amplification than new
14	information.
15	So you'd mentioned throughout just
16	kind of the the broader transition and the focus
17	particularly on funding towards electric efficiency
18	and electricity efforts rather than gas-sided
19	efforts. And as you were speaking, I'm reminded of
20	past statements by previous chairs regarding the
21	general overall efficiency of the path that we're
22	moving along.
23	So rather than doing a business-as-
24	usual approach and continuing business-as-usual
25	investments in electricity and the gas system, a more

	Page 75
1	7/20/2023 - Monthly Meeting
2	concerted focus on making a more robust electric
3	system could actually lead to significant savings.
4	Is that something you could speak to a bit and expand
5	upon?
6	MS. WALDORF: Sure. I think it's very
7	difficult to come up with, for example, the exact
8	number of what the difference in cost would be
9	between business-as-usual and specific efforts to
10	implement the C.L.C.P.A.
11	What is clear is that the transition
12	that we're in the midst of to a clean energy economy
13	represents an overall shift in investments. Instead
14	of building out the natural gas system or expanding
15	the use of fossil fuels, for example, we're now
16	targeting and supporting electrification of those
17	same homes and energy efficiency measures to reduce
18	overall demand. We're taking what is status quo
19	plans for investment and shifting them more to clean
20	energy and to the electric grid for investment.
21	It's a commitment to invest in
22	necessary infrastructure that will help the State
23	avoid significant costs that we can incur due to the
24	rising cost of climate change, including severe
25	storms, but also provide a lot of benefits to

	Page 76
1	7/20/2023 - Monthly Meeting
2	consumers in the form of energy savings as well as
3	air quality improvements and other benefits that come
4	with the change that we're in the midst of.
5	CHAIR CHRISTIAN: Thank you. And
6	thank you for that. And and just digging a little
7	bit deeper, I'm I'm looking over some of the
8	slides and I'm I'm noting in particular slide
9	fifteen, the the summary of cost recoveries.
10	And just just for information
11	purposes, are all the numbers on this slide being
12	allocated through load ratio share approach? If
13	if I'm remembering correctly, that is that the
14	case?
15	MS. WALDORF: So the way that we
16	recover costs varies across the various programs. So
17	for many of the programs under the Clean Energy
18	Standard, for example, we look at those programs as
19	providing a Statewide benefit and thus we allocate
20	costs on a load ratio share basis.
21	Across other programs, for example,
22	the Clean Energy Fund or some of the more energy
23	efficiency focused programs, those costs are
24	recovered, you know, in varying ways volumetrically
25	through delivery or supply charges. So it really

	Page 77
1	7/20/2023 - Monthly Meeting
2	varies.
3	CHAIR CHRISTIAN: Got it.
4	MS. WALDORF: It could be utility
5	specific or it could be allocated Statewide.
6	CHAIR CHRISTIAN: Got it. Okay.
7	Yeah, I think that's one thing we may want to put a
8	laser focus on going forward in future reports. Just
9	thinking of my recent assembly hearing, I know that
10	came up and I know that's of interest.
11	So I I want to take us back a bit
12	and just think about this from a broader perspective.
13	So you know, our focus here is largely on the
14	electric and natural gas side. But throughout the
15	State, we use far more energy outside those sectors,
16	kerosene, oil, gasoline, et cetera.
17	Can can you talk to the scale of
18	investments here with respect to expenditures
19	Statewide for all of our energy use, just to kind get
20	an understanding of the scope and scale of this work?
21	MS. WALDORF: Sure. We actually do
22	have some estimates that come from a couple of
23	different sources, including NYSERDA's Patterns and
24	Trends Report, as well as some economic forecasting
25	that was done as part of the integration analysis

	Page 78
1	7/20/2023 - Monthly Meeting
2	behind the Climate Action Council Scoping Plan.
3	Those different studies show that New
4	York spends just under about a \$140 billion annually
5	on energy. From 2021 through 2030, the time period
6	which those studies cover, we anticipate that New
7	York's gross undiscounted spending on energy will be
8	about \$1.47 trillion.
9	So over ten years, that's a bit more
10	than the annual number times 10. Of the 140 billion
11	that's spent Statewide on energy, about 26 billion
12	goes to fuels, so gasoline, diesel, and natural gas.
13	21 billion goes to electricity. And another 27
14	billion goes to energy-related investments in
15	buildings.
16	So that's both capital and
17	operational spending. And we've also spent about \$63
18	billion on capital projects and on the operation of
19	the transportation sector. The values that I
20	referenced are in 2020 dollars, but it also helps to
21	put the \$44 billion on previously authorized programs
22	into some context.
23	CHAIR CHRISTIAN: Got it. Got it.
24	And I just want to close with one last question. So
25	so thinking through the various efforts, you know,

	Page 79
1	7/20/2023 - Monthly Meeting
2	we talked about the the rate impact for electric
3	customers and natural gas customers.
4	But but in most cases, it's fair to
5	say that the individual customers who have taken
6	advantage of these programs have reduced their costs
7	well in excess of any additional premiums that have
8	resulted from the cost of paying for the program
9	themselves. Is that a fair assessment to make?
10	MS. WALDORF: I think that's fair. I
11	think to hone on a very specific number would be
12	difficult, but I, you know, that's part and parcel
13	why the Commission for years has invested so heavily
14	in energy efficiency programs, the item that was just
15	presented to the Commission.
16	And really, those programs provide
17	benefits beyond just reducing bills to consumers, but
18	they also help to reduce the overall demand for
19	what's going to be required for the energy systems
20	that serve them.
21	And as we lower demand or increase
22	efforts on demand response, we also could see
23	benefits in the amount of new generation or new
24	resources that have to be built to support the
25	various sectors across the State.

	Page 80
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Got you. All right,
3	thank you very much. We'll now move to Commissioner
4	Burman.
5	COMMISSIONER BURMAN: Thank you. I'm
6	struggling with where to give constructive criticism
7	and where to give positive reinforcement. So I think
8	I will say I recognize the enormous amount of work
9	that went into this.
10	I recognize the enormous amount of
11	work that continues to go into all of the different
12	things that we do at the Commission. And you know,
13	that's kind of the nature of the job. It's hard.
14	It's hard when we have to really do core economic
15	regulatory analysis, where we have to look at system
16	planning, where we have to look at are we moving
17	forward in a way that is helpful.
18	Yes, we've invested a lot over the
19	years in energy efficiency. We just dealt with that
20	right before this. We didn't always do it well. In
21	fact, we've spent a lot of dollars that were not
22	helpful. That's why we've had so many different
23	refinements.
24	And that's why also it's important for
25	us to shake off the desire to continue to pat

Page 81 7/20/2023 1 Monthly Meeting ourselves on the back. I get it. We're doing great 3 work. But we've got to also address the challenges. 4 There's no slide that says challenges ahead. There's no slide that says reliability issues ahead. 6 There is no slide that says upward 7 pressure on rates, energy, prices, costs outside of that, major red flags. We talked in the first order 9 about the fact that ratepayers can no longer bear the 10 brunt of this. 11 Okay, this is supposed to be about us getting a handle on that. Now, I recognize it is the 12 13 first annual report. I appreciate all the hard work. 14 But I don't want to be waving, you know, and -- and saying, great job. When I think that what we need to 15 16 do is say, all right, what are we missing? 17 It does not bode well for us as we 18 move forward if we are saying we can't identify business as usual costs with C.L.C.P.A. and other 19 20 costs. It does not bode well when we started a 21 proceeding that's supposed to identify. 22 Now, we've had actual T&D investments 23 needed to accommodate renewables. It does not bode 24 well when we know that there are ways to do it, 25 discreet amount for E.V. charging. There are known

	Page 82
1	7/20/2023 - Monthly Meeting
2	subsidies for E.V. rates, New York Sun, the list goes
3	on.
4	We can go back and rely on utility
5	planning documents. We should. We're asking the
6	utilities to do that. We should be delving into
7	more, asking other State agencies who have costs that
8	are impacting over here that we need to then do to
9	delve into theirs.
10	Give it to us. We need to be looking
11	at all of this in a way that doesn't try to sugarcoat
12	it and put it up nicely in a fashion for that I see
13	is that, well, this is C.L.C.P.A. costs, yes. When
14	people talk C.L.C.P.A., you can look at it in this
15	isolation.
16	It's larger than that. We can
17	evaluate past REV costs, some of the legacy issues
18	that's still there that, frankly, might need to be
19	revised. We're picking a snapshot, 2022 primarily.
20	Okay, makes sense, right? Because this is that.
21	That was COVID. It's a lot of that.
22	We can't necessarily we have a snapshot, but it's
23	a snapshot that doesn't give us now, well, what does
24	it mean? Yes, we may not know exactly what the
25	forward-looking costs are, but we have an idea,

	Page 83
1	7/20/2023 - Monthly Meeting
2	billions upon billions of dollars.
3	What does that look like? Right? I -
4	- I don't know. Costs to achieve the C.P.L. plus
5	mandates are still largely unknown. However, there's
6	an ability for us to start figuring out how to delve
7	deeper and do that.
8	There are consultants that are being
9	hired to do some of this that perhaps have
10	information that could be helpful, perhaps have
11	shaping plans. Would we accept that from the
12	utilities? That it's hard? That we don't know that
13	it's hard?
14	I I don't think we are accepting
15	that. I think that we need to be laser focused on
16	what I see is important to look at it from the
17	perspective of, we have to make sure that we are
18	doing the true analysis of the total costs of the
19	total positive and negative things that can happen as
20	we move forward.
21	We're not talking about power trends,
22	the STAR Report. Just yesterday, Reliability Council
23	put in offshore wind data that I think is helpful in
24	the long-term gas planning. P.A. Consulting just put
25	it in an initial report looking at some of the
I	

	Page 84
1	7/20/2023 - Monthly Meeting
2	challenges with reliability, some of the challenges
3	with with that.
4	Now, all of these things have to
5	somehow gel together. We cannot continue to be
6	siloed. The costs impact are going to grow rapidly,
7	rapidly in the coming years. The majority of our
8	fiscal obligations that are being mandated have yet
9	to occur.
10	So it's easy to point backwards.
11	Folks need to understand what it means and the
12	challenges going forward. We have an obligation to
13	look at the total, not just in isolation of what we -
14	- is under our jurisdiction because it dramatically
15	impacts.
16	So we also need to recognize that it
17	is not a static situation. Legislation may get
18	signed by the governor that will actually increase
19	costs, increase challenges with reliability.
20	Legislation may get proposed.
21	We have an obligation to step up and
22	say, No Mas. We have issues. We need to figure it
23	out. We need not to have prescriptive legislation
24	that is actually, while well-intentioned, is taking
25	us backwards and causing us to have a problem.

	Page 85
1	7/20/2023 - Monthly Meeting
2	Last week, it was the 46th anniversary
3	of the blackout of 1977. We're approaching the 20
4	year anniversary of the August of 2003. Rolling
5	blackouts should not be seen as a viable option. We
6	have an obligation to look forward in what we see as
7	the potential problems.
8	We could talk about things we're doing
9	to have downward pressure on costs, but the reality
10	is we're going to see upward pressure even if we try
11	to minimize it. We're focused on the fact that we
12	have to do this in the timeframe that has been set up
13	under the legislation. I recognize that.
14	But what is not lost to me is that
15	we're not focused on the fact that under legislation,
16	we are way behind in our State energy plan. Under
17	the very legislation that we say we need to do
18	because of the timeline, the scoping plan is not a
19	final document, nor has legal weight until it goes
20	over to the State energy plan, goes through the
21	process there, the State Energy Planning Board.
22	And we come and have more
23	understanding on what our actual State energy plan
24	forward looking is. That State energy planning
25	legislation actually has a lot of detailed things

	Page 86
1	7/20/2023 - Monthly Meeting
2	that need to be done, not just in the scoping plan,
3	not just adopting the scoping plan as is.
4	Detailed, critical analysis that
5	requires expertise and requires a lot of work before
6	we even get to it getting adopted and getting
7	implemented. My challenge is that I don't know how
8	to be helpful in raising concerns that actually get
9	heard to help us and help the State and help other
10	stakeholders take it seriously.
11	I don't want to be in the position of
12	saying, told you so, told you so. That's not helpful
13	to anybody. So great effort, great work. It is not
14	a criticism of staff. In fact, you need more help
15	and resources because you get it.
16	You understand, but the constrainment
17	in having to be diplomatic and only looking at it in
18	this box doesn't allow true talking about the
19	elephants in the room. The Commission, like staff,
20	takes seriously that we have to implement the laws
21	and the regulations and do so prudently and
22	responsibly.
23	We recognize that a lot of these
24	actions are going to cost a lot. But I don't think
25	that we are as open as we can be on just what that

Page 87 7/20/2023 1 Monthly Meeting looks like. I don't think that is as open as -- as 3 we can be in embracing looking at the reliability 4 challenges, in embracing talking about it in a way that ties it together. 6 Lip service saying we care about 7 reliability does no one any good. We will continue 8 to weigh all of these things through the lens of 9 maintaining safety and reliability of the energy systems and balancing cost impacts to address energy 10 11 affordability. 12 But make no mistake. We're not right 13 now truly sharing and truly looking at how to plan 14 for the challenges ahead. We should be talking about 15 power trends. We should be talking about the STAR 16 report. 17 We should be talking about all the 18 different planning reports out there, whether they're 19 in their initial stage or not. We should be talking 20 about the offshore wind data that just got put in by 21 the reliability council. 2.2 We should be talking about the cap and 23 invest is going to directly impact customers. 24 should be talking about it C.L.C.P.A. plus, plus pre-25 C.L.C.P.A. under REV, C.E.S., C.E.F., S.B.C.,

	Page 88
1	7/20/2023 - Monthly Meeting
2	whatever we want to add, plus C.L.C.P.A. and other
3	legislation, plus things that come as executive
4	orders for targets and other things.
5	All of these things matter. And
6	and it matters because it helps give us the
7	information to then understand where we can make a
8	difference so that we are not doing like we did on
9	E.E.P.S. and E-TIPS, spinning our wheels.
10	We must be clear about that. The cost
11	to achieve the clean energy mandates are being
12	recovered disproportionately through energy rates and
13	prices. That's why we're saying in the energy
14	efficiency order, No Mas, we got to figure it out.
15	That's why we're looking for other
16	opportunities. However, a lot of what we are doing
17	is going to drive away competitive markets. It's
18	going to drive away people from having comfort that
19	we got it, because we are not being open with them.
20	This report should be SAPA'd and put
21	out for comments. Why? I want to know what people
22	think. I want to know what they think that we are
23	missing. Let's not be afraid to have people weigh
24	in. And if we don't SAPA it, there's a docket that
25	people can put their comments in and share their

	Page 89
1	7/20/2023 - Monthly Meeting
2	best.
3	People are already putting it in. We
4	have other things that are in there that we've put
5	out for comments. No harm, no foul putting it out
6	for comments. Every single person has an who is
7	involved in energy issues in New York has an
8	obligation to step up and share your best thinking
9	and help us in this overall issue.
10	This was an information only item.
11	However, technically, the order directed staff to do
12	this annually. If there was an order that directed
13	utilities to do something, there would be a decision
14	on whether or not it meets the compliance.
15	I look at this as it's our obligation
16	of the Commission as a body to determine if this is
17	in compliance with the order. Similar to when
18	utilities submit something to us, we offer them
19	critique and an opportunity to submit a revised
20	document, like an emergency response plans.
21	I think this is really good as a first
22	start. But I think now we need to shape this
23	utilizing other things that we're doing, the gas
24	planning, T and D investment issues, all the other
25	things that we're doing, and use this as something

	Page 90
1	7/20/2023 - Monthly Meeting
2	that can be modified and improved upon.
3	I think the support that you need is
4	significant. I trust that you and staff truly get it
5	and understand. Reliability is paramount. We should
6	be leading as an agency and as a Commission. And I
7	think that it should be made clear.
8	We have many different dockets. We've
9	done a good job, especially in in the appendix
10	that people haven't seen, kind of listing out those.
11	We need to make sure that they're all moving in the
12	same direction, where there's misalignment, where
13	there's alignment, what do we need to do.
14	The defer item is a significant one,
15	not only in terms of looking at new technologies and
16	defining some of that, but also in how does this
17	relate to the Reliability Council's work, the
18	I.S.O.'s work, our own work in system reliability,
19	utilities' work in trying to be responsive to
20	policies.
21	And ultimately, making sure that what
22	we say we care about, maintaining safety and
23	reliability of the energy system and balancing costs,
24	impacts to address energy affordability, actually has
25	real meaning and is not just lip service.

	Page 91
1	7/20/2023 - Monthly Meeting
2	So to the extent that I'm frustrated,
3	I'm frustrated that I am worried that we are seeing
4	unprecedented amount of concern as we move forward in
5	maintaining reliability and what that looks like.
6	I've been on the Commission 10 years.
7	I think I'm more nervous now than I
8	was before, and that concerns me because I want us to
9	start working together for solutions that will
10	actually help. We need to get over our reluctance to
11	truly examine our issues and challenges, and I look
12	forward to doing that with all of you. Thank you.
13	MS. WALDORF: Thank you for your
14	comments, Commissioner Burman. Much appreciated. I
15	wanted to just hit a few points in response to some
16	of the comments that you made.
17	On the very last slide of the
18	presentation, we hit on some of the issues in terms
19	of challenges. However, we also added
20	COMMISSIONER BURMAN: I'm going to
21	pull up the slide.
22	MS. WALDORF: Sure, so it's the second
23	to last bullet that we, you know, identify that.
24	Could we have broken it out into a separate slide?
25	Absolutely, and that's something we can consider in

	Page 92
1	7/20/2023 - Monthly Meeting
2	future reports.
3	COMMISSIONER BURMAN: It's slide 20.
4	MS. WALDORF: Yeah, slide 20.
5	COMMISSIONER BURMAN: Now, we're on 19
6	right now.
7	MS. WALDORF: Yeah. So we do expand
8	some context in the actual report itself, again,
9	which will be posted in the docket. But you know,
10	certainly staff is very concerned and you know,
11	prioritizing issues around maintaining the safety and
12	reliability of the systems.
13	It's why we have other annual
14	informational reports on those topics as well. And
15	it's definitely something that will remain a priority
16	both for the department and the Commission as we
17	continue to implement these various programs, and so
18	I just wanted to make that comment.
19	The other one, you know, that you hit
20	on was some of the programs of the past and
21	challenges that we may have found in those programs.
22	I think, you know, certainly the item before
23	addresses that and makes tweaks to how we could
24	implement them in the future.
25	But I think it's important to note

Page 93 7/20/2023 1 Monthly Meeting that every program that we implement, we're going to 3 learn new things. Maybe we think an idea is a really 4 good idea from the outset, but once we're out in the field and implementing it, we may find challenges or a need to course correct. And I think that's part of what this department for years in implementing various programs 9 has done very well, is continue to review and refine, 10 and so I imagine that will continue to be part of our efforts moving forward. 11 12 We could have spent -- we could have 13 talked about a lot of things in this report. 14 could have made it hundreds of pages long, and -- and that's because the C.L.C.P.A. really does kind of 15 16 touch everything that we do. 17 You mentioned the very recent report 18 that was released by the New York I.S.O. deter -- def 19 -- showing a reliability need. That is certainly 20 something that department staff across the board 21 remain, you know, aware of, concerned about, and 2.2 continue to prioritize on a daily basis. 23 So I want to make sure that just 24 because we didn't emphasize that specific thing in 25 this report as it's focused on the various programs

	Page 94
1	7/20/2023 - Monthly Meeting
2	that we're implementing and you know, what the
3	impacts of those programs have been, we can certainly
4	think about in future reports how we might, you know,
5	more proactively address some of those issues.
6	And then in terms of, you know, the
7	appendix, so we've never really rolled up everything
8	that we do into one place, and as you mentioned in
9	the beginning of your comments, this was a very
10	significant effort.
11	I think, you know, we've learned a lot
12	for future reports. That appendix is an effort to
13	try to simplify for the public all of the different
14	things that relate to C.L.C.P.A. or quote, unquote
15	Climate Act implementation, it's not exhaustive.
16	So we can consider, you know, maybe
17	adding additional things into the appendix in future
18	reports. There might be other things that we maybe
19	didn't pull out that we could, and so we definitely
20	welcome feedback on that.
21	And I think, you know, certainly the
22	comments at today's session will continue to
23	prioritize for future reports. The last point I

wanted to make is, you know, the Commission order was

very specific in the directives it gave us to do this

24

25

	Page 95
1	7/20/2023 - Monthly Meeting
2	report.
3	In terms of cost recoveries, it was
4	forward it was backward-looking for a reason. It
5	shows to the public exactly what the impact was on a
6	utility bill. Looking out into the future is very
7	difficult. There are ways to forecast it, but there
8	would be a lot of assumptions and a lot of ranges
9	that we would have to give that could be confusing.
10	I think our attempt at the report at
11	the very end, which was on Slide 19, to show the
12	total amount of funding authorized to date is to give
13	a sense to the public on what, you know, monies are
14	out there that have been authorized that will be
15	that could eventually be recovered.
16	But that's all based on the actual
17	implementation of those programs and what projects or
18	programs actually get implemented. So I think, you
19	know, looking out into the future, we'd have to look
20	at a variety of different scenarios across those
21	programs, which could be very difficult to execute.
22	And so again, something we could
23	consider for the future, but wanted to provide some
24	context as to why why we did what we did in this
25	report and you know, how it's presented today.

	Page 96
1	7/20/2023 - Monthly Meeting
2	COMMISSIONER BURMAN: I think that's
3	helpful. I appreciate your willingness to discuss
4	this. The challenge here is that, yes, the
5	Commission as a majority approved a very specific
6	directive on what the annual report should look like
7	as a minimum.
8	There were comments at the session
9	when it was approved. I abstain from voting because
10	I felt that we didn't have enough information and
11	wanted more. There were comments back and forth from
12	Commissioners and staff saying, we take your comments
13	into what you'd like to see into account, we'll move
14	forward.
15	There was no sort of follow-up in
16	terms of, you know, what else could be here, right?
17	Engagement. However, across the board, all this is
18	about system planning. This is a core bread and
19	butter of what we're supposed to do.
20	We're asking for we have a number
21	of proceedings that are looking at that. We just
22	asked for the utilities and NYSERDA to put forward
23	their proposals on post-2025. So it may be hard, but
24	we've got to start doing that.
25	And so the last slide, yes, it's like

	Page 97
1	7/20/2023 - Monthly Meeting
2	to me, that slide is like saying reliability is
3	paramount, right? What does that mean? For every
4	one of them, what is it that we're actually doing and
5	articulating?
6	And we do not have to wait another
7	year for the annual report to then start shaping
8	that. It's like when we do, we do information only
9	items on a number of different things, electric
10	reliability, winter planning, summer planning, et
11	cetera.
12	We start staff starts looking at
13	that as soon as that, it's an ongoing process. And
14	along the years, it's been refined to be much more
15	forward looking and forward planning. We don't have
16	the luxury of waiting another year and putting all
17	our focus on, how to make a report more responsive
18	and saying, well, we don't have to because it just
19	says just do C.L.C.P.A. in this little thing.
20	We have an obligation to start
21	broader, making it all clear how these things are
22	being aligned and what it means. And to talk about
23	the challenges. You get that. I know you do.
24	That's why I say SAPA the comment SAPA the report.
25	MR. ROSENTHAL: So just just for

	Page 98
1	7/20/2023 - Monthly Meeting
2	your information, there is, you know, Section 66P
3	subdivision 3 that was added by the C.L.C.P.A. in the
4	future. All all the reports are going to have to
5	be filed for public comment. We will file them for
6	public comment prior to being provided to the
7	Commission.
8	COMMISSIONER BURMAN: And so what does
9	that mean? By saying that to me, what are you trying
10	to say to me? That okay, what your my comment on
11	SAPAing it, so it's going to be SAPA'd what,
12	tomorrow, put out for comments and come back?
13	MR. ROSENTHAL: It's a biennial
14	process that starts next year.
15	COMMISSIONER BURMAN: Hey!
16	MR. ROSENTHAL: We preceded it by a
17	year.
18	COMMISSIONER BURMAN: I understand
19	that. I'm not asking for that. I get that. I want
20	much more granular, time-sensitive information,
21	sharing it with us and publicly in a way that helps.
22	Looking at how all of the different State agencies,
23	authorities, Reliability Council, I.S.O., all the
24	different issues that are impacting us.
25	Anyway, I I don't I don't want

Page 99 7/20/2023 1 Monthly Meeting to be -- I don't want to be anything other than 3 focused on helpful path forward. And I think that 4 one of the things that is important to me is that, I not just be a cheerleader on all the good without 6 recognizing the challenges that we need to address. 7 And I don't think that I would do my job effectively if I didn't share what some of my 9 concerns are in -- not just internally, but publicly 10 because we need to start looking at that. And -- and frankly, it's hard when you raise these issues 11 internally and you don't get those things, you know, 12 13 except for, well, this is the way it is. 14 We don't have to do it that way. 15 so for me, I -- I share. So I quess thank you to Bob 16 for, you know, your input there. And thank you very 17 much to Jessica and your team that's been working 18 very hard. I recognize that. Thank you. 19 CHAIR CHRISTIAN: Thank you. And I'd 20 just like to add, you know, the -- the feedback here 21 today is, in my view, part of the process that we 2.2 And we are going to take this feedback up into have. 23 making this report more refined, clearer to 24 understand, and more accessible going forward. 25 So thank you for that feedback,

	Page 100
1	7/20/2023 - Monthly Meeting
2	Commissioner Burman. Commissioner Alesi?
3	COMMISSIONER ALESI: Well, I think
4	it's an excellent report, very good report. And of
5	course, there are questions when you have a good
6	report because it makes you think. And so as we
7	think, those questions arise.
8	And I can't wait until we have another
9	session when we can ask those questions and have some
10	answers for them, not today. Thank you. I know a
11	lot of hard work goes into this. I appreciate it.
12	CHAIR CHRISTIAN: All right. Thank
13	you, Commissioner. Commissioner Edwards?
14	COMMISSIONER EDWARDS: Yes, thank you
15	very much. Jessica, I just have one question, and it
16	might be unfair. And it also could be
17	CHAIR CHRISTIAN: Sorry, Commissioner
18	Edwards.
19	COMMISSIONER EDWARDS: more
20	appropriate.
21	CHAIR CHRISTIAN: I'm going to have to
22	cut you off. Would you mind moving the mic a little
23	closer, please? We're having a hard time here.
24	COMMISSIONER EDWARDS: Okay, can is
25	that better?

	Page 101
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Much better, thank
3	you.
4	COMMISSIONER EDWARDS: Is that better?
5	CHAIR CHRISTIAN: Yes.
6	COMMISSIONER EDWARDS: Okay. All
7	right. So Jessica, I do have a question. It could
8	be unfair, and it also could be more appropriate for
9	the next item. But I'm going to ask it anyway. If
10	you could turn to page 14.
11	MS. WALDORF: Yeah.
12	COMMISSIONER EDWARDS: Okay. So the
13	Con Ed. cost recovery, is that reflected at all in
14	the rate case that is before us in the next item?
15	MS. WALDORF: So I will start, and
16	then I'll let staff jump in if I'm getting it wrong.
17	COMMISSIONER EDWARDS: Okay.
18	MS. WALDORF: But the cost recoveries
19	that we show here are backward looking. So it
20	doesn't include what the cost recoveries could be in
21	the rate case, you know, 2023 and beyond. But
22	COMMISSIONER EDWARDS: Okay. Say that
23	one more time.
24	MS. WALDORF: So we're looking
25	COMMISSIONER EDWARDS: Okay.

	Page 102
1	7/20/2023 - Monthly Meeting
2	MS. WALDORF: at the cost
3	recoveries that have been incurred by customers in
4	the calendar year 2022. Now
5	COMMISSIONER EDWARDS: Correct.
6	MS. WALDORF: it doesn't it's
7	not to say that this will be exactly the same in all
8	future years, right, because programs will change,
9	project implementation schedules will change, and so
10	the amount of money that's recovered pursuant to the
11	C.L.C.P.A. programs in calendar years 2023 and beyond
12	will change based on the schedule of, you know, when
13	projects or measures are installed by customers and
14	when those costs are incurred by the utility.
15	COMMISSIONER EDWARDS: Okay. All
16	right. Thank you. So I guess my question is going
17	to be
18	MS. WALDORF: Yeah?
19	COMMISSIONER EDWARDS: for the next
20	item, so just as a heads up, I'm going to ask the
21	A.L.J.s to just talk me through how this is, in fact,
22	reflected in the Con Ed. joint proposal if it is. So
23	that's not for you.
24	MR. ROSENTHAL: Let me let me make
25	<del></del>

	Page 103
1	7/20/2023 - Monthly Meeting
2	COMMISSIONER EDWARDS: Okay?
3	MR. ROSENTHAL: one further
4	clarification, which is that some of the costs
5	COMMISSIONER EDWARDS: Okay.
6	MR. ROSENTHAL: are going to be
7	reflected in the delivery rates, which are going to -
8	- which is what you're going to be voting on in the
9	Con Ed. rate case and in every rate case. All of the
10	C.E.S. RECs programs are not borne out in the
11	delivery rates.
12	They're borne out in the commodity
13	side of the bill, not in the delivery rates.
14	COMMISSIONER EDWARDS: Okay,
15	thank you, Bob. My other comment was really more
16	just to think about for the next time. I think that
17	this is really good. I want to see how we can, for
18	the next annual report, do a little bit more of a
19	deep dive on what you expect to happen on a going
20	forward basis.
21	So we have all of the, this is what
22	happened, and then it would be great if you were able
23	to say this is what I think is going to happen
24	between now and the next year, so that we can then do
25	a check based on what you believe is expected to

	Page 104
1	7/20/2023 - Monthly Meeting
2	happen.
3	Did it happen or did it not?
4	MS. WALDORF: Yeah, thank you. You
5	know, I definitely think that's something we could
6	incorporate, and to your point, we could also hit on
7	some of the changes that we might see from a policy
8	perspective related to the C.L.C.P.A
9	COMMISSIONER EDWARDS: Right.
10	MS. WALDORF: as well as, you know,
11	the impact of, you know, for example, any legislation
12	that's passed in the calendar year, we're doing the
13	report and how that could impact the structure of
14	programs and cost in the future. So we'll we'll
15	definitely give some thought to that.
16	COMMISSIONER EDWARDS: Okay. That'd
17	be great because you and the team are the experts in
18	this, right? So as you're putting together, you
19	know, here's what happened, it would be great for us
20	to learn more from all of you on, okay, so now going
21	forward, we want to we think that this is going to
22	happen in the next calendar year, and then it'll give
23	us a little bit of a guide to say, are we on track?
24	Are we not on track? And what are the gaps and what
25	are the things that we need to do in order to course

	Page 105
1	7/20/2023 - Monthly Meeting
2	correct.
3	So that would be helpful for me.
4	MS. WALDORF: Great. Thank you.
5	COMMISSIONER EDWARDS: Okay, thank
6	you.
7	CHAIR CHRISTIAN: Thank you.
8	Commissioner Howard?
9	COMMISSIONER HOWARD: Thank you, Jess.
10	You our order gave you, maybe, the least enviable
11	job in the C.L.C.B C.L.C.P.A. debate of of any
12	entity. Because we asked how much stuff costs, and
13	it's very clear, certainly over the last 12, 18
14	months, that New Yorkers are desperate to know what
15	this is going to cost.
16	The rhetoric surrounding the C.L.P.A
17	- C C.L.C.P.A. writ large is, don't worry, it pays
18	for itself. Well, I think we just see from our brief
19	snapshot in 2022. Well, okay. No, it doesn't pay
20	for itself. It takes real dollars to build
21	transmission. It takes real dollars to build
22	renewable resources.
23	It takes real dollars to insulate and
24	weatherproof homes. And that's real dollars. We can
25	debate how whether those dollars are offset by

	Page 106
1	7/20/2023 - Monthly Meeting
2	societal benefits, but there are dollars and this
3	Commission has authorized us to put hands in
4	ratepayers' pockets to get those dollars to pay for
5	this.
6	And again, I get this is looking back.
7	And I I think everyone, and include you know,
8	to Commissioner Edwards' point, there's got to be
9	next time some looking forward. Because we all
10	know, but it's sort of, I said this to you before.
11	This is sort of like we're going across the Great
12	Plains.
13	Boy, this is a great trip to
14	California. No problem, flat, easy going. Holy
15	Lord, those are giant mountains we got to cross. We
16	are at the foothills now. And I think we need to un
17	understand that the biggest challenges are all in
18	the future.
19	However, there are some cautionary
20	tales in your report. And the cautionary tales, I
21	think and I think I've mentioned this multiple
22	times about our broader economic competitiveness in
23	our job creating aspect of our economy.
24	You know, we already have large
25	industrial employers paying in excess of 10 percent

Page 107 7/20/2023 1 Monthly Meeting of their bill to support C.L.C.P.A. goals today. 3 That's before Tier Four. That's before any real OREC 4 costs hit. Certainly, before any large transmission costs hit the grid. 6 So again, if today a large industrial or a site selection expert says, well, shoot, it's 10 What's it going to be going in the percent now. 9 Because I think as much as residential 10 customers are desperate to know, it is vital that 11 industrial customers know what these projected costs are, because they will make decisions that take many 12 13 years to implement today about what that will be and 14 what particular aspects of economic activity those particularly multinational corporations will do in 15 16 New York, or they will do it somewhere else. 17 And what things they might be doing in 18 New York today that looking forward they won't be 19 able to do in New York. So I think that is a -- a 20 really -- to me, one of the biggest news that comes 21 Not news, it's just reiterating on one out of this. 2.2 piece of paper that -- what those costs are. 23 But again, yeah, I do appreciate this. 24 But this is not going to be -- and -- but -- and to 25 get to this, if not the Department of Public Service,

	Page 108
1	7/20/2023 - Monthly Meeting
2	who else? Because nobody else is seriously in
3	government taking, you know, being transparent.
4	And I do appreciate our efforts at our
5	direction to breathe to breathe transparency into
6	this process. And as difficult and as this
7	process was this year, this is nothing. And I really
8	do appreciate what is expected of you guys going
9	forward.
10	And yes, more resource clearly would
11	make it easier. But it won't make the message any
12	less painful. So again, thank you again, I think
13	we can glean a lot from this. But again, yeah, the
14	hard work lies ahead of us.
15	And we and this does, at least I
16	think, minus social benefits and carbon reduction,
17	actually starts telling us how much New Yorkers are
18	going to need to pay to get this done. And I think
19	just like our first item today, it is very clear that
20	if all of these costs going forward are the vast,
21	vast majority of, federal money notwithstanding, is
22	just on ratepayers, it it clearly won't be
23	sustainable.
24	If it's not sustainable for a billion
25	dollar program, it's certainly not sustainable for a

	Page 109
1	7/20/2023 - Monthly Meeting
2	200 billion dollar program. So again, thank you.
3	And well, sympathies and congratulations at the same
4	time.
5	CHAIR CHRISTIAN: Thank you. And
6	Commissioner Valesky?
7	COMMISSIONER VALESKY: Thank you, Mr.
8	Chair. I'll pick up on Commissioner Howard's
9	transparency thoughts in a minute. But Jessica, I
10	just want to really thank you and the entire team. I
11	know there's a lot of folks here who have done an
12	awful lot of work, including one gentleman on staff
13	who hopefully is work watching from home as he
14	cares for his newborn.
15	I know I'm sure he had a lot a lot
16	to do with this as well. Can can I just go back
17	to the slide show for a minute, whoever's in charge
18	of the slides? I just wanted to bring up two slides.
19	If we could go to slide 9 first, please.
20	And so Jessica, this is a question.
21	I'll base it off of slide 9, but and and then a
22	comment on slide 8. But the annual emissions
23	inventory that we are doing that's summarized in this
24	slide, those Commissioners who have spoken before me
25	and and talking about what other agencies are

Page 110 7/20/2023 1 Monthly Meeting doing. 3 And perhaps how much more other 4 agencies should be telegraphing what they are doing. If I could just ask a specific question on this and 6 refresh my memory. So I know we are either in the 7 year by which at the end of it, D.E.C. is required to do their own greenhouse gas emissions inventory. I 9 think I'm correct. 10 How -- how does what they are doing 11 dovetail with what we are doing, or maybe it doesn't, that you've summarized here on -- on this slide? 12 13 MS. WALDORF: Yeah. So a couple 14 things, D.E.C. has already promulgated an annual emissions report inventory that we cited in a prior 15 16 slide. So they had a statutory requirement to do 17 that already, and they've fulfilled that to date. 18 So that Statewide inventory looks at 19 the total emissions across a variety of sectors. 20 it's looking at different sectors. One example would 21 be the electric sector, which we pulled a -- a table 2.2 out of that report and showed it visually here to 23 show the way that that has evolved over time. 24 There are other tables in the report 25 that are very similar. What we saw the value in from

Page 111 7/20/2023 1 Monthly Meeting the utility perspective is, in that report, it's looking at everything very high level. But when 3 we're looking at individual decisions, for example, 4 in the context of a rate case or a project that a 6 utility wants to do, it would be really good for us 7 to have the information on what exactly are -- what is the status of emissions with that particular 9 utility? 10 What is -- what are we reducing from that utility service territory, and how does the 11 infrastructure that they manage and operate -- what 12 does that mean in terms of emissions? We don't 13 14 really get that now. 15 And what we do -- the utility -- many 16 of the utilities do report emissions to federal 17 entities on an annual basis or, you know, whatever 18 frequency. So we could use that, but it's not really 19 in New York's context. And so we saw a lot of value 20 in having that. 21 We also, you know, part of what we're 2.2 doing is we're looking at the filing from the 23 utilities, which is out for comment now. And we 24 really want to make sure that we're aligned in a lot 25 of ways for what that Statewide inventory is looking

	Page 112
1	7/20/2023 - Monthly Meeting
2	at, how it looks at emissions, so that we're being
3	consistent across our two agencies.
4	And also so that we don't have varying
5	pieces of information out there that could be
6	confusing to the public. So it's a very good
7	question.
8	COMMISSIONER VALESKY: Great, thank
9	you.
10	MR. ROSENTHAL: Let me just add one
11	more thing for you. So they there is a
12	requirement of the C.L.C.P.A. for the D.E.C. to come
13	out with an emission reduction plan, and that first,
14	you know, plan is due January it's I I
15	it's due in January of 2024.
16	COMMISSIONER VALESKY: I think that's
17	what I'm
18	MR. ROSENTHAL: That's the one that
19	you're referring to.
20	MS. WALDORF: That's the cap and
21	invest program that's on the slide.
22	MR. ROSENTHAL: And that they're going
23	to implement that through cap and invest. And let me
24	just by way of example, we obviously are implementing
25	renewables programs here. So that's going to impact

	Page 113
1	7/20/2023 - Monthly Meeting
2	the power sector.
3	D.E.C. may, you know, or is likely to
4	include the power sector in its cap and invest
5	program. If we, you know, as we move forward to 70
6	by 30, that sector is obviously going to be
7	decreasing emissions, right?
8	And so I don't know to what extent
9	D.E.C. would have to take that into account in their
10	cap and invest program, but I just wanted to give
11	that by way of an example.
12	COMMISSION VALESKY: Okay, thank you.
13	I appreciate that. And my other to slide 8, if we
14	could go back to slide 8 for a moment. And again,
15	those Commissioners who have both talked about
16	transparency and also what they would like to see
17	going forward.
18	And Chair, I'll take your offer of
19	adding a suggestion at this point as well. So if
20	if we see this slide, it technically by an hour or so
21	is already out of date, right? Now, you could not
22	have added the line that would have said at the end
23	July 2023.
24	Because it would have referred to item
25	203, which we hadn't approved yet. But an hour or so

Page 114 7/20/2023 1 Monthly Meeting ago, that would now be on there, right? So as a 3 suggestion, this is not a question, but a suggestion 4 for you and -- and the management team going forward. And I recall the conversation that Bob 6 and I had at the time we did the order. Reflecting 7 back on that, I think it would be really helpful to all of us and certainly to the public, and these 9 slides are now in the public domain by virtue of them 10 being presented here, right? To have almost a rolling tracker that 11 12 continually updates now that you've done this, the 13 first one is done and complete and finished. I don't 14 know that we necessarily have to wait until next year 15 for an entirely new report. 16 One of the things I'm thinking, for 17 example, if these slides or a truncated version of 18 these slides, again, in the interest of transparency 19 were put on our website, say. Then it would be very 20 easy at the end of this session for you or -- or 21 someone else here at the agency to add the line that 2.2 says July 2023, the E.E.B.E. order that we just --23 that we just approved. 24 So I -- I think, again, I think to the 25 degree that we can make this sort of a rolling

	Page 115
1	7/20/2023 - Monthly Meeting
2	document or a living, breathing document as opposed
3	to waiting until next year at this time, and and
4	we'll all wait and see what happens and and go
5	from there.
6	If you could take that back and give
7	that some thought, I'd appreciate that. Chair,
8	obviously, through your leadership. Thank you very
9	much.
10	MS. WALDORF: I just want to jump in
11	and say I think that's a good suggestion. You know,
12	part of what what we were doing in kind of
13	summarizing what each of the dockets dockets were
14	in the appendices, for example, right?
15	It shows an example it shows
16	basically a description of what each of those
17	initiatives are, but not a status of where those
18	initiatives are. So, you know, definitely something
19	that we can take into the future for either, you
20	know, updates in this report and/or a way to give
21	updates more frequently to the public and in between.
22	So I appreciate that.
23	CHAIR CHRISTIAN: Thank you.
24	Commissioner Maggiore?
25	COMMISSIONER MAGGIORE: Thank you. So

Page 116 7/20/2023 1 Monthly Meeting I think the purpose of this report was to track and 3 assess progress, and I think that this report does 4 exactly that. Having spent most of my career on the staff side of things, I also want to acknowledge the 6 enormity of the effort that went into producing this. 7 And I think that the first report is 8 the toughest. So to Commissioner Valesky's point 9 about updating this going forward, I think that 10 hopefully that will be -- now -- now you've got the 11 ball rolling. But I think this is an enormously 12 useful report. 13 It's something that I suspect I'll be 14 referring to in the future. I could also imagine 15 this being extremely useful for other agencies, and I 16 -- I couldn't help but think how useful it would be, 17 you know, the C.L.C.P.A. calls out the D.P.S. and the 18 -- the D.E.C. 19 But it also applies to every other 20 State agency there is, and how useful it would be to 21 see how they're doing with those provisions like 2.2 Section 7, how they're doing, how the other agencies 23 are doing. 24 But I want to congratulate you on 25 accomplishing something that's -- that's quite

Page 117 7/20/2023 1 Monthly Meeting I do have two questions, and I think enormous. they're both quick. The first is, you had mentioned 3 4 a report on how benefits are going to redound to disadvantaged communities that is slated to come out 6 next year. 7 And I just wanted to ask if you anticipate that report is going to have a geographic 9 back - breakdown of how those benefits are being 10 realized. MS. WALDORF: Sure, yeah. So part of 11 what was going into that report was the definition of 12 13 the criteria by the Climate Justice Working Group for 14 where these geographic areas are across the State and how to identify those communities. So that period --15 16 that piece of work was done this year. So that information is now available. 17 18 Now what's going to be done is, staff in our agency 19 and across other agencies is going to be looking 20 across every clean energy investment and program and 21 try to determine, especially for the place-based 2.2 investments, so where we can actually pinpoint a 23 location where an investment was made. How to be 24 able to make --25 COMMISSIONER MAGGIORE: Yeah.

	Page 118
1	7/20/2023 - Monthly Meeting
2	MS. WALDORF: that geographically
3	transparent. So I think that will be part of the
4	effort.
5	COMMISSIONER MAGGIORE: Okay, great.
6	Thank you. And my other question is this. So you
7	know, I think as a lot of the discussion has sort of
8	indicated, there's an enormous interest including for
9	me and I suspect from you, to wonder how the future
10	is going to play out.
11	And I know that you you don't have
12	a crystal ball, so we've talked about different ways
13	of making assessments of what is expected to happen.
14	But what I want to ask you is a question about where
15	we are today in terms of how to how our how
16	does it look in terms of how we're coming along on
17	meeting our C.L.C.P.A. mandated goals?
18	MS. WALDORF: Well, I'll start off by
19	saying I wish I did have a crystal ball. And you
20	know, I think it's important to note that New York
21	has been has the benefit of having already been a
22	leader in the climate and clean energy space
23	COMMISSIONER MAGGIORE: Yeah.
24	MS. WALDORF: for decades. We've
25	built a really solid foundation of programs some of

Page 119 7/20/2023 1 Monthly Meeting which, you know, we just heard about in the item 3 before mine, that have put the State in a really good 4 position to continue our efforts in renewable energy project development and maintaining the reliability 6 of our energy systems. 7 And in the decarbonization of the 8 buildings and transportation sectors. The actions 9 that this Commission and the department have taken, 10 you know, again with other partners at utilities and -- and elsewhere, have already shown some significant 11 progress, and that's what you heard about today. 12 13 So we heard today about some of the 14 progress that we've made on programs pursuant to the I think, you know, a lot of -- there's a 15 C.L.C.P.A. 16 lot of anxiety, I think, out there about how we can 17 actually achieve the goals of the C.L.C.P.A. 18 But you know, I think we've learned a 19 lot through the decades of work that the State and 20 you know, the department and Commission have done 21 through our work, either State partner-wise or with 2.2 federal agencies, to really realize the achievement 23 of projects. 24 I think that's really the focus of 25 where we are today. There's significant

Page 120 7/20/2023 1 Monthly Meeting opportunities to leverage benefits at the federal 3 level, to work across some of the sectors of 4 government to make some of these programs a reality. And so I think the goals are -- are 6 definitely difficult to achieve, but there's no -- no denying that the scale and shift of investments is pretty significant. But you know, I think we're 9 going to do that in continuing to maintain our core 10 mission here at the department in preserving the reliability and safety of our energy systems. 11 12 But also, I think one of the focuses 13 for us, and I think we heard from a lot of the 14 Commissioners today, is we need to do that with a lens towards preserving energy affordability. 15 16 that will be certainly a focus of many of us at the 17 department at, you know, the Commission as well as 18 other agencies as we really move these projects 19 forward. 20 But I think we're in a good spot. 21 think we've built a good foundation. But there's no 2.2 doubt that there's a significant amount of work 23 ahead, and it's going to require a significant amount 24 of investment. And you know, part of what the report 25 speaks to is a lot of the investment has been through

	Page 121
1	7/20/2023 - Monthly Meeting
2	rates.
3	But we really need to be creative in
4	the way that we fund these projects and programs
5	moving forward. And you know, certainly the work
6	that we've been doing in working with utilities and
7	other agencies in leveraging federal funding, to
8	whatever extent we can and to whatever extent it's
9	available, we're going to continue to do that.
10	Whatever means we have to reduce the
11	cost impacts to ratepayers for these programs, rest
12	assured that a lot of the folks at this agency and
13	across State government are actively involved in
14	making that a reality. So great question.
15	I wish I could say yes, for sure.
16	It's achievable. But I think, you know, we've built
17	a good foundation and we're on the way to getting us
18	there.
19	COMMISSIONER MAGGIORE: Great. Thank
20	you. And I just my final comment is just
21	digesting the answer to that question that you just
22	gave me. In light of the larger discussion that
23	we've been having on on this item, we really have
24	three enormous challenges.
25	The one is, you know, we talked about

	Page 122
1	7/20/2023 - Monthly Meeting
2	reliability. We talked about affordability. And now
3	we just talked about achieving the legally mandated
4	C.L.C.P.A. goals. And I don't think achieving any of
5	those three things is going to be easy.
6	But I I appreciate this report. I
7	think that it tells us where we are today. Thank you
8	very much.
9	Ms. WALDORF: Thank you.
10	CHAIR CHRISTIAN: Thank you. And with
11	that, it has been 2 hours and 40 minutes since we
12	began today's session. I think it's nigh time for a
13	short break. Why don't we take 15 minutes to stretch
14	our legs. By my clock, it's 01:10 p.m. and we'll
15	return at 01:25 p.m.
16	(Off the record; 01:10 p.m.)
17	(On the record at 01:28 p.m.)
18	CHAIR CHRISTIAN: All right. Good
19	afternoon, everyone. Welcome back. We're now
20	beginning our third discussion item for today. Item
21	201, case is 22-E-0064 and 22-G-0065, which relates
22	to the Consolidated Edison Company of New York's rate
23	plan.
24	It will be presented today by
25	Administrative Law Judges, James Costello, and Ashley

	Page 123
1	7/20/2023 - Monthly Meeting
2	Moreno. Judge Costello, please begin.
3	A.L.J. COSTELLO: Good afternoon,
4	Chair, and Commissioners. My name is James Costello.
5	And I was assigned to preside over these proceedings
6	with Administrative Law Judge, Ashley Moreno, who is
7	with me here this afternoon.
8	Before you is a draft order that would
9	establish electric and gas delivery rate plans for a
10	three year period beginning on January 1st, 2023, and
11	continuing until December 31st, 2025 for Consolidated
12	Edison Company of New York, Inc., which I am going to
13	refer to as Con Edison or the company.
14	The draft order generally would adopt
15	a Joint Proposal or J.P. that was filed in these
16	cases on February 16th, 2023. I'll briefly provide
17	you with some background information, detail the
18	agreement's revenue requirements and highlight
19	certain provisions in the Joint Proposal.
20	The company commenced these
21	proceedings in January of 2022. And after various
22	parties filed testimony and rebuttal testimony, the
23	cases proceeded to settlement negotiations, resulting
24	in the filing of the Joint Proposal in February 2023.
25	The Joint Proposal was signed by Con

	Page 124
1	7/20/2023 - Monthly Meeting
2	Edison, Department of Public Service staff, the City
3	of New York, New York Energy Consumers Council,
4	Consumer Power Advocates, Walmart, and the
5	Metropolitan Transportation Authority.
6	In addition, New York Power Authority,
7	Natural Resources Defense Council, New York
8	Geothermal Energy Organization and Mr. Bob Wyman
9	signed the Joint Proposal with respect to Con
10	Edison's electric operations and and Advanced
11	Energy United signed the Joint Proposal in connection
12	with the earnings adjustment mechanisms in the Joint
13	Proposal or the E.A.M.s.
14	Con Edison, Department of Public
15	Service Staff, the City of New York, Walmart, New
16	York Energy Consumers Council, New York Power
17	Authority, and the Metropolitan Transportation
18	Authority filed statements in support of the Joint
19	Proposal.
20	Advanced Energy United filed a
21	statement in support of the E.A.M.s. Amtrak filed a
22	letter stating that it did not oppose the Joint
23	Proposal. The Environmental Defense Fund filed a
24	statement of neutrality.
25	The Naturally Resources Defense

	Page 125
1	7/20/2023 - Monthly Meeting
2	Council and New York Geothermal Energy Organization
3	filed statements in support of the electric
4	provisions and in opposition to the gas provisions of
5	the Joint Proposal. Bob Wyman indicated his support
6	of the electric provisions of the Joint Proposal but
7	filed opposition to the gas provisions.
8	City Bridge filed a statement in
9	opposition to the electric provisions on limited
10	grounds and N.R.G. filed a statement of limited
11	opposition on behalf of energy service companies.
12	The Public Utility Law Project of New
13	York, A.A.R.P. New York, WE ACT for Environmental
14	Justice and the Alliance for a Green Economy,
15	Senator Robert Jackson, Sane Energy and Assembly
16	Member Zohran Mamdani filed statements in opposition
17	to both the gas and electric provisions of the Joint
18	Proposal.
19	The Department of Public Service
20	staff, the City of New York, WE ACT, and AGREE,
21	A.A.R.P., and PULP filed post evidentiary hearing
22	briefs. All of the arguments made by the parties in
23	support and opposition to the Joint Proposal are
24	addressed in the draft order before you.
25	So I'll briefly turn to the revenue

	Page 126
1	7/20/2023 - Monthly Meeting
2	requirements and indicate that the revenue
3	requirement increases in the Joint Proposal are
4	significantly less than Con Edison's initial
5	positions. In it's initial filing, Con Edison sought
6	to increase electric delivery revenues by
7	approximately \$1.2 billion, which would have resulted
8	in a 17.6 percent increase in delivery revenues or an
9	11.2 percent increase in total revenues.
10	Pursuant to the company's request
11	during the period that would have covered rate year
12	one, a typical residential electric customer using
13	600 kilowatt hours a month would have experienced a
14	total monthly bill increase of \$20.78, which
15	represents a 13.1 percent increase.
16	For it's gas business, Con Edison
17	requested an increase in annual gas delivery revenues
18	of approximately \$500 million, a 21.8 percent
19	increase in delivery revenues or an 18.2 percent
20	increase in total revenues.
21	For the period that would have covered
22	rate year one, a typical residential gas heating
23	customer using 100 therms a month would have
24	experienced the total monthly bill increase of about
25	\$30.86 or a 15 percent increase.

	Page 127
1	7/20/2023 - Monthly Meeting
2	As stated earlier, the Joint Proposal
3	would establish the electric and gas rate plans for a
4	three year period. The Joint Proposal provides for
5	electric delivery revenue increases of \$442.3 million
6	in rate year one, \$517.5 million in rate year two and
7	\$382.2 million in rate year three.
8	The Joint Proposal would levelize
9	those rate increases to \$475 million per rate year to
10	moderate rate impacts. On a total bill basis, the
11	results would yield a 4.2 percent increase in rate
12	year one, a 4.0 percent rate increase in rate year
13	two, and a 3.8 percent rate increase in rate year
14	three.
15	For gas delivery revenues, the Joint
16	Proposal provides increases of \$217 million in rate
17	year one, \$173.3 million dollars in rate year two,
18	and \$122 million in rate year three. The Joint
19	Proposal would levelize those increases to \$187.2
20	million per rate year.
21	On a total bill basis, the results
22	would yield an increase of 6.7 percent in rate year
23	one, 6.3 percent in rate year two, and 5.9 percent in
24	rate year three. To put this in context, in
25	comparison to the 13.1 percent typical residential

	Page 128
1	7/20/2023 - Monthly Meeting
2	electric monthly bill increase for a 600 kilowatt
3	hour per month customer that Con Edison originally
4	sought for the period coming rate year one, the
5	typical residential monthly bill increase for such a
6	customer under the Joint Proposal is 5.8 percent.
7	And in comparison to the 15 percent
8	typical residential gas monthly bill increase for 100
9	therms per month heating customer that Con Edison
10	originally sought for the period covering rate year
11	one, the typical residential gas monthly bill
12	increase for such a customer under the Joint Proposal
13	is 7.2 percent. The Joint Proposal allows a 9.25
14	percent return on equity with a common equity ratio
15	of 49 percent.
16	It also includes an earnings sharing
17	mechanism that is triggered if the company's actual
18	return exceeds 9.75, in any rate year. The increases
19	for the electric business are driven primarily by
20	additional capital investments, changes in
21	depreciation expense, and growth, and property taxes.
22	The increases for the gas business are
23	driven primarily by additional capital investments,
24	lower forecasted sales volumes, and changes in
25	depreciation expense. Property taxes, which are

	Page 129
1	7/20/2023 - Monthly Meeting
2	beyond the control of the company, accounted for 33
3	percent of the electric revenue requirement increases
4	and 23 percent of the gas revenue requirement
5	increases over the term of the rate plans.
6	The Joint Proposal allows Con Edison
7	to be made whole by recovering shortfalls and
8	refunding over collections resulting from the
9	suspension period extension related to settlement
10	negotiations. The Joint Proposal moderates the
11	impact of the make whole by extending it's recovery
12	through December 31st, 2024 for the electric business
13	and through December 31st, 2025 for the gas business.
14	The Joint Proposal requires Con Edison
15	to take various steps in furtherance of the State's
16	greenhouse gas reduction targets and clean energy
17	priorities as stated in the Community Leadership and
18	Consumer Protection Act or the C.L.C.P.A.
19	This is in addition to the ongoing
20	steps the Commission is taking to address the
21	C.L.C.P.A. in various generic proceedings, including
22	the C.L.C.P.A. implementation and gas planning
23	proceedings. Among other things, the Joint Proposal
24	includes funding for a distributed energy resource
25	make ready program for low-income customers that will

	Page 130
1	7/20/2023 - Monthly Meeting
2	support C.L.C.P.A. distributed solar energy and
3	energy storage targets and provide benefits to low-
4	income rate payers.
5	It includes funding for the company to
6	build two non-wires alternatives energy storage
7	facilities, one of which will be located in the
8	disadvantaged community in Glendale, Queens. The
9	Joint Proposal provides funding for the rely
10	reliable clean city projects that will enable the
11	retirement of older higher air polluting peaker
12	generation plants, while providing a new pathway
13	enabling 900 megawatts of renewable energy to be
14	delivered to Con Edison's service territory.
15	The Joint Proposal funds programs and
16	projects that will support electrification of
17	transportation and heating, deliver offshore wind
18	energy, and enable clean dist distributed
19	generation resources to connect to the electric
20	system.
21	It effectuates cost recovery of
22	various programs that were authorized through
23	separate Commission proceedings and will further
24	C.L.C.P.A. goals including the electric and gas
25	energy efficiency programs, the clean heat program,

	Page 131
1	7/20/2023 - Monthly Meeting
2	the light duty electric vehicle make ready program
3	and associated medium and heavy duty electric vehicle
4	make ready pilot, the Brooklyn, Queens demand
5	management program and REV demonstration projects.
6	The Joint Proposal also subjects the
7	company to more stringent leak backlog targets and
8	requires it to prioritize the repair of high emission
9	leaks by using advanced leak detection technology.
10	It requires the company to continue repairing or
11	replacing leak prone pipe using a risk-based
12	prioritization algorithm and to assess whether it can
13	eliminate gas main as part of it's gas infrastructure
14	reduction or replacement program.
15	By considering whether a gas main is
16	at the end of the system or has a small number of
17	customers attached that are easy to switch to
18	electric service using non-pipe alternatives. The
19	Joint Proposal requires the company to conduct
20	outreach and education for rate payers, who are
21	planned recipients of gas service replacement on the
22	benefits of electrification.
23	It requires the company to consider
24	delaying associated main replacement work and
25	facilitate electrification efforts in attempt to

Page 132

7/20/2023 1 Monthly Meeting develop non-pipe alternative projects focused on gas 3 service line replacements. The Joint Proposal also 4 requires Con Edison to end all marketing and remove all marketing materials that promote the conversion 6 to natural gas. 7 As explained in detail in the draft order, the Joint Proposal protects ratepayers 9 maintains Con Edison's ability to obtain capital at 10 reasonable rates and enables Con Edison to continue 11 to provide safe and reliable service to customers. 12 The Joint Proposal does so while 13 remaining consistent with the environmental, social, 14 and economic policies of the Commission and State, 15 including the C.L.C.P.A.. And it produces a result 16 consistent with the potential outcomes that could be 17 expected to have been achieved in a fully litigated 18 proceeding. 19 All interested parties had a full 20 opportunity to address the provisions of the Joint 21 Proposal, which ultimately has been supported by 2.2 various parties with diverse interests. Accordingly, 23 we recommend that the Commission adopt the Joint 24 Proposal, subject to the additional requirements 25 regarding the filing in Con Edison's next rate case

	Page 133
1	7/20/2023 - Monthly Meeting
2	of a comprehensive summary of charges appearing on
3	customer bills and associated impacts.
4	And on reporting requirements
5	regarding interconnection projects to receive
6	renewable natural gas, both both of those are
7	addressed also in the draft order before you. This
8	concludes my presentation. A.L.J. Moreno and I and
9	various members of senior staff are available for any
10	questions that you may have. Thank you.
11	CHAIR CHRISTIAN: Thank you, A.L.J.
12	Costello, and A.L.J. Moreno. I know this is a long,
13	difficult process and having sat in on a number of
14	the public hearings, I know this was a fairly
15	contentious case to bring about. You know, I think
16	of our role here at the Commission as economic
17	regulators.
18	And it really is to strike a balance,
19	very delicate balance, as you pointed out. One
20	between the rates we need to charge customers and the
21	rate of return that's fair to the utility. And if we
22	do it right, customers get the service they need
23	reliably and affordably. And utilities can provide
24	that service reliably long term.
25	Now, looking at what you were saying

Page 134 7/20/2023 1 Monthly Meeting earlier about the number of parties that signed on, 3 it seems several agree with that approach to varying 4 degrees in some cases, but generally, there's some agreement that you've achieved that balance. But I look at the number of public 7 comments in this case. I think, there were over 7500 public comments. And just before I continue, I'm 9 curious, is that the most you've seen in a rate case 10 that you've worked on during your time here at 11 D.P.S.? 12 A.L.J. COSTELLO: I -- I don't know if 13 it's actually the most, it is up there. 14 CHAIR CHRISTIAN: It is certainly up 15 there, yeah. And I mean, the number of comments I 16 think, is aligned with the level of public interest. 17 I think that's fairly direct and easy to acknowledge. 18 And the one thing I think these comments all have in 19 common, you know, despite varying tones and 20 perspectives, you know, it's recognition that New 21 Yorkers everywhere still face economic challenges 2.2 coming out of the COVID pandemic. 23 And, you know, these hardships are 24 only going to be exacerbated further by rising 25 prices. And in particular, when salaries are not

Page 135

7/20/2023 1 Monthly Meeting rising at the same pace, as which these prices are 3 rising. You know, I look at these challenges, and I 4 think about that in the context of our role here, you know, as economic regulators. And even under the 6 best of circumstances, I don't think there's a rate 7 case in which anyone favors the rate increases that are coming down the pipe. 9 And I think in this instance, you 10 know, I look at what we're doing, I look at the 11 projects that are moving forward and the rationale 12 behind them. And I think I have solace in the fact 13 that these investments are being used to reinforce 14 much of the work we've already done in building the 15 system of the future we're looking for. 16 And further increasing that foundation 17 and creating a better platform from which we can 18 achieve our climate goals and other goals. And most 19 notably, maintain reliability of the system. So I --20 I look at this and I see it as what it is, it's the 21 result of a negotiation. 2.2 And one of the things my negotiation 23 professor shared with me many years ago is, very 24 rarely does everybody get what they want in 25 negotiation. And I think in this instance, that

Page 136 7/20/2023 1 Monthly Meeting applies. Looking, where the utility started, we've 3 significantly reduced the impact, I think, by more than 50 percent on customers. And you've done more, and you've 6 spread out that impact over time, which I think is an important point to note. And though we recognize affordability, you know, we also recognize we need to 9 maintain the system, we need to keep it going. And 10 this rate case will help do just that. On the subject of affordability, the 11 12 Commission has done much to advance that issue, 13 through our arrears reduction programs and a variety 14 of other energy affordability programs as well. 15 we'll continue those efforts to help individuals who 16 are burdened by higher rates. 17 But ultimately, I look at the work 18 before me and present it in this order. And I see 19 your work product that is ultimately consistent with 20 State policies and aligned with the greater good. 21 I want to thank you for your hard work. And, you 2.2 know, thank you, appreciate it. We'll go to 23 Commissioner Burman. 24 COMMISSIONER BURMAN: Thank you so 25 So first, I want to take a moment of personal much.

	Page 137
1	7/20/2023 - Monthly Meeting
2	privilege to really recognize that under A.L.J.
3	Lecakes, the the office of the A.L.J.s has never
4	run smoother and the trust that I have in the due
5	diligence and professionalism. And all of you even
6	have really worked together well as a team.
7	And it's really nice to feel that you
8	have really, really good ability to have thoughtful
9	analysis, to try to work hard at working with the
10	different parties, who may have very different
11	opinions, and to try to get the best work product out
12	there in a way that is sound.
13	And I just really thank you, it's not
14	just this case, but it strikes me that this was a
15	really hard case.
16	A.L.J. LECAKES: And thank you,
17	Commissioner, we really appreciate that.
18	COMMISSIONER BURMAN: So this this
19	for me, is one that I will be supporting while
20	recognizing the huge challenges because it is a huge
21	pain for there will be pain. It's a huge rate
22	increase. And, you know, outside seeing sort of all
23	the other things that are outside of the rate case,
24	it's not going to be easier for folks.
25	And, you know, I I kind of look at

	Page 138
1	7/20/2023 - Monthly Meeting
2	this as we have an obligation as a Commission to
3	recognize the challenge and the goal of New York
4	State Energy policies to balance reliability,
5	environmental sustainability, safety, and the cost of
6	energy supply to meet the needs and demands of
7	consumers and to support the growth of our State's
8	economy.
9	And that has really been a laser focus
10	for me, especially, as we then look to what this
11	means when we have the rate cases. And we have to be
12	mindful as we move forward with system reliability,
13	safety, resiliency and ensuring that we're properly
14	and appropriately maintaining and modernizing the
15	grid for the safety and reliability of customers.
16	And we have to look at it with policy
17	considerations that are there. And looking at the
18	order, the draft order and listening, I come back to
19	what is our responsibility and the three prongs of
20	the Commission's settlement guidelines, which
21	established the criteria.
22	And the first is, striking a balance
23	between protecting the utility's customers, providing
24	fairness to investors, and enabling the long-term
25	ability of the utility to provide its essential

Page 139 7/20/2023 1 Monthly Meeting services to customers who rely on that service. 3 I have no doubt looking at it that as a whole that 4 prong is met. Then, the second is to be consistent 6 with the environmental, social, and economic policies 7 of both the agency and the State. And while I may quibble on some of the things that are in there and 9 disagree with perhaps some of the policy direction, I 10 recognize the soundness of it being consistent with those policies. 11 12 And also, trying to fit it within the 13 appropriateness of moving forward in the transition 14 of that. And then, the third is, it produces a result consistent with the range of possible outcomes 15 16 through a fully litigated proceeding. And I -- I 17 take pause there for -- for a moment. 18 I think it does, but I struggled a 19 little bit, because there were a number of parties 20 who seemed to take exception to it in that, you know, 21 being sort of focused on that thinking that the 2.2 settlement process is one that is not fair. 23 The settlement process being one that 24 they would probably see it as not meeting the third 25 prong of being consistent with the range of possible

	Page 140
1	7/20/2023 - Monthly Meeting
2	outcomes through a fully litigated proceeding. And
3	kind of looking at that and and and sort of
4	trying to wrap my head around that.
5	And the Chair talked a little bit
6	about not everybody, you know, negotiations not
7	everyone's if everybody's I forget exactly, but
8	a little bit of not everyone's happy, so maybe every
9	it's the fairest, right.
10	And there's certain different issues
11	and trying to be give and take. Over the years,
12	we've seen sort of a newer folks come into the
13	settlement process, newer folks coming into the rate
14	cases, different entities, different focus.
15	And so it is important for us to
16	ensure that the process is fair, to ensure that we
17	are working with everyone to help them understand the
18	rate process and the settlement guidelines, and
19	and how we get from here to there.
20	And there is a certain timeline and
21	that has to get done. Not lost on me I think there's
22	about a six month make-whole provision, which does
23	have a dramatic impact on costs that have to get
24	baked then in after the Joint Proposal.
25	So I did ask staff prior, right, prior

Page 141

7/20/2023 1 Monthly Meeting to the session, to give me their best guess on, you 3 know, when some of the parties who have opposed the 4 proceeding perhaps have they always opposed rate cases, have they ever supported a rate case knowing 6 that, you know, there was -- it'd be different for a 7 little bit and their general recollection, which I think is a correct one. 9 AGREE New York signed on to NYSEG gas 10 and RG&E gas in the 2019 rate case and signed on to Central Hudson's J.P. in the 2020 rate case. 11 signed on to Central Hudson's J.P. in the 2020 rate 12 case and the 2017 rate case. 13 14 PULP also signed the O&R Gas J.P. in -- that was in case 18-G-0068. Sane Energy has never 15 16 But it's important to note that they signed on. 17 never got involved in rate cases until the 2019 18 KEDNY case. And A.A.R.P. has signed in the past, but 19 they tend to only become a party to maybe one third 20 of active rate cases. 21 And they generally only get involved 2.2 in the Con Ed and KEDNY, KEDLI cases. And that's 23 been for about the past decade or so. So -- so why 24 is this information important? Because I do think 25 that the rhetoric around that the process is unfair,

Page 142 7/20/2023 1 Monthly Meeting is one that we need to be very cognizant of, but 3 also, pushback when it's an unfair characterization. 4 I do think that the process, like any process can always be improved. I do think that there is a significant due diligence on the part of the A.L.J.s to ensure that the process is fair. I do think that in this case, while there may be 9 parties who are opposed to it, they're opposed to it, 10 perhaps on substantive reasons. But I don't think it is the fault of 11 the procedural process. In fact, I think the 12 13 procedural process has been very sound. And I -- and 14 I raise this not to diminish the frustration with the parties who are opposed. I think that it's healthy 15 16 to -- to, you know, raise up your voice. 17 And I think it's -- it's helpful to us 18 both process wise and substantively, but I raised 19 that because we have to meet the prong of, is the 20 result consistent with the range of possible outcomes 21 through a fully litigated proceeding. 22 And if the process was deemed unfair 23 by us, that prong wouldn't be met. And I raise it 24 more as a -- I think we need to take note of that. 25 will say that for sometimes, if -- if every party who

	Page 143
1	7/20/2023 - Monthly Meeting
2	supported it always supported it, right.
3	If across the board, you only had,
4	you know, all ten people who were participating
5	always supported it, you might need to look at what
6	that is, right. Now, we also look when we only have
7	a proceeding where only staff and the company is
8	supporting that because that's something that we have
9	to look at, right.
10	So information on who supports it and
11	opposes it, actually goes into our deliberative
12	process after the J.P., because I think it's for us
13	to weigh what some of those concerns were
14	substantively to see about the soundness of the Joint
15	Proposal.
16	So even if you oppose the Joint
17	Proposal, I feel like your voice is heard. You may
18	not, even if we support the Joint Proposal, it does
19	you know, obviously, I can understand a party who's
20	opposed to it being upset by that.
21	But we did carefully evaluate your
22	concerns and also look to what this means going
23	forward. So the rate case and the decision is not
24	then the end of your concerns, it may be the end in
25	terms of for the the rate itself, but some of the

	Page 144
1	7/20/2023 - Monthly Meeting
2	very issues you may have, are actually looked at and
3	other things as well.
4	So I don't know if that is helpful.
5	But for me, it's important. And, you know, I will
6	pause, in case you have any thoughts to that but.
7	A.L.J. LECAKES: I'll just say, first,
8	that I really want to thank Judges Moreno and
9	Costello, for their professionalism and their
10	dedication throughout this proceeding. And I I
11	say that about all the Judges, I have the utmost
12	regard for all the A.L.J.s in our office and that we
13	all appreciate the seriousness with the matters that
14	come before us.
15	And we show all the due care, respect,
16	and fairness to all the parties that the Commission
17	expects of us under the Public Service Law, the
18	Office of Hearings is designated by the Chair to
19	represent, to stand in the place of the
20	Commissioners, to manage the litigation matters that
21	come before the Commission. And there is a lot of
22	trust in that from the Commission.
23	And we honor the trust that you put in
24	us to manage that and and try to approach things
25	with that mind. I think we often run into parties

	7 1.45
1	Page 145
1	7/20/2023 - Monthly Meeting
2	who misunderstand that while they're free to make all
3	of the claims that they want in a case that comes
4	before us that the Commission's regulations with
5	regard to hearings, just ensure that those claims are
6	fairly vetted and fairly heard.
7	But it doesn't entitle an outcome that
8	necessarily is favorable to them. And that goes for
9	both settlement agreements and compacts that are
10	provided to us, as well as as litigated outcomes.
11	The last rate case that went fully litigated, that
12	ended up with a recommended decision was the 2016
13	National Fuel gas rate proceeding. We've had a
14	couple of fully litigated cases since then, but
15	instead of having a recommended decision, they went
16	straight to order.
17	But if you look at that 2016 rate
18	case, you can see where the process of a recommended
19	decision allows the Administrative Law Judge to put
20	into words on paper, the evaluation of all the claims
21	that are being made and why logically, you know, the
22	thought processes behind what gets credited and what
23	doesn't.
24	And while that's in some of the orders
25	that didn't get presented to the Commission, I think

Page 146 7/20/2023 1 Monthly Meeting that that middle step often gets lost. And we don't produce recommended decisions in Joint Proposal 3 4 situations. And it's often because we wanted to get the Joint Proposal decided sooner rather than later. 6 But I -- I don't know other than 7 saying it how to try and assure these parties that they are given a fair hearing on all of the claims 9 that they bring forward, we take them seriously. And 10 we consider whether their input can change the recommendations that we make. 11 12 And again, we provide the parties with the Commission settlement guidelines, every time the 13 14 parties go into settlement negotiations. abide by those, and we follow those. And -- and we 15 16 give them the process that the Commission requires us 17 to. 18 COMMISSIONER BURMAN: Thank you for 19 Then I just have two sort of questions, one that. 20 is, in -- before, in item 203. We made some 21 decisions related to E.A.M.s. And in this Joint 2.2 Proposal, there's a number of E.A.M.s that encourage 23 the company to deliver beneficial outcomes. 24 Electrification, energy efficiency, 25 and heating of buildings from both electric and gas,

Page 147

	Page 147
1	7/20/2023 - Monthly Meeting
2	increasing the megawatts of demand, reduction in
3	demand response programs, accelerating light duty
4	electric vehicle adoption, reducing average company
5	timelines for interconnection, and transportation
6	electrification projects, working with solar D.E.R.
7	and expanding the use of solar D.E.R., supporting
8	installation of customer sited energy storage, and
9	developing an E.A.M. for managed charging over the
10	next two to three months.
11	How does this align with item 203,
12	which takes a pause on the E.A.M.s, going forward?
13	And I I don't know if it's for the A.L.J.s or I
14	know, you know, I don't I don't want to put anyone
15	in uncomfortable spot but.
16	A.L.J. MORENO: Okay. I think that
17	certainly a lot of deliberation went into looking at
18	the two items together. And the Joint Proposal
19	included E.A.M.s that were designed to reward
20	behavior that was going beyond standard fare.
21	And also the rate plan goes through
22	2025, the emphasis in the E.A.M. order looks beyond
23	that point. So I guess with any further nuances to
24	that perhaps I could turn to Kevin Manz.
25	MR. MANZ: Yeah. So one of the

	Page 148
1	7/20/2023 - Monthly Meeting
2	nuances would be that in the in item 203, those
3	E.A.M.s were specific to those that are energy
4	efficiency and building electrification related, not
5	not E.A.M.s across the board, just just kind of
6	those specific topics.
7	And I would echo the Judge Moreno's
8	point that item 203 is putting a pause on anything
9	new, that would come up and likely extend beyond that
10	2025 timeframe. If there were a Joint Proposal that
11	was multi year, it would go beyond that.
12	So this pause from 203, is really kind
13	of related to an older vintage of the E.A.M. in
14	energy efficiency and building electrification, of
15	which this particular Joint Proposal does not include
16	this for E.E. and B.E. The E.A.M.s are of a
17	different design.
18	COMMISSIONER BURMAN: Okay. Thank
19	you. I think that's important. I do think that,
20	sort of my kind of looking at it and and going
21	back and forth over it, I'm comfortable in that the
22	203 item one is not saying no to E.A.M.s and is also
23	looking at it post 2025.
24	But I also think that in here, in
25	in this Joint Proposal that that's before us, it's

Page 149 7/20/2023 1 Monthly Meeting also about, you know, it's somewhat aligned with the 3 messaging in the 203, related to delivering deeper 4 savings, right. And not just, you know, I wouldn't say sharing the road but sharing the savings. 6 So from that, I think it's important, 7 this obviously will impact other, you know, Joint Proposals that are out there, as well, because the 9 order makes clear, it's for those that are entered 10 into after the fact. 11 So to the extent that we're looking at 12 that, I think that's important. Okay. So thank you 13 for clarifying, that's -- that's helpful. The other 14 issue is, there's a focus on, rightfully so, that there's been in under subscription in energy 15 16 affordability programs. 17 Now, my understanding is that, you 18 know, we are leaning in more in terms of trying to 19 get more folks signed up on, energy affordability 20 But it's not just a New York issue. 21 in fact, you know, there has always been a need to do 2.2 all we can from an education and outreach perspective 23 to increase the reach of our low-income energy 24 programs, whether in New York or nationwide.

25

And there's a lot of research being

Page 150

7/20/2023 1 Monthly Meeting done in terms of how to do that in a way that helps 3 address some of the challenges there. So I just wonder if we feel comfortable that it's being 4 addressed or will be addressed sufficiently in this 6 Joint Proposal and some of the -- the directives that 7 that are there to -- to really increase that customer outreach, and I see. 9 A.L.J. MORENO: Yes, I think so. It -10 - the Joint Proposal includes provisions to conduct 11 on a quarterly basis, the file matching procedure. 12 And there's also additional provisions included in 13 the Joint Proposal that would kind of put a check on 14 that system to ensure that it's working as designed 15 and that there are not any problems with that 16 process, so that the reporting with regards to the 17 file match process will come into the E.A.P. reports 18 that it conducts. If there are any issues, there's a 19 required reporting to the parties in the case to 20 advise of that. 21 So I think that from the record that 2.2 we have before us and what's included in the Joint 23 Proposal, it appears that the program and the checks 24 that are involved in the -- in the Joint Proposal and 25 requiring also of the company to have more internal

	Page 151
1	7/20/2023 - Monthly Meeting
2	controls over that process, I think, indicates that -
3	- that any problems that may have experienced in the
4	past with regards to enrollment, that there are new
5	checks in place to ensure that those problems do not
6	arise again.
7	COMMISSIONER BURMAN: Thank you.
8	A.L.J. MORENO: And I don't know
9	whether Aric
10	COMMISSIONER BURMAN: Thank you.
11	A.L.J. MORENO: might have anything
12	further. Absolutely.
13	MR. RIDER: Can you hear me? So just
14	a couple of facts for you to to consider. Over
15	the last year Con Ed's enrollment has in E.A.P.,
16	has increased by about nine percent.
17	In June of 2022, enrollment was
18	440,000 participants and that has increased to
19	479,000. And though that the increases are really
20	due to our work in phase one, where we encouraged
21	customers to enroll in the E.A.P., and they could get
22	a arrears relief.
23	We also worked on additional outreach
24	and education in those forums. And we also developed
25	self-enrollment processes Statewide, so that

Page 152 7/20/2023 1 Monthly Meeting customers could take advantage of that enrollment to 3 E.A.P., so enrollment is going up at Con Edison. 4 And I would also say that enrollment is a Statewide issue. It's not a Con Ed issue, it's 6 a Statewide issue. And in the Energy Affordability 7 Policy Working Group, we're actively working to identify what the universe of energy affordability 9 participant should be and ways to improve enrollment 10 moving forward. 11 COMMISSIONER BURMAN: Thank you. 12 appreciate that. It also is something when I'm 13 looking at this, that I recognize that a lot of the 14 rate increase is due to things outside of the control of the company itself, whether it's State mandated 15 16 policies or other local mandates. 17 And so, you know, that's something 18 that we need to be mindful of, especially as we look 19 forward in other clean energy policy initiatives and 20 understanding that, you know, the upward trend and 21 the cost impacts are going to grow and increase. 22 And as we see from the New York 23 I.S.O., power trends and Star Report and NERC and 24 other things, you know, the reliability issues are 25 paramount for us to really get a handle on and

	Page 153
1	7/20/2023 - Monthly Meeting
2	understand, especially in the New York City
3	footprint, the significant challenges that are there.
4	So anyway, so I thank you. I
5	appreciate I think the overall draft order that's
6	before us and I will be voting yes. Thank you.
7	CHAIR CHRISTIAN: Thank you,
8	Commissioner. Commissioner Alesi.
9	COMMISSIONER ALESI: Thank you, Mr.
10	Chairman. I'm going to applaud this effort. It's
11	not easy, everybody wants the most they can get and
12	give the least they can give. But I think that our
13	history in this room and related kinds of
14	circumstances tells us that compromise is probably
15	the best way to get something done.
16	And this is a compromise, it's an
17	agreement. So this agreement does, I think satisfies
18	first and foremost, the public interest in knowing
19	that they are going to have reasonable amount of
20	charges for the goods and services, not an exorbitant
21	amount, but a reasonable amount provided by the
22	business that needs that income so that it can pay
23	for the things that it provides.
24	And that also includes paying for, in
25	the cases where labor is unionized, paying for those

2.2

Page 154

7/20/2023 - Monthly Meeting
agreements. But again, all of that leads to a
stability, you have all kinds of agreements between
everybody. And that's good. That's a solid thing
for a three-year period.

People can rest easy, while they're complaining about not getting enough and paying too much. But the fact of the matter is, nothing is perfect. This will keep the utilities alive, it will keep the employees alive, it will, no pun intended, it will keep the ratepayers alive.

And even some of the investors might enjoy three more years of life, if they're satisfied with the returns that come to them. But everybody should feel confident in this because goods and services will continue to be produced in a workplace and in a stable workplace.

And that's good for those people that do work. The outcome we'll put most likely will be a good outcome. There's some satisfaction and some security knowing that when you have a multi-year agreement, that you also have a certain amount of security involved in knowing that when you go to work for which you get paid, your job means something, you do your job.

	Page 155
1	7/20/2023 - Monthly Meeting
2	The same amount of security that when
3	you flick on the switch when you're paying your bill
4	that the lights will come on, simple things that you
5	don't think about. So what am I driving at here,
6	nobody wants to pay more, nobody wants to work
7	harder, nobody wants to buy goods and services that
8	are more expensive, but everybody wants what this
9	kind of a deal will produce.
10	And that's what's going to happen
11	here. It will also, to some extent, be a benchmark
12	for other rate case increases that are standing on
13	the hilltops right now, ready to roll into this room.
14	So I think that it's a good agreement.
15	I think it makes a statement for a
16	very large organization that it will be able to do
17	what it says it's going to do to satisfy the people's
18	needs. And I think that the other utilities that are
19	coming down the road will recognize the strong
20	philosophy and the strong willingness to have a
21	meaningful debate that produces a meaningful product.
22	That's what they should be looking at
23	when they come into the room. So that's my overview
24	and I'll be supporting it with my vote.
25	CHAIR CHRISTIAN: Thank you

	Page 156
1	7/20/2023 - Monthly Meeting
2	Commissioner. Commissioner Edwards.
3	COMMISSIONER EDWARDS: Yes. Thank you
4	very much. I have two questions. The first is, I'm
5	not sure if the A.L.J.s heard my question, in the
6	prior discussion about the 14 million cost recovery
7	and if that was somehow reflected in this rate case.
8	I think Bob answered it in Part, I
9	just want to see if either one of you have any other
10	comments.
11	A.L.J. MORENO: I will turn to Tim
12	Canty for assistance with this.
13	MR. CANTY: So the the amounts
14	shown on that slide, those specific costs are not
15	included.
16	SECRETARY PHILLIPS: Can you please
17	speak up and turn on your mic.
18	MR. CANTY: So that slide is related
19	to 2022. So those specific costs on that slide were
20	are not included in this rate case, but there are
21	C.L.C.P.A. costs that are what we're looking that are
22	included in this case.
23	So these are cumulative numbers,
24	energy efficiency about \$189 million over the three-
25	year period. Smart charge, \$1.6 million over three-

	Page 157
1	7/20/2023 - Monthly Meeting
2	year period. E.V. make ready 6 million dollars over
3	the three- years. And on gas side, \$47 million over
4	the three years for energy efficiency.
5	COMMISSIONER EDWARDS: So if that
6	so if the 14 million is reflected in 2022. And if
7	this is a forward looking rate case, what happened
8	with those dollars, like, where was the cost recovery
9	allocated?
10	MR. MANZ: So those costs would have
11	been collected in 2022 under the previous rate plan.
12	COMMISSIONER EDWARDS: Under the
13	previous rate plan.
14	MR. MANZ: Or the the current rate
15	plan, I guess.
16	COMMISSIONER EDWARDS: Okay. I
17	guess, okay.
18	MR. MANZ: I I'll clarify some of
19	that, is that so that's the portion that were in -
20	- in base rates of that 14 million, not all of those
21	are collected through base rates but some are through
22	surcharges.
23	COMMISSIONER EDWARDS: Okay. All
24	right. So A.L.J. Costello, can I just ask you, since
25	you preside over these deliberations, when the

	Page 158
1	7/20/2023 - Monthly Meeting
2	initial submission comes in from Con Ed with the
3	revenue requirements, can you just talk a little bit
4	about what is the process so what what happens and
5	if you could just step me through that a little bit
6	on what is done with that.
7	Because the initial submission, using
8	your words, came in at rate year one with a let me
9	just go back to your original comment, hold on one
10	second. For the electric electric side, it was a
11	17.6 increase and on the gas side, it was a 28.1
12	increase in delivery or 18.2 increase in total
13	revenues. So once that comes in what happens next?
14	A.L.J. COSTELLO: After that they have
15	an opportunity to file corrected and updated
16	testimony, which can modify that those numbers
17	somewhat and I think they modify them downward a bit.
18	Then staff and all the parties, but staff especially,
19	does a complete review of all of the programs that
20	are being proposed.
21	They do a bottoms up review too, and
22	then, determine what things are appropriate and
23	necessary. And they come back, and they put in
24	testimony and exhibits, supporting what they believe
25	is is appropriate and necessary for one rate case.

	Page 159
1	7/20/2023 - Monthly Meeting
2	During the during the evidentiary
3	period, it's all about the one rate case and so then
4	the utility has an opportunity to submit rebuttal
5	testimony and exhibits agreeing or disagreeing with
6	staff. And then, from there when they go into
7	negotiations, that's those are the the the
8	limits that we have, that people are looking at, that
9	they can negotiate with.
10	And I'm going to also give somebody
11	else an opportunity to give maybe a more detailed
12	explanation but that's generally the process that's
13	involved.
14	COMMISSIONER EDWARDS: Okay. Does
15	anybody else want to say anything before I continue?
16	A.L.J. MORENO: Before, I guess, we
17	look to advisors, staff from other offices. I would
18	just also add that the process that comes before us
19	is the final working product of each of the parties
20	to the case.
21	So while D.P.S. trial staff may be
22	reviewing all of that information and creating their
23	case, what we see from the bench is the final product
24	that gets filed the pre-filed testimony in the
25	case. So certainly another member of senior staff

	Page 160
1	7/20/2023 - Monthly Meeting
2	can talk to maybe more, in more detail about what's
3	involved in the D.P.S. trial staff review.
4	But from our perspective, what we see
5	coming in is as Judge Costello mentioned, the initial
6	rate filing followed by an update during that period
7	of time, all of the parties are conducting discovery
8	and further investigating the filings of the company
9	so that they can develop their case to put forward
10	for the record.
11	A.L.J. LECAKES: And Director Hogan,
12	do you want to
13	MR. HOGAN: Okay.
14	A.L.J. LECAKES: talk about the
15	Commission's policy on historic test year?
16	MR. HOGAN: Sure, I'll I'll address
17	that. And I think that references A.L.J. Costello's
18	you mentioned, bottoms-up approach. And so
19	regardless of what the company files, regardless of
20	the size of it's increased request, what staff is
21	looking at, it starts with a historic test year, a
22	historical test period with the actual numbers, and
23	then, it forecasts. I apologizes with the is it
24	possible to close that door. It's coming from there.
25	Okay. So I hear myself two seconds

	Page 161
1	7/20/2023 - Monthly Meeting
2	after the fact, it's a little distracting. We start
3	with historical test year. Is there a way to
4	COMMISSIONER EDWARDS: Listening to
5	you twice is always good.
6	MR. HOGAN: Most would say they still
7	don't understand it after that, but it keeps me
8	employed. So we start with historical test year, we
9	have we have actual costs that the company has
10	incurred. And so we then forecast what during the
11	rate year the costs are going to be.
12	And to do that, we will often look at
13	what inflation is going to be for some cost elements,
14	we'll look at what program changes are being
15	designed. We'll look at what debt costs are expected
16	to be in the future.
17	All of this leads to a forecast of
18	what total expenses are going to be; a bottom up
19	approach, labor, amount of capital investment. Mike
20	Reider could speak better to this, but there's a very
21	rigorous process we do to investigate what the
22	company is doing in terms of capital improvements.
23	And so staff will, I'll say sharpens
24	pencil and make adjustments to what has been
25	requested in terms of capital investment, that's

Page 162 7/20/2023 1 Monthly Meeting going to impact how much return is required, how much 3 depreciation expense there is. 4 All of these elements are worked on, leading to a cumulative dollar amount for the rate year that staff thinks needs to be recovered by the company. Again, a bottoms-up approach. That's -that's independent from what the utility files, and 9 then, staff's adjustments are based on the delta 10 between what the company filed and what staff has 11 filed and, of course, other intervenors weigh in 12 often on the level, definitely not a level of detail 13 I just mentioned on individual elements, but they do 14 weigh in on certain costs, certain projects, et 15 cetera and all of that finds it's way into the 16 settlement process as well. 17 COMMISSIONER EDWARDS: Thank you. 18 I -- I want to make sure I make a couple of points. 19 One is, I think, that the staff and the -- the Judges 20 do a tremendous job in the settlement negotiations. 21 I can't say enough about all of the hard work that 2.2 all of you have put into this. 23 So I want to make sure that my -- my 24 comments now are not taken in any way to be a 25 reflection on the team. I have a tremendous concern

Page 163 7/20/2023 1 Monthly Meeting about the structure and the process. Because we do 3 have a responsibility for balance. 4 Our economy is improving, we've just 5 went through a budget process for the State that I 6 think was responsible and sound. However, you know, 7 people are still rebounding. And although that we're on a rebound, there are families that were already 9 behind. So they are rebounding, but they are not 10 getting ahead yet. 11 So my biggest concern that I just cannot get past, I cannot get past is that the 12 13 starting point that the utility put in here is to ask 14 a typical family to have a monthly bill increase as a starting point on the electric side of 13.1 percent. 15 16 And on the gas side is 15 percent. 17 -- I just cannot get past that because I hear you 18 that the staff is doing a bottoms up. But I also 19 heard that there are adjustments that the staff and the process is looking at what the company submitted, 20 21 that the company is then given an opportunity to 2.2 rebut. 23 So although there is a bottoms-up, I 24 cannot get past that the company originally is asking 25 for way too high of an amount to then get to this end

Page 164 7/20/2023 1 Monthly Meeting result. And unfortunately, rightfully, or 3 wrongfully, I believe that if they had come in at a 4 much more just and reasonable initial starting point, we could somehow have had a even better result. 6 That's my view. 7 We have tremendous things that we have to balance especially with our priorities with 9 C.L.C.P.A., which is critically important. So we have to balance what are all of the other investments 10 that have to be made. 11 12 And, you know, in simple terms, just 13 in simple terms, I tried to think of an analogy. And 14 the only thing I can come up with is that when I used to ask for stuff with my parent's, Commissioner, I 15 16 used to ask for a whole bunch of stuff. 17 Thinking that I get some of it, I'll 18 get some of it. So I asked for everything. 19 then, the negotiation starts between myself and my 20 parents, and then I would get something. And that's 21 what I just cannot get out of my head. That I don't 2.2 understand why a utility, in this day and age, would 23 put on a table an original submission of 15 percent, 24 of 13.1 percent. 25 I -- I just can't -- I don't -- I

Page 165 7/20/2023 1 Monthly Meeting don't get it. I just -- I just don't get it. don't understand the world that they are living in. 3 4 I just, I don't. So it's probably better that they don't hear me because I'm going to get worse as I go 6 on. 7 But listen, I -- I want to start where -- I want to end where I started. I truly believe that the A.L.J., the Judges, the staff, you did every 9 10 -- I can't think of something else you could have done. So if the question is, what else that we could 11 have done, I don't think that you could have done 12 13 anything better than what you are doing now. 14 My core issue with this is we have to 15 change what this process is because the starting 16 point and that has to be on the utility, cannot be on 17 The starting point of putting in a submission 18 and asking for customers to pay this amount 19 initially, to get to the end result of where we are 20 now. 21 I believe that if they had done a 2.2 better job at their starting point, we would have had 23 a better result. That's where I am. So I don't know 24 if anybody wants to have any comments, but that's 25 where I am.

Page 166 7/20/2023 1 Monthly Meeting A.L.J. MORENO: Commissioner, not --3 not with respect to your opinion. But just a 4 clarification on the process is that --COMMISSIONER EDWARDS: Uh-huh. 6 A.L.J. MORENO: -- I just wanted to distinguish the work of D.P.S. trial staff versus the work of myself and Judge Costello in that we're 9 presiding over the case. And D.P.S. staff is among 10 the various parties that participate. But when the parties enter into 11 12 settlement, it is a confidential process. And so we 13 see an end product coming out. So I just -- I just 14 wanted to distinguish that, that to acknowledge that we're not involved in the negotiations or part and 15 16 parcel to it. We are reviewing that document when it 17 comes in and ensuring that all parties have an 18 opportunity to be heard with regards to the proposal 19 that was reached by the parties. 20 COMMISSIONER EDWARDS: Okav. 21 Judge Moreno, it is correct, though, that when the --2.2 when Con Edison submits their initial proposal, you 23 make sure that the back and forth that happens, but 24 it is based on the starting point of their original 25 proposal, that does start the process, correct?

	Page 167
1	7/20/2023 - Monthly Meeting
2	A.L.J. MORENO: Sure. The rate filing
3	begins the process of review and is the beginning of
4	the case, so to speak, is when they come in and file
5	that document in the rate request. And at that point
6	in time, that that's when the parties come into
7	the process and and those different parties have
8	the opportunity to scrutinize the filing, ask lots of
9	questions, to better understand what's being proposed
10	and the justifications for it.
11	And that's what informs the process
12	for D.P.S. staff and other parties, informing their
13	cases.
14	COMMISSIONER EDWARDS: Okay. So there
15	was a document that Con Edison initially put in, that
16	said that they are in fact requesting a gas annual
17	delivery revenue increase of 28.1 percent. And a
18	electric of 17.6 percent delivery.
19	And the monthly bill increase if that
20	had been, that was the starting point was average,
21	13.1 percent on the electric side and 15 percent
22	monthly bill increase on the gas side.
23	A.L.J. MORENO: That is correct, yes.
24	COMMISSIONER EDWARDS: Okay. I have
25	no further questions.

	Page 168
1	7/20/2023 - Monthly Meeting
2	A.L.J. LECAKES: And Commissioner, we
3	appreciate your position on this. But we thank you
4	for your recognition of the work that both the
5	A.L.J.s and and the staff trial team do in these
6	cases. Thank you.
7	COMMISSIONER EDWARDS: No, thank you,
8	because I don't want my position in any way to be
9	interpreted as a criticism of all of the work that
10	all of you have done in any way.
11	A.L.J. LECAKES: And we don't take it
12	that way. Thank you so much.
13	COMMISSIONER EDWARDS: Okay.
14	CHAIR CHRISTIAN: Thank you,
15	Commissioner. We'll move on to Commissioner Howard.
16	COMMISSIONER HOWARD: Thank you. This
17	is my second Con Ed case as a Commissioner. I just
18	first want to say is there are things that we deal
19	with the department that the department does. And
20	this is what we do best. Rate cases, line by line
21	analysis, back and forth with the company, hundreds
22	of thousands of pages of testimony, charts, graphs,
23	everything from the union review, the union contract,
24	commodity purchases by the company, you name it, it's
25	all scrutinized, penny by penny.

	Page 169
1	7/20/2023 - Monthly Meeting
2	But I want to ask some questions about
3	the things that weren't talked about in this case.
4	Why weren't they talked about in this case, because
5	it is the case and the department have no control
6	over. And the first thing is in it's and it's
7	taxes, taxes.
8	And particularly, the very unique and
9	I would say, well, I'll hold my comments for what I
10	think later. But if somebody can, can we start with
11	this thing, a third of the increase of the request
12	was related to property tax increases, correct?
13	MR. CANTY: It's a third of the
14	increase over the course of the rate case.
15	COMMISSIONER HOWARD: Over the course
16	of the rate case.
17	MR. CANTY: And on the electric side.
18	COMMISSIONER HOWARD: Right. So on
19	the electric side, we start negotiations with a third
20	off the table. So a third of the money is just not
21	even there. We can't it's not part of the
22	negotiations. So what we have seen is at the end
23	from the request to now, the halving of the request,
24	was halving of the two thirds that roughly two thirds
25	that was left that we could negotiate.

	Page 170
1	7/20/2023 - Monthly Meeting
2	And there were other mandated charges
3	there. But well, it's up for generous I will say two
4	thirds of the case is what we was we could talk
5	about and what the negotiations and the settlement
6	was about. So the things that are in there, just
7	another question in terms of New York City.
8	In the out years of this, are we
9	projecting that the levy stays flat? And what would
10	happen if the property tax or any other tax levy was
11	increased during the period of this settlement?
12	MR. CANTY: Yeah. I believe we did
13	forecast it to be flat, and the growth is due to the
14	increase in plan for the out years.
15	COMMISSIONER HOWARD: However, that
16	doesn't mean it's going to be flat. If the city
17	council, in their wisdom wants to raise that levy,
18	that that is, again, outside, whatever happens in
19	this case, correct?
20	MR. CANTY: That's true.
21	COMMISSIONER HOWARD: And at the same
22	time, on the other side of that coin, should in their
23	wisdom, they want to decrease levies, how would that
24	be how would that effectuate itself?
25	MR. CANTY: So if they decrease the

	Page 171
1	7/20/2023 - Monthly Meeting
2	tax rate?
3	COMMISSIONER HOWARD: Correct.
4	MR. CANTY: Still, property tax
5	expense will go down but we have a reconciliation
6	mechanism for property taxes. So most of that money
7	would go back to customers.
8	COMMISSIONER HOWARD: So bills, would
9	they reduce the levy?
10	MR. CANTY: Uh-huh.
11	COMMISSIONER HOWARD: And bills go
12	down?
13	MR. CANTY: Yeah. They would defer
14	that for the benefit of ratepayers.
15	COMMISSIONER HOWARD: Okay. You know,
16	I have a copy of a letter that was signed last week
17	by the New York City Council, 36 members, New York
18	City Council, they're crying and asking us to reject
19	this settlement proposal.
20	And one of the phrases, we are
21	confident Con Ed could afford to afford to forego
22	a runaway revenue increase. During the recently
23	passed New York City budget, which I followed
24	relatively closely, there was no debate, no debate on
25	the property tax levy and other associated levies

	Page 172
1	7/20/2023 - Monthly Meeting
2	that the City of New York charges Con Ed ratepayers,
3	none.
4	There weren't amendments, there was
5	nothing. So which is roughly, can you just remind me
6	how much of this, of an average bill, Tim, is is
7	just that property tax number?
8	MR. CANTY: So on the electric side,
9	it's about 21 percent and the gas side about about
10	15 percent.
11	COMMISSIONER HOWARD: So and I I
12	agree that there are many, many folks who are in a
13	terrible affordability crisis. And to a person, the
14	elected officials, both in the city council and the
15	State legislature, all asked for us to reject this,
16	the settlement.
17	Not one suggested, well, we could be
18	part of the of the of the process to get bills
19	lower, we could lower people's taxes, taxes, by the
20	way that you don't see enumerated in the bill, that
21	21 percent there's no line 21 percent property taxes
22	to New York City.
23	It's not there. It's for those that
24	required said, the hidden cost, they made reference
25	to the hidden cost of the return on equity to to

Page 173 7/20/2023 1 Monthly Meeting shareholders, that was hidden. I would suggest that 3 this was a bigger hide, you needed a bigger place to 4 hold to put this down and not talk about it. And we also, it's important to 6 understand how property taxes are done in New York 7 The City of New York can't unilaterally and did not unilaterally put in a four-tier property tax 9 They had to pass a home rule in the city system. 10 council, then it had to go to the State legislature 11 for approval of that home rule that would allow this 12 property tax system to be implemented. 13 So it's not just the folks who 14 ultimately produce the annual levy. It's also the enablers in the State legislature that allow that tax 15 16 to be implemented in the current way on the front 17 So again, it is -- it is awful. end. 18 And the back of the envelope 19 calculation I have, if I'm a typical Con Ed rate 20 payer who is a electric and gas heating customer, at 21 the end of this rate year, at the end of this rate 2.2 case, nearly \$1,000 a year, \$1,000 a year will go to 23 the City of New York and taxes and to some extent, 24 Westchester, a \$1,000. 25 I submit that if the city council and

2.2

Page 174

1 7/20/2023 - Monthly Meeting
2 the State legislature were really concerned about
3 affordability, they could act today. As a matter of
4 fact, I would hope they would come in tomorrow and
5 change the levy.

And then we could work on how we get that money back to ratepayers. They could do it retroactively and credit rate payers and credit the company. Because anybody who believes that this somehow, we're going to tax Con Ed and those -- and the shareholders pay, no.

These are taxes that ratepayers pay, the shareholders they pay their taxes in a different way, but not through the bill. Ratepayers pay the taxes through the bill. It is just onerous, and it has to stop. If we were here today, saying the City of New York decides in their wisdom, they want to tax the Con Ed the way the city of Buffalo taxes National Grid.

We would be celebrating double digit rate decreases, decreases. So and the other aspect of this, which I find the most pernicious and I think is going to be really telling going forward. The company has been very upfront about their estimates on what it will cost the company in terms of capital

Page 175 7/20/2023 1 Monthly Meeting spending to meet the C.L.C.P.A. mandates, been very 3 upfront about that. 4 They indicated that the current electric cap -- CapX spending of nearly \$3 billion 6 will need to go to \$10 billion. But we'll debate 7 about that, and we'll see when it comes. But what won't change is that for every new dollar they spend 9 on real property and CapX to expand to the electric 10 system, there is an un -- boomerang of even greater 11 revenue to the City of New York for that expensive --12 for that expense. 13 So as we clean up the environment, we 14 put in this automatic enrichment to the City of New 15 It is preposterous. We can stop. If we can't 16 stop going -- looking back, we certainly can stop 17 going forward and not try to penalize ratepayers for 18 doing -- for merely paying their bill at -- and the 19 company for meeting the mandates under our climate 20 law. 21 It is -- it is beyond -- it is just 2.2 makes me, it vexes me. And by the way, there is no 23 utility in the United States of America that comes 24 close to this tax levy, not even close. There is no 25 utility in the State of New York, except for some

Page 176 7/20/2023 1 Monthly Meeting water companies in Long Island that come even close 3 to this sort of onerous, onerous tax levy. 4 And the irony is, when I asked personally members of the city council or members of 6 the State legislature, how much do you think Con Ed 7 the City of New York takes out of Con Ed every -- on your bill, oh, five percent, six percent. 9 When I tell them, it's like in excess 10 of 25 percent, they go no, that's not possible. 11 absolutely is possible. It happens every day. 12 that's -- we could do something about that. 13 those elected officials are deeply concerned and 14 really concerned about affordability, then do 15 something. 16 Also remember that utility bills are 17 the least progressive way to raise money, you could 18 even imagine. Poor folks, middle income folks, they 19 pay the same tax that very wealthy people, no 20 graduation to that. So the rent -- the income burden 21 of these taxes is disproportionate the lower your 2.2 income. 23 And I don't see any real change coming 24 in this just blatantly hypocritical position, 25 particularly of the city council, the City of New

	Page 177
1	7/20/2023 - Monthly Meeting
2	York, either they don't want to know, or they just
3	don't want to tell you.
4	But I'm here to tell you people need
5	to know. There has been much written, many
6	editorials again this week in The New York Daily News
7	about the ongoing need to reform the New York City
8	tax, real property tax system.
9	And I will believe them, it absolutely
10	needs to be done. However, know what they didn't
11	mention in here, this, they didn't talk about utility
12	taxes, as one of the things that need desperate
13	reform. It is the thing that needs to happen and
14	could happen tomorrow.
15	And to my good friends in the State
16	legislature, if the city council won't do it, you
17	can. You could change unilaterally that four-tier
18	tax system. You could revoke it, you could improve
19	it, you could modify it with or without home rule.
20	And I would beg them to do that.
21	Another question I have, Tim, if I live in
22	Westchester, do my bills reflect how much the City of
23	New York taxes Con Ed?
24	MR. CANTY: Yes, they do.
25	COMMISSIONER HOWARD: So if I live in

	Page 178
1	7/20/2023 - Monthly Meeting
2	Westchester, one could say, if I pay my Con Ed bill
3	every year, I'm in fact subsidizing the City of New
4	York, because I'm paying more than I would have than
5	if Con Ed have that all infrastructure was
6	exclusively in New York in Westchester County,
7	right?
8	MR. CANTY: That's correct.
9	COMMISSIONER HOWARD: But we bundle,
10	it's all a bundled revenue requirement.
11	MR. CANTY: Yes.
12	COMMISSIONER HOWARD: So and I find it
13	particularly ironic that, you know, my good friend
14	the majority leader in the State Senate, who asked us
15	not to do this rate increase, I do not believe that
16	she's aware that her constituents subsidize the City
17	of New York through their electric bill of all
18	things.
19	So again, I appreciate the hard work
20	everybody did. This is much lower outcome than
21	initially presented. But boy oh boy, we could do
22	something about it, not people in this room. But
23	people in the gray building across the street or in a
24	big gray building in downtown Manhattan.
25	They could do it tomorrow. And I just

	Page 179
1	7/20/2023 - Monthly Meeting
2	would like to see how they're going to respond.
3	Because I can guess to it's right in my heart. We
4	will take this vote and the howls will be start
5	coming from all over.
6	Well, I suggest that the wolves quiet
7	down and maybe do something on their own volition and
8	lower bills for people in the City of New York and
9	Westchester, County. Thank you, Mr. Chairman.
10	A.L.J. LECAKES: Mr. Chairman, if I
11	could just mention that we're a little confused about
12	the letter that the Commissioners received from the
13	city council because this the City of New York
14	authorized their legal representatives in the rate
15	case, to sign on to the Joint Proposal as a
16	proponent.
17	So so they actually signed on to
18	the Joint Proposal to support it, and then sent a
19	letter to the Commissioners afterwards.
20	COMMISSIONER HOWARD: That's my
21	observation as well, Judge.
22	A.L.J. LECAKES: Thank you.
23	CHAIR CHRISTIAN: Thank you for that
24	bit of information.
25	MR. HOGAN: Can I can I just

	Page 180
1	7/20/2023 - Monthly Meeting
2	clarify, just to make sure I understand what the
3	A.L.J. was asking? If that's the mayor's office and
4	the city council. Would that be two different people
5	signing and/or opposing?
6	A.L.J. LECAKES: The city attorneys
7	that appear before us represent themselves as
8	representing the City of New York
9	MR. HOGAN: That's the mayor.
10	A.L.J. LECAKES: They don't make a
11	difference between, you know, what part of the city
12	government they're representing. And it's just a
13	it's just confusing to us.
14	MR. HOGAN: Okay. I've just it
15	might be that the mayor's office approves. Bob,
16	you're going to weigh in?
17	MR. ROSENTHAL: Yeah. The mayor's
18	office is the one that signed the agreement, not the
19	city council, it's a separate legal entity.
20	A.L.J. LECAKES: Well, the attorneys
21	for, yeah, the law firm signed it. But yeah, thank
22	you. That's just was interesting.
23	CHAIR CHRISTIAN: Thank you, everyone.
24	Thank you, Commissioner. Commissioner Valesky.
25	COMMISSIONER VALESKY: Well, there

Page 181 7/20/2023 1 Monthly Meeting there are days when Commissioner Howard is a tough 3 act to follow. And today is one of them. 4 assure you of that. Well, Judge Costello, Judge Moreno, thank you very much for the process in which 6 you led it and thanks to everyone on team D.P.S., who 7 spent an awful lot of time, a lot of hours, I'm sure a lot of late nights on this case. 9 And I was intending on spending a 10 little bit of time on the process itself, but it's 11 been covered at length by many previous speakers. 12 Well, I'll just say that that I'm -- that I'm happy 13 to stand up and stand behind the process that you 14 both led. I think it has -- it has been a tried-15 16 and-true process for decades and I think it has 17 worked again in this -- in this case. I did just 18 want to ask two -- two questions, one specific to --19 to this case. And either Judge Costello or Judge 20 Moreno or one of the program staff perhaps could 21 answer. 2.2 So I have in the past commented on 23 previous items in regard to the issue of alternative 24 fuels. And this is -- this is addressed in this 25 case, specifically in regard to renewable natural

Page 182 7/20/2023 1 Monthly Meeting And -- and I appreciate the -- the -- the 3 attention that was given in this order to what the 4 C.L.C.P.A. says about alternative fuels and what the C.L.C.P.A. does not say about alternative fuels. 6 And I emphasize that because 7 throughout the entire Climate Action Council process, a similar back and forth took place. So I appreciate 9 that -- that you have included that here. 10 question I have, though, is and I'll just go Judge 11 Costello, to your comments that I just wanted to follow up on. 12 13 You had said in recommending that the 14 Commission adopt the Joint Proposal, subject to the additional requirements regarding the filing in Con 15 16 Ed's next rate case, of a comprehensive summary of 17 charges appearing in customer bills and associated 18 impacts and reporting requirement regarding in --19 interconnection projects to receive renewable natural 20 gas. 21 I'm just -- I'm just curious as to --2.2 But I'm curious as to the addition of I support it. 23 those additional reporting requirements. Was that 24 included in the J.P., or was that outside of the 25 J.P., and why did we -- why are we -- why are you

	Page 183
1	7/20/2023 - Monthly Meeting
2	recommending that we do those additional reporting
3	requirements?
4	A.L.J. COSTELLO: It's outside of the
5	J.P., and it's to so that we can get information
6	on the G.H.G. emissions that might be effected
7	through this interconnection process. So that's what
8	we're trying to get information that is important to
9	know about G.H.G. emissions.
10	COMMISSIONER VALESKY: Okay. I think
11	that's again, a good add, it's important to add to
12	the to the record and to the, again, the overall
13	issue of how alternative fuels are addressed or not
14	addressed. Not only here, but in other aspects of
15	State government.
16	The only other question I have and
17	perhaps, Chief Judge Lecakes, you could you could
18	answer, it doesn't directly relate to this case.
19	However, it does relate to the company that that
20	brought this rate case.
21	I know that the company has also filed
22	a steam rate case. And I'm just curious as to where,
23	again, I know that doesn't impact anything we're
24	doing today. But I'm just curious as to where that
25	is in the process, since it is the same company?

	Page 184
1	7/20/2023 - Monthly Meeting
2	A.L.J. LECAKES: Right. So in the
3	steam rate case, that appears or that is before our
4	office, we have two Administrative Law Judges
5	assigned to that case, the procedural steps that
6	Judges Moreno and Judge Costello mentioned before
7	about the testimony exchange has been completed in
8	that case and they are now in settlement negotiations
9	right now.
10	COMMISSIONER VALESKY: Okay. Okay.
11	Thank you very much. Thank you, Chair.
12	CHAIR CHRISTIAN: Thank you. We'll go
13	to Commissioner Maggiore.
14	COMMISSIONER MAGGIORE: Thank you very
15	much. I have a series of questions that I prepared,
16	which I'm going to get to. Before I do that though,
17	I just I have to comment on what Commissioner
18	Howard pointed out about the property tax.
19	I ah and he has made this point
20	before, and I think he makes it in a very compelling
21	way. And I I'm not going to question, I think
22	this is not a question, it's a statement. I believe
23	that New York City collects about \$2.7 billion from
24	the property tax levied against Con Ed.
25	Which is roughly four times the size

	•
	Page 185
1	7/20/2023 - Monthly Meeting
2	of the entire Albany County annual budget, which is
3	where I'm from, Albany County. And Commissioner
4	Howard mentioned that it is a very regressive way to
5	collect revenue for municipal services.
6	And I'm not going to question the need
7	for the revenue from municipal services. But I would
8	just point out that municipality has the ability to
9	increase more progressive methods of collecting
10	revenue. The income tax is more progressive, a
11	residential sales tax is more progressive, a sales
12	tax is more progressive.
13	Even user fees, depending on how
14	they're applied, are more progressive. And I know
15	municipalities employ all these methods, New York
16	City has a income tax, and it would be conceptually
17	easy, maybe politically difficult to replace the
18	extremely regressive property tax that's translated
19	into rate inflated rates that have no regard for
20	the ability to pay with a more progressive way of
21	raising the same amount of revenue.
22	So I just I wasn't prepared to say
23	that beforehand, if I'm not being terribly
24	articulate, I just would like to echo the point that
25	Commissioner Howard made Rut with that I'm going

Page 186 7/20/2023 1 Monthly Meeting to pivot to a series of questions I have. 3 And let me just explain why I'm going 4 to ask these questions. As the Chair indicated, in the beginning, there's an enormous number of people 6 that participated in this process. Thousands of 7 people commented. As the Chair did, I sat in on public statement hearings and heard heartfelt 9 commentary by ratepayers who are going to be affected 10 by the outcome of our vote today, and in a profound 11 way that we can't minimize. 12 And the -- there's a lot of issues 13 that have been raised both by parties that are very 14 sophisticated and had input that really changed the ultimate outcome. But also ordinary citizens that 15 16 are just concerned about either how much they're 17 paying or what they're getting for what they're 18 paying. 19 And I -- most of the questions I'm 20 going to ask, the answers can be found either in the 21 order or the J.P. But these documents necessarily 2.2 complicated, they're necessarily dense. And I am 23 going to highlight some of the many, many issues that 24 were raised through the public participatory process, 25 with it -- within -- within an assumption that more

	Page 187
1	7/20/2023 - Monthly Meeting
2	people are paying attention to this proceeding than
3	pay attention to our typical proceedings.
4	So with that said, I'm going to first
5	first start by asking a series of questions
6	related to the C.L.C.P.A. And then, I'm going to
7	pivot to some additional questions that are not
8	related to the C.L.C.P.A.
9	Many of the concerns raised about this
10	this J.P. had to do with natural gas and the
11	replacement of gas pump prone pipes. So let me start
12	by asking a sort of a very general question. Does
13	the C.L.C.P.A. ban the use of natural gas either now
14	or at a future date? Does it say anything about the
15	use of natural gas per se? Does it require the
16	reduction in the use of national natural gas? I'm
17	asking specifically about the C.L.C.P.A.
18	A.L.J. COSTELLO: The C.L.C.P.A. does
19	not have, you know, banned the use of natural gas.
20	It requires that there be a certain level of G.H.G.
21	reductions by certain dates, which will require a
22	downsizing in the natural gas system, that's
23	recognized.
24	But it's not stated in the C.L.C.P.A.
25	itself and it's not, again, it's not banned by the

	Page 188
1	7/20/2023 - Monthly Meeting
2	C.L.C.P.A., the continued use of natural gas.
3	COMMISSIONER MAGGIORE: Thank you.
4	Some of the parties PULP, A.A.R.P. and others
5	objected to E.A.M.s for the company doing what is
6	legally obliged, under the C.L.C.P.A. How is that
7	justified?
8	A.L.J. MORENO: It is basically not
9	business as usual. It's going over and beyond. And
10	just to use as an example, the E.E.B.E. E.A.M.,
11	that's included in the J.P. would need to be in
12	excess of the targets. In order for them to earn,
13	they would have to exceed the targets of the N.E.N.Y.
14	proceeding in order to earn in that instance.
15	MR. MANZ: And I I just would add
16	to that. It's not only for that particular E.A.M.,
17	it wouldn't only be exceeding those New Efficiency
18	New York targets to earn the E.A.M. That's kind of
19	just the the absolute minimum gateway to then look
20	at the E.A.M. metric and see if the utility met that
21	deeper energy savings metric.
22	COMMISSIONER MAGGIORE: Thank you.
23	Okay. Some of the same commenters expressed concern
24	that the J.P. does not require ConEd to apply for all
25	available funding from the federal Infrastructure,

	Page 189
1	7/20/2023 - Monthly Meeting
2	Investment, and Jobs Act. Why is that?
3	A.L.J. COSTELLO: Well, we can't tell
4	you why the Joint Proposal does or does not contain -
5	- does not contain certain provisions because that is
6	something that's the product of negotiations, which
7	are confidential. But there's policy staff who may
8	be able to expand on what the Department of Public
9	Service is doing with respect to the utility
10	applications for that funding and I'll reference to
11	Jessica Waldorf.
12	MS. WALDORF: This is Jessica Waldorf.
13	Several months ago, the Chair directed the utilities
14	to aggressively apply for any available and
15	applicable federal grants for the various projects
16	that they may be undertaking.
17	We've since been tracking those
18	utility applications and providing support, you know,
19	where needed, but that remains an ongoing effort, and
20	the department is actively, you know, making sure
21	that the utilities are going after those funds.
22	So it's being tracked separately, more
23	generically, across all utilities, not just to focus
24	on anyone in particular.
25	COMMISSIONER MAGGIORE: Great. Okay.

	Page 190
1	7/20/2023 - Monthly Meeting
2	So going back to the the language of the
3	C.L.C.P.A, does it say anything about the replacement
4	of leak-prone pipes and what about the gas planning
5	procedure, what or or other relevant State
6	policies?
7	What what's our guidance or what
8	are our legal requirements about gas-prone pipes,
9	leak-prone pipes, I'm sorry?
10	MS. WALDORF: I'm happy to take that
11	one as well. This is Jessica. The very similar to
12	the response earlier on the C.L.C.P.A. not explicitly
13	banning gas, the C.L.C.P.A. also doesn't explicitly
14	mention measures like leak-prone pipes.
15	However, leak-prone pipes are a source
16	of emissions reductions, and reducing leaks
17	historically has been viewed as both having a safety
18	and an environmental benefit. There certainly have
19	been challenges that have been identified in terms of
20	the need to downsize the gas system and reduce
21	overall reliance on fossil fuels.
22	And so certainly, as the system is
23	downsized, you know, sales will reduce, costs on the
24	remaining customers will go up and so long as there
25	are gas customers, we have to ensure that the safe

	Page 191
1	7/20/2023 - Monthly Meeting
2	the system that is serving them is safe.
3	And so leak-prone pipe measures again,
4	they do provide an environmental benefit, but
5	importantly, provide a very, you know, needed envir -
6	- safety and reliability benefit.
7	COMMISSIONER MAGGIORE: Okay. So does
8	the company make money off of installing new new
9	pipes or replacing the leak-prone pipes? And if so,
10	is there a risk that the company will replace pipes
11	that are not, in fact, leak-prone?
12	A.L.J. COSTELLO: Well, the draft
13	order addresses this issue by, you know, explaining
14	that there's not an incent as it's structured in
15	the J.P., there's not an incentive for the company to
16	pursue leak-prone pipe replacement instead of non-
17	pipe alternative projects.
18	The J.P. specifically provides that
19	leak-prone pipe retired through the implementation of
20	a non-pipe alternative will count count towards
21	the company's L.L.P. removal targets.
22	And it also contains cost recovery and
23	incentive mechanisms that will ensure that the
24	company does not have a financial incentive to
25	replace leak-prone pipe instead of removing or
i	

	Page 192
1	7/20/2023 - Monthly Meeting
2	abandoning abandoning such pipe and replacing it
3	with a non-pipe alternative.
4	A.L.J. LECAKES: I also
5	COMMISSIONER MAGGIORE: Okay
6	A.L.J. LECAKES: want to add that
7	the Commission has, or the department has gas safety
8	field staff that regularly audit the company's
9	pipelines to make sure that the pipe that they're
10	removing qualifies for that leak-prone pipe removal
11	and replacement program. So we do monitor that.
12	COMMISSIONER MAGGIORE: Okay. So
13	given the answers to the last two questions, why
14	wouldn't we want to replace all leak-prone pipes?
15	MR. SPEICHER: Hi, I am Kevin
16	Speicher. So as a general malmatter, the
17	Commission's policy on the leak-prone pipe is to
18	replace it as quickly as possible. But in doing
19	that, we also have to keep in in mind the rate
20	implications of that and for and and other
21	safety factors.
22	And for that, I'd say, you know, for
23	example, we would need to we want to make sure
24	that the available workforce and qualified workforce
25	does not outpace the the the need and and

Page 193 7/20/2023 1 Monthly Meeting the replacement levels, because we don't want to 3 essentially introduce another version of leak-prone 4 pipe, just a newer version of leak-prone pipe. COMMISSIONER MAGGIORE: Okav. Is it -6 - is it true that other -- I'm sorry. Was someone 7 else going to say something? Okay. Is it true that other J.P.s for other utilities have specific 9 reduction targets? And if -- if so, why not this 10 one? 11 MR. SPEICHER: Again, this is Kevin 12 Speicher. Yes, some of the other rate cases do have 13 reduced, when you -- when you look at historical 14 replacement levels, we have reduced those a little But they are much further along in their 15 16 replacement programs than -- than Con Edison is. 17 The distribution integrity management 18 rule requires companies to mitigate risk and take 19 preventative measures to mitigate risk. So with the 20 other -- with the other companies that have a lower 21 inventory of leak-prone pipe, there other things are 2.2 raising to the top of the risk profile and that --23 those would be things like regulator stations and 24 things like that right now. 25 Con Edison's -- the leak-prone pipe at

	Page 194
1	7/20/2023 - Monthly Meeting
2	Con Edison is a much higher risk than those concerns
3	right now.
4	COMMISSIONER MAGGIORE: Okay. So some
5	of the comments indicated or seemed to indicate, if I
6	understood them, that an investments in fortifying
7	and replacing leak-prone pipes are the, quote,
8	primary driver of the proposed increase in in gas
9	rates. Is this correct?
10	A.L.J. COSTELLO: That is not correct.
11	As Department of Public Service staff explained, in
12	rate year one, the primary rate driver in on the gas
13	side is the significant decrease in forecasted gas
14	demand between the last rate case and this rate case.
15	And in rate years two and three, property taxes are
16	the largest drivers.
17	COMMISSIONER MAGGIORE: Okay. That
18	I think you anticipated the my next question, so
19	I'm going to skip it. Thank you. Does and you
20	you answered this several times, that the J.P. does
21	not accept the gas rate plan that's submitted by
22	ConEd. So I'm not going to ask that again.
23	I'm going to pivot from the gas and
24	C.L.C.P.A. questions to a couple others. Many of the
25	comments had some version of an objection to the high

Page 195 7/20/2023 1 Monthly Meeting salaries of ConEd executives. Why are we -- why 3 don't we require executive salaries to be lowered? 4 MR. HOGAN: So Commissioner, this is Jeff Hogan. Generally, we -- we review the executive 6 compensation to check if it's set in a manner that's consistent with how such compensation is set throughout the industry. We want to make sure that 9 it's high enough to attract personnel who have the 10 experience and expertise to run a complex business, such as a large -- large utility in New York. 11 12 It's important to note that what is 13 recovered in rates regarding executive compensation 14 is just a fraction of the total compensation that is paid to executives of utilities. For instance, in 15 16 the ConEd's situation here, it's 36 percent of 17 executive compensation is being recovered from 18 The rest is being borne by shareholders. customers. 19 The amount that's borne by 20 shareholders is a very small piece of the revenue 21 In this case, actually, I'll just say requirement. 2.2 in ConEd in general, it's about 0.22 of 1 percent of 23 the total revenue requirement is made up of executive 24 compensation costs and that -- that trend is true 25 Statewide.

	Page 196
1	7/20/2023 - Monthly Meeting
2	We we have about 40 or so percent
3	each year of executive compensation picked up by
4	ratepayers, the rest is borne by shareholders and
5	that's a very, very small piece of the revenue
6	requirement model. But we do need to make sure that
7	they have the correct people for the job.
8	COMMISSIONER MAGGIORE: Okay. Thank
9	you. Just a couple more questions. But along those
10	lines, many of the comments that I've read or heard
11	expressed a concern that shareholders are not
12	carrying a fair rate fair weight as as compared
13	to ratepayers.
14	Why do we care about shareholders'
15	interests? Shouldn't they eat more of the expenses?
16	Didn't they make a record profit from their
17	investments in ConEd over the last year or recent
18	years?
19	MR. HOGAN: So Commissioner, this is
20	Jeff Hogan again. I'll attempt to answer that for
21	you. Commissioner Burman spoke of one of the prongs
22	that need to be considered is fairness to investors.
23	It's important that we allow that we have returns
24	for the shareholders for their investments that are
25	sufficient to allow them to continue to raise capital

	Page 197
1	7/20/2023 - Monthly Meeting
2	at reasonable rates.
3	The utilities make significant
4	investments each year in infrastructure. In New York
5	total, each year, it's a couple billion dollars of
6	investment has to be made. In order to make that
7	that level of investment, additional debt and equity
8	needs to be issued every year.
9	If we want them to be able to continue
10	to make the required investments in the system, for
11	it to be safe and reliable, we need to make sure that
12	they have continued access to that capital. That
13	that access comes about by having returns that are
14	attractive to investors.
15	We don't want it to be higher than
16	what other options are out there in utilities
17	examples. But we need to be competitive with those.
18	And there's been multiple Supreme Court rulings on
19	this, you know, in terms of what's what's
20	required.
21	So that's the what I would say in
22	terms of why the return equities are what they are.
23	I understand that the dollar amounts can be very
24	large. You can hear headlines of a company making a
25	billion dollars.

	Page 198
1	7/20/2023 - Monthly Meeting
2	That company though has invested
3	the shareholders of that company have invested \$12,
4	\$13 billion in the system. That's how much they've -
5	- they're out of pocket, let's say, \$1 billion
6	return on \$12 or \$13 billion is 8 point something
7	percent. It's that's below the nationwide
8	average.
9	A lot of discussion has occurred here
10	about the need to balance things, about compromise.
11	We spend a lot of time in our rate cases trying to
12	balance the need to provide a high enough level of
13	return for investors with the impact it has on
14	customers.
15	We've also spoken several times,
16	Commissioners have spoken several times about the
17	financial difficulties customers are experiencing,
18	the rebounding it's still occurring. So we try and
19	balance the need to have a return sufficient to
20	attract capital with the impact it's going to have on
21	customers.
22	New York authorize New York
23	authorizes some of the lowest R.O.E.s in the State
24	I'm sorry, in the country. Generally, here we have a
25	9.2, 9.6, 9.7 percent is common throughout the

Page 199 7/20/2023 1 Monthly Meeting country at this moment. And -- and these returns are 3 not quarantees, the -- the utilities need to perform 4 well, they need to perform to their targets that are in the rate case in terms of budgets in order to earn 6 that return. If they fail to do so, they will under earn, they will earn less. If they happen to cut 9 costs and are able to earn more, then there's --10 almost every single rate plan out there, except for 11 N.F.G. having been a litigated one-year case mentioned earlier from 2016, all have earnings 12 sharing mechanisms. 13 14 If the utilities are able to cut costs 15 and are able to earn a little bit extra, at some 16 point shareholder -- I'm sorry, customers start to 17 share in those -- in -- in those savings and those 18 lower costs eventually find their way through the --19 the discussion earlier about historic test year as a 20 lower cost historic test year and customers benefit 21 going forward. 2.2 So that's -- that's what I would --23 that's what I would state, I don't know if I've 24 explained it well for you. 25 COMMISSIONER MAGGIORE: No, very well,

	Page 200
1	7/20/2023 - Monthly Meeting
2	thank you. I so while I you don't need to
3	answer this, but I I wonder why an investor would
4	invest in ConEd rather than one of those utilities at
5	a State that allows for a higher R.O.E., but I'm not
6	going to ask actually ask that as a question.
7	MR. HOGAN: Commissioner
8	COMMISSIONER MAGGIORE: I'm going
9	to ask one last yup, go ahead.
10	MR. HOGAN: I was just going to opine,
11	I will say this can seem counterintuitive of why
12	why there are a lot of risk reductions. So when we
13	talk about reconciliations, Tim Canty spoke earlier
14	about reconcile property taxes, et cetera, we we
15	do have some risk mitigation factors out there that
16	help, but it's it's always another balancing act.
17	COMMISSIONER MAGGIORE: Okay, thank
18	you. I I understand. So here's my final
19	question. New York City in its official commentary
20	asserts that impacts of rate increases are not clear
21	in consideration of surcharges. We've discussed some
22	of that earlier in the day.
23	We are directing ConEd to do so for
24	the next rate case. Why can't we provide this
25	information now?

	Page 201
1	7/20/2023 - Monthly Meeting
2	A.L.J. MORENO: Well, I think that the
3	comment by New York City and also several other
4	parties to the case were really in an interest in
5	providing context to what the rate rate impact
6	would be in light of the entire bill that a customer
7	is responsible for.
8	So I think it would it may help in
9	a future rate case to provide different parties with
10	an opportunity to consider how rates will impact a
11	total customer bill. Here, in light of the decision
12	that the Commission will be making today, it may be
13	of less use to those parties. And that's why we were
14	looking at it prospectively.
15	COMMISSIONER MAGGIORE: Okay. Thank
16	you very much. So these are the only issues that
17	were raised through the participatory process, but I
18	I I selected these because I thought that
19	that they were worth getting the types of concise
20	clarifying answers that you you have provided
21	today. I think that that's a of value to the
22	public.
23	So I you know, to the extent that
24	I'm not asking certain questions, I that's
25	that's why I focused on these. I I will stipulate

Page 202 7/20/2023 1 Monthly Meeting an agreement with the point that my colleague to the left of me raised earlier about the -- the initial 3 4 proposal coming from the utility. But also as Commissioner Burman and 6 Commissioner Howard indicated, I think once the rate 7 case gets into your hands, there's -- there's not a whole lot that this agency does better than manages 9 process and I'm continual -- continually impressed that it's a thorough, it's a participatory, it's a 10 public process and, you know, it produces a result 11 12 that no one likes. 13 And I've -- as I've said before, 14 nobody, none of my colleagues nor do I want to raise 15 rates, but I think that it's part of our job to choose among the -- the least onerous of -- of 16 17 options. So we -- we have to pay for readiness. 18 have to pay -- pay for safety and reliability and we 19 need to pay for the conversion to renewable energy 20 sources. 21 So as -- as painful as this -- this 2.2 rate is going to be, I'm going to support this --23 this item. Thank you. 24 CHAIR CHRISTIAN: Thank you, 25 Commissioner. All right. And with that, we'll call

II	, _v
	Page 203
1	7/20/2023 - Monthly Meeting
2	for a vote. My vote is in favor of the
3	recommendation to adopt the terms of the Joint
4	Proposal as discussed. Commissioner Burman, how do
5	you vote?
6	COMMISSIONER BURMAN: Yes.
7	CHAIR CHRISTIAN: Commissioner Alesi?
8	COMMISSIONER ALESI: Yes.
9	CHAIR CHRISTIAN: Commissioner
10	Edwards? Commissioner Edwards?
11	COMMISSIONER EDWARDS: No. I said no.
12	CHAIR CHRISTIAN: Thank you.
13	Commissioner Howard?
14	COMMISSIONER HOWARD: Yes.
15	CHAIR CHRISTIAN: Commissioner
16	Valesky?
17	COMMISSIONER VALESKY: Yes.
18	CHAIR CHRISTIAN: Commissioner
19	Maggiore?
20	COMMISSIONER MAGGIORE: Yes.
21	CHAIR CHRISTIAN: Okay. Votes are in.
22	The item is approved. Recommendations are adopted.
23	Thank you, Judges. Appreciate your support and help
24	in getting this through. Okay.
25	And with that, we'll now move to the

	Page 204
1	7/20/2023 - Monthly Meeting
2	consent agenda. Do any Commissioners wish to comment
3	on, or recuse from voting on any of the items in the
4	consent agenda? I'll begin with Commissioner Burman.
5	COMMISSIONER BURMAN: Item 163, which
6	is a Section 70 to approve a lease for certain real
7	property in the Village of Sag Harbor to 11 Bridge
8	Street. I I am a no on this. The the standard
9	here is, is it in the public interest?
10	Looking at the totality of the record,
11	I see that the village, a number of officials have
12	raised significant concerns with this. And the order
13	seeks to give the approval to National Grid with two
14	caveats which is one, don't do anything until after
15	the summer season.
16	So do this come the fall, which seems
17	to me to try to get around people who will clearly
18	being noticed immediately that there might be a
19	difference a different issue now. And then the
20	second is the order says that the village and the
21	parties in 11 Bridge Street should work together to
22	try to figure out some solution.
23	To me, that seems backwards, I think,
24	in the public interest, we have an obligation to try
25	to not get involved in the issues ahead of time,

	Page 205
1	7/20/2023 - Monthly Meeting
2	could actually be written that it it's it's
3	it has to come after there is some perhaps viable
4	resolution with the village.
5	Seems unfortunate that the village
6	who's had a longstanding relationship on this issue
7	with the company is now being left to have to deal
8	with it from a zoning perspective and other. We've
9	dealt with that before in this case because we have
10	the discretion to decide if it's in the public
11	interest.
12	I I don't believe for me that it is
13	in the public interest and so I I vote no. Thank
14	you.
15	CHAIR CHRISTIAN: Thank you.
16	Commissioner Alesi?
17	COMMISSIONER ALESI: No, I have no
18	comments. I'll vote yes on the whole agenda.
19	CHAIR CHRISTIAN: Thank you. Oh!
20	Sorry, I don't think your mic or maybe you can
21	move your mic a little closer. Oh! I don't think
22	they heard you. Would you mind saying it again?
23	COMMISSIONER ALESI: To reiterate, no
24	comments, I'll be voting on the whole agenda, as
25	quickly as possible I might add.

	Page 206
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Thank you.
3	Commissioner Edwards?
4	COMMISSIONER EDWARDS: I have two
5	items. I am a no on 163 and I am recusing on 368.
6	CHAIR CHRISTIAN: Thank you.
7	Commissioner Howard?
8	COMMISSIONER HOWARD: I am a no on
9	item 368 consistent with my previous votes.
10	CHAIR CHRISTIAN: Thank you. Mr.
11	Valesky.
12	COMMISSIONER VALESKY: No comments.
13	CHAIR CHRISTIAN: Thank you.
14	Commissioner Maggiore?
15	COMMISSIONER MAGGIORE: Yes, I I am
16	going to comment on item 163. I I was, maybe a
17	little on the bubble on this and my concern is that
18	the village the village's opposition is not just
19	the village opining on what they think we should do
20	on a matter in our purview.
21	But what they're essentially saying,
22	as I understand it, is that this decision runs up
23	against what they're trying to do that is within
24	their purview, having to do with land use and zoning.
25	So the dilemma for me is has to do with the

	Page 207
1	7/20/2023 - Monthly Meeting
2	definition of public interest.
3	And my my review of of similar
4	past cases is that we've consistently defined the
5	public interest as it relates to the ratepayer rather
6	than the host community in this case. And that
7	that is a very quantifiable assessment.
8	The in this case, the winning bid
9	is redounds to the benefit of the ratepayer in a
10	quantifiably better way than the the village's
11	losing bid. Nonetheless, I very respectful of the
12	role of the village government here and I I think
13	that they have an enormous leverage from the tools
14	that they have control over and that delay that
15	delay until mid-September before the transfer takes
16	effect should allow time for the village and the
17	lessee to work out a fair and mutually beneficial
18	arrangement.
19	So you know, Commissioner Burman
20	articulated some of the same concerns that I have,
21	but I'm falling on the other side and voting yes.
22	Other than that, I have no other comments.
23	CHAIR CHRISTIAN: Thank you,
24	Commissioner. So with that, we'll bring this to a
25	vote. My vote is in favor of the recommendations on

	Page 208
1	7/20/2023 - Monthly Meeting
2	the consent agenda. Commissioner Burman, how do you
3	vote?
4	COMMISSIONER BURMAN: I vote yes,
5	except for item 163, I'm a no.
6	CHAIR CHRISTIAN: Thank you,
7	Commissioner Alesi?
8	COMMISSIONER ALESI: Yes on all items.
9	CHAIR CHRISTIAN: Thank you,
10	Commissioner Edwards?
11	COMMISSIONER EDWARDS: I am a yes on
12	all items with the exception of 163 where I am a no,
13	and 368 I am recusing.
14	CHAIR CHRISTIAN: Thank you,
15	Commissioner Howard?
16	COMMISSIONER HOWARD: I'm a yes on all
17	items except item 368 where I am a no.
18	CHAIR CHRISTIAN: Thank you,
19	Commissioner Valesky?
20	COMMISSIONER VALESKY: Yes on all
21	items.
22	CHAIR CHRISTIAN: Commissioner
23	Maggiore?
24	COMMISSIONER MAGGIORE: Yes on all
25	items.
11	

	Page 209
1	7/20/2023 - Monthly Meeting
2	CHAIR CHRISTIAN: Thank you. The
3	items are approved and the recommendations are
4	adopted. Madam Secretary, is there anything else to
5	come before us today?
6	SECRETARY PHILLIPS: There is nothing
7	further.
8	CHAIR CHRISTIAN: And with that, I
9	adjourn. Thank you, everyone. Have a good day.
10	(Off the record.)
11	(The meeting concluded at 03:27 p.m.)
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	

Page 210 7/20/2023 - Monthly Meeting STATE OF NEW YORK I, MONIQUE HINES, do hereby certify that the foregoing was reported by me, in the cause, at the time and place, as stated in the caption hereto, at Page 1 hereof; that the foregoing typewritten transcription consisting of pages 1 through 209, is a true record of all proceedings had at the hearing. IN WITNESS WHEREOF, I have hereunto subscribed my name, this the 24th day of July, 2023. MONIQUE HINES, Reporter 

```
acronym 15:25
               Α
                                 act 4:22 9:2 13:16,17 52:17
A.A.R.P125:13,21 141:18 188:4
                                  53:11 58:5 66:18 94:15 125:13
A.L.J123:3 133:8,11,12 134:12
                                  125:20 129:18 174:3 181:3
 137:2,16 144:7 147:16 150:9
                                  189:2 200:16
 151:8,11 156:11 157:24 158:14
                                 acted 63:10
 159:16 160:11,14,17 165:9
                                 action 40:25 45:8 78:2 182:7
 166:2,6 167:2,23 168:2,11
                                 actions 4:18 12:9 13:7 54:13
 179:10,22 180:3,6,10,20 183:4
                                  57:21,22 86:24 119:8
 184:2 187:18 188:8 189:3
                                 active 56:3 141:20
 191:12 192:4,6 194:10 201:2
                                 actively 121:13 152:7 189:20
A.L.J.s102:21 137:3 142:7
                                 activities 4:23 9:9 10:2 16:17
 144:12 147:13 156:5 168:5
                                  16:25 17:18 31:8 34:24 36:12
a.m1:7 2:2
                                 activity 33:8 107:14
abandoning 192:2,2
                                 actual 64:17 69:17 81:22 85:23
abide 146:15
                                  92:8 95:16 128:17 160:22
ability 9:22 13:14 15:14 83:6
                                  161:9
 132:9 137:8 138:25 185:8,20
                                 add 51:5,11 88:2 99:20 112:10
able 18:15 34:18 47:10,12 73:13
                                  114:21 159:18 183:11,11
 103:22 107:19 117:24 155:16
                                  188:15 192:6 205:25
 189:8 197:9 199:9,14,15
                                 added 72:5 91:19 98:3 113:22
absolute 188:19
                                 adding 94:17 113:19
absolutely 45:18 46:23 91:25
                                 addition 9:21 56:16 64:18 72:9
 151:12 176:11 177:9
                                  73:18 124:6 129:19 182:22
abstain 96:9
                                 additional 5:20 41:23 51:11
accelerate 13:19
                                  53:16 54:13 56:14 66:8 72:18
Accelerated 58:4 66:17
                                  79:7 94:17 128:20,23 132:24
accelerating 147:3
                                  150:12 151:23 182:15,23 183:2
accept 83:11 194:21
                                  187:7 197:7
accepting 83:14
                                 Additionally 71:20
access 8:14 18:14 23:18 197:12
                                 address 5:7 8:15 9:9 30:9 31:9
 197:13
                                  51:15 81:3 87:10 90:24 94:5
accessible 99:24
                                  99:6 129:20 132:20 150:3
accommodate 81:23
                                  160:16
accomplishing 116:25
                                 addressed 125:24 133:7 150:5,5
account 6:17 7:12 56:21 96:13
                                  181:24 183:13,14
                                 addresses 4:16 92:23 191:13
accountability 16:15 18:13
                                 addressing 3:18 17:7 22:19
 33:15 48:25
                                 adjourn 209:9
accountable 10:15 48:19
                                 adjustment 5:11 124:12
accounted 129:2
                                 adjustments 13:19 161:24 162:9
accounting 56:15 68:24 69:9
                                  163:19
achievable 121:16
                                 adjusts 8:5
achieve 7:20 11:3 54:13 67:19
                                 administered 59:2
 73:10 83:4 88:11 119:17 120:6
                                 administrative 8:5,8 122:25
 135:18
                                  123:6 145:19 184:4
achieved 64:3 132:17 134:5
                                 administrator 7:5 49:13
achievement 119:22
                                 administrator's 6:18 7:13
achieving 41:9 54:24 122:3,4
                                 administrators 5:4,17 7:2,16
acknowledge 116:5 134:17 166:14
                                  10:15 11:11 12:3 21:19 43:25
```

```
47:10 48:18 49:11 50:12
                                  120:23 163:10 200:9 204:25
adopt 44:5,8 48:3 67:13 123:14
                                 aimed 59:4
 132:23 182:14 203:3
                                 aiming 47:20
                                 air 40:8 76:3 130:11
adopted 52:10 53:24 57:19 59:24
 86:6 203:22 209:4
                                 Albany 1:9 185:2,3
                                 Alesi1:14 2:16,17 38:9,10
adopting 86:3
adoption 6:25 57:10 73:12 147:4
                                  51:19,20 100:2,3 153:8,9
                                  203:7,8 205:16,17,23 208:7,8
adopts 4:19 6:9 11:7
advance 7:6,9 39:3 136:12
                                 algorithm 131:12
advanced 124:10,20 131:9
                                 align 4:21 7:18 12:13 147:11
                                 aligned 97:22 111:24 134:16
advancement 6:21
advancing 55:22 59:4
                                  136:20 149:2
advantage 7:25 13:20 79:6 152:2
                                 aligning 13:4,9
adversaries 38:21
                                 alignment 22:17 23:7 90:13
advise 150:20
                                 aligns 33:10 67:10
advisors 159:17
                                 alive 38:15 154:9,10,11
advisory 20:4
                                 alleviate 23:25
                                 Alliance 125:14
advocacy 46:16
Advocates 124:4
                                 allocate 7:3 76:19
aerospace 39:5
                                 allocated 76:12 77:5 157:9
                                 allow 37:24 58:12 86:18 173:11
afford 171:21,21
affordability 7:7 14:17 87:11
                                  173:15 196:23,25 207:16
 90:24 120:15 122:2 136:8,11
                                 allowing 16:13
                                 allows 10:8 128:13 129:6 145:19
 136:14 149:16,19 152:6,8
 172:13 174:3 176:14
                                  200:5
affordable 8:20
                                 alongside 8:19
                                 alternative 132:2 181:23 182:4
affordably 133:23
afraid 88:23
                                  182:5 183:13 191:17,20 192:3
aftermath 39:4
                                 alternatives 130:6 131:18
afternoon 122:19 123:3,7
                                 amazing 43:15
                                 ambitions 13:6
age 164:22
                                 ambitious 7:20 11:3 60:16
agencies 62:25 73:10 82:7 98:22
 109:25 110:4 112:3 116:15,22
                                 amendments 172:4
 117:19 119:22 120:18 121:7
                                 America 175:23
agency 90:6 114:21 116:20
                                 amount 19:11 36:6 46:5 56:12
 117:18 121:12 139:7 202:8
                                  67:15 68:17 70:2 79:23 80:8
                                  80:10 81:25 91:4 95:12 102:10
agenda 2:6,8,10 3:8 204:2,4
 205:18,24 208:2
                                  120:22,23 153:19,21,21 154:22
aggressively 189:14
                                  155:2 161:19 162:5 163:25
ago 17:10 42:21 114:2 135:23
                                  165:18 185:21 195:19
                                 amounts 63:17,18 156:13 197:23
 189:13
agree 15:22 125:20 134:3 141:9
                                 amplification 74:13
 172:12
                                 amplify 13:18,25
agreeing 159:5
                                 Amtrak 124:21
agreement 134:5 153:17,17
                                 analogy 41:18 164:13
 154:22 155:14 180:18 202:2
                                 analysis 77:25 80:15 83:18 86:4
agreement's 123:18
                                  137:9 168:21
agreements 145:9 154:2,3
                                 analyze 73:22
                                 and-true 181:16
ah 184:19
                                 and/or115:20 180:5
ahead 81:4,5 87:14 108:14
```

ARII@courtsteno.com

```
Andruski 52:20
                                 appropriate 20:21 21:10 22:24
Ann 52:20
                                   100:20 101:8 158:22,25
anniversary 85:2,4
                                 appropriately 138:14
annual 7:11 52:15 53:9 54:15
                                 appropriateness 139:13
 61:14,15 63:15,17 66:20,21
                                 approval 22:12 173:11 204:13
 69:16 72:17,24 73:19 78:10
                                 approve 204:6
 81:13 92:13 96:6 97:7 103:18
                                 approved 36:15 52:9 96:5,9
 109:22 110:14 111:17 126:17
                                   113:25 114:23 203:22 209:3
 167:16 173:14 185:2
                                 approves 180:15
annually 44:23 78:4 89:12
                                 approving 36:12 58:18
answer 36:25 46:25 73:24 121:21
                                 approximately 126:7,18
 181:21 183:18 196:20 200:3
                                 April 53:25 59:7
answered 156:8 194:20
                                 area 16:23 17:3 27:25
answers 100:10 186:20 192:13
                                 areas 54:17 71:7 117:14
 201:20
                                 argue 39:14
anti 30:6
                                 arguments 125:22
anticipate 58:10 78:6 117:8
                                 Aric 151:9
                                 arrangement 207:18
anticipated 72:6 194:18
anxiety 119:16
                                 arrears 136:13 151:22
                                 articulate 185:24
anybody 86:13 159:15 165:24
 174:9
                                 articulated 19:6 207:20
anymore 43:5
                                 articulating 97:5
anyway 98:25 101:9 153:4
                                 Ashley 122:25 123:6
                                 asked25:23 96:22 105:12 164:18
Apollo 42:19
                                   172:15 176:4 178:14
apologizes 160:23
                                 asking 82:5,7 96:20 98:19
Apparently 42:24
                                   163:24 165:18 171:18 180:3
appear 180:7
appearing 133:2 182:17
                                   187:5,12,17 201:24
appears 33:18 150:23 184:3
                                 aspect 106:23 174:21
appendices 115:14
                                 aspects 107:14 183:14
appendix 90:9 94:7,12,17
                                 assembly 77:9 125:15
applaud 153:10
                                 asserts 200:20
appliance 43:23
                                 assess 54:10 116:3 131:12
appliances 26:16,20 29:2 30:6
                                 assessing 73:14
applicable 189:15
                                 assessment 79:9 207:7
applications 189:10,18
                                 assessments 118:13
applied 185:14
                                 assigned 123:5 184:5
applies 116:19 136:2
                                 assigning 9:13
apply 49:11 188:24 189:14
                                 assistance 9:16 156:12
appreciate 26:11 32:17 33:15
                                 assoc 67:6
                                 associated 57:4 63:19 65:15
 36:21 42:14 49:19 50:9 81:13
 96:3 100:11 107:23 108:4,8
                                   67:2,6 68:7 70:2 71:15 72:13
 113:13 115:7,22 122:6 136:22
                                   131:3,24 133:3 171:25 182:17
 137:17 144:13 152:12 153:5
                                 assumption 186:25
 168:3 178:19 182:2,8 203:23
                                 assumptions 95:8
                                 assure 146:7 181:4
appreciated 91:14
approach 11:8 20:17 33:23 35:9
                                 assured 121:12
 63:2 74:24 76:12 134:3 144:24
                                 attached 131:17
 160:18 161:19 162:7
                                 attempt 95:10 131:25 196:20
approaching 85:3
                                 attempts 15:10
```

```
balance 16:7 19:16 133:18,19
attendance 3:7
attention 40:25 182:3 187:2,3
                                  134:5 138:4,22 163:3 164:8,10
attorneys 180:6,20
                                  198:10,12,19
attract 195:9 198:20
                                 balancing 87:10 90:23 200:16
attractive 197:14
                                 ball 116:11 118:12,19
audit 192:8
                                 ban 187:13
audits 9:16
                                 Bank 37:12 38:4
August 85:4
                                 banned 187:19,25
authorities 98:23
                                 banning 190:13
authority 73:8 124:5,6,17,18
                                 barriers 9:10
authorize 198:22
                                 base 109:21 157:20,21
authorized 8:25 37:17 66:18
                                 based 9:19 42:13 71:17 95:16
                                  102:12 103:25 162:9 166:24
 69:21 70:3 71:3,5,13 72:19
 78:21 95:12,14 106:3 130:22
                                 basically 39:6 115:16 188:8
 179:14
                                 basis 76:20 93:22 103:20 111:17
authorizes 198:23
                                  127:10,21 150:11
automatic 175:14
                                 bear 24:10 25:6 81:9
available 3:12 11:17,21 12:16
                                 beg 177:20
 13:15 18:12 52:22 62:9 64:7
                                 began 42:21 122:12
 73:24 117:17 121:9 133:9
                                 beginning 4:2 94:9 122:20
 188:25 189:14 192:24
                                  123:10 167:3 186:5
average 68:10 147:4 167:20
                                 begins 167:3
 172:6 198:8
                                 behalf 125:11
avoid 37:19 75:23
                                 behavior 147:20
aware 93:21 178:16
                                 behavioral 27:23
awareness 9:17
                                 believe 24:8 37:3 42:12 43:4
awful 109:12 173:17 181:7
                                  103:25 158:24 164:3 165:8,21
                                  170:12 177:9 178:15 184:22
               В
                                  205:12
B1:16,18 24:17
                                 believes 174:9
B.C.A 31:24 32:20
                                 bench 159:23
B.E 148:16
                                 benchmark 155:11
B.E.E 16:2 18:20,21 36:24
                                 beneficial 59:24 63:23 146:23
back 12:7 21:19 22:11 33:23
                                  207:17
 34:16 35:15 38:25 42:17,18
                                 benefit15:2 58:5 60:12 62:18
 43:13 44:6,17 46:21 47:18,24
                                  66:18 76:19 118:21 171:14
 49:7,16 50:21,23 77:11 81:2
                                  190:18 191:4,6 199:20 207:9
 82:4 96:11 98:12 106:6 109:16
                                 benefits 4:25 5:15 33:4,6 62:5
 113:14 114:7 115:6 117:9
                                  62:12 63:3,5,14 65:3 66:14
 122:19 138:18 148:21 158:9,23
                                  68:24 69:9 71:24 72:12 75:25
 166:23 168:21 171:7 173:18
                                  76:3 79:17,23 106:2 108:16
 174:7 175:16 182:8 190:2
                                  117:4,9 120:2 130:3 131:22
background 123:17
                                 best7:19 10:21 41:17 89:2,8
backlog 131:7
                                  135:6 137:11 141:2 153:15
backward 101:19
                                  168:20
backward-looking 95:4
                                 better 4:20 7:18 10:8,22 13:9
backwards 16:3 29:4 84:10,25
                                  13:14 24:11 39:15,23 100:25
 204:23
                                  101:2,4 135:17 161:20 164:5
bad 15:5
                                  165:4,13,22,23 167:9 202:8
baked 14:17 140:24
                                  207:10
```

```
beyond 10:11 24:18 34:6 47:8
                                 bound 35:25 36:4,5,11
 60:25 63:7 70:11 79:17 101:21
                                 box 25:21 86:18
 102:11 129:2 147:20,22 148:9
                                 boy 106:13 178:21,21
 148:11 175:21 188:9
                                 Brandon 52:21
                                 bread 96:18
bid207:8,11
biennial 98:13
                                 break 122:13
biq 36:6 38:21 40:24 178:24
                                 breakdown 117:9
bigger 173:3,3
                                 breathe 108:5,5
biggest 41:17 106:17 107:20
                                 breathing 115:2
 163:11
                                 Bridge 125:8 204:7,21
bill 46:14 68:6,10 95:6 103:13
                                 brief 105:18
 107:2 126:14,24 127:10,21
                                 briefly 123:16 125:25
 128:2,5,8,11 155:3 163:14
                                 briefs 125:22
 167:19,22 172:6,20 174:14,15
                                 bright 40:17
 175:18 176:8 178:2,17 201:6
                                 brilliant 40:17
 201:11
                                 bring 49:15 61:24 109:18 133:15
billed 66:22,24
                                   146:9 207:24
billing 67:4,16,23,25
                                 broader 74:16 77:12 97:21
billion 11:9 45:23,25 59:19
                                   106:22
 78:4,10,11,13,14,18,21 108:24
                                 broadly 67:10
 109:2 126:7 175:5,6 184:23
                                 broken 65:17,23 91:24
 197:5,25 198:4,5,6
                                 Brooklyn 131:4
billions 83:2,2
                                 brought 12:7 183:20
bills 71:25 79:17 133:3 171:8
                                 brunt 24:10 25:7 81:10
 171:11 172:18 176:16 177:22
                                 bubble 206:17
 179:8 182:17
                                 budget 6:18 7:14 35:25 36:4,5
bit19:16 26:17 33:25 38:12
                                   36:10 58:21 59:19 70:9,15
 75:4 76:7 77:11 78:9 103:18
                                   71:2 163:5 171:23 185:2
 104:23 139:19 140:5,8 141:7
                                 budget-bounded 11:8
 158:3,5,17 179:24 181:10
                                 budgets 10:9 27:17,17 49:8
 193:15 199:15
                                   60:24 71:8 199:5
blackout 85:3
                                 Buffalo 174:18
                                 build 25:17 105:20,21 130:6
blackouts 85:5
                                 building1:8 3:9,17 4:2,23 6:7
blatantly 176:24
blessed 28:25
                                   6:14,16 8:21 9:11,20 10:5,10
blindsided 23:2
                                   12:12 13:5 27:24 28:8,14 30:8
                                   34:4 37:6 51:15 54:20 60:23
board 24:2 29:14 35:8 85:21
 93:20 96:17 143:3 148:5
                                   61:5 75:14 135:14 148:4,14
Boardroom 1:8
                                   178:23,24
Bob 99:15 103:15 114:5 124:8
                                 buildings 8:13 44:23 78:15
 125:5 156:8 180:15
                                   119:8 146:25
bode 81:17,20,23
                                 builds 56:10
body 25:10 89:16
                                 built 79:24 118:25 120:21
boilers 27:2,22
                                   121:16
boomerang 175:10
                                 bullet 91:23
borne 103:10,12 195:18,19 196:4
                                 bunch 164:16
borrow 45:6
                                 bundle 178:9
bottom 161:18
                                 bundled 178:10
                                 burden 62:3 176:20
bottoms 158:21 163:18
bottoms-up 160:18 162:7 163:23
                                 burdened 136:16
```

ARII@courtsteno.com

```
Burman 1:13 2:13,14 14:7,8
                                  172:8 177:24 178:8,11 200:13
 28:17 32:16 34:21 38:6 42:12
                                 cap 11:15,20 22:18 23:24 45:23
 51:17,18 80:4,5 91:14,20 92:3
                                  50:14 87:22 112:20,23 113:4
 92:5 96:2 98:8,15,18 100:2
                                  113:10 175:5
 136:23,24 137:18 146:18
                                 capital 78:16,18 128:20,23
 148:18 151:7,10 152:11 196:21
                                  132:9 161:19,22,25 174:25
 202:5 203:4,6 204:4,5 207:19
                                  196:25 197:12 198:20
 208:2,4
                                 caption 210:5
Burman's 43:20
                                 capture 69:19
business 81:19 126:16 128:19,22
                                 CapX 175:5,9
 129:12,13 153:22 188:9 195:10
                                 carbon 108:16
business-as-74:23
                                 carbonization 4:24
business-as-usual 74:24 75:9
                                 care 23:11 32:23 87:6 90:22
butter 96:19
                                  144:15 196:14
buy 155:7
                                 career 43:14 116:4
                                 careful 39:18
               С
                                 carefully 17:15 143:21
C105:17
                                 cares 39:9 41:14 109:14
C.E.F3:24 9:6 15:24 61:9 87:25
                                 carrot16:24 33:23 35:8
C.E.S 87:25 103:10
                                 carrying 196:12
C.L.C53:19
                                 case 3:8 33:12 52:14 53:17
C.L.C.B 105:11
                                  76:14 101:14,21 103:9,9 111:5
C.L.C.P.A4:22 5:13 7:19 12:14
                                  122:21 132:25 133:15 134:7,9
 19:4 45:14 52:17 53:13,17
                                  135:7 136:10 137:14,15,23
 54:9,11,18 55:4,15,20 57:10
                                  141:5,10,11,13,13,15,18 142:8
 58:3 62:2,7 63:5,15,20 65:9
                                  143:23 144:6 145:3,11,18
 65:23 66:2 67:11,13,20 68:7
                                  150:19 155:12 156:7,20,22
 69:19 71:14 73:2,11,16 75:10
                                  157:7 158:25 159:3,20,23,25
 81:19 82:13,14 87:24,25 88:2
                                  160:9 166:9 167:4 168:17
 93:15 94:14 97:19 98:3 102:11
                                  169:3,4,5,14,16 170:4,19
 104:8 105:11,17 107:2 112:12
                                  173:22 179:15 181:8,17,19,25
 116:17 118:17 119:15,17 122:4
                                  182:16 183:18,20,22 184:3,5,8
 129:18,21,22 130:2,24 132:15
                                  194:14,14 195:21 199:5,11
 156:21 164:9 175:2 182:4,5
                                  200:24 201:4,9 202:7 205:9
 187:6,8,13,17,18,24 188:2,6
                                  207:6,8
 190:3,12,13 194:24
                                 cases 34:9 79:4 123:16,23 134:4
C.L.C.P.A.'s 57:16,19 62:6 63:8
                                  138:11 140:14 141:5,17,20,22
C.L.P.A. - 105:16
                                  145:14 153:25 167:13 168:6,20
C.P.A 53:19
                                  193:12 198:11 207:4
C.P.L83:4
                                 categorized 6:10
Caitlyn 52:20
                                 category 7:4
calculation 173:19
                                 cause 210:4
calendar 55:10,12,17 67:24
                                 causing 84:25
 68:19 70:10 102:4,11 104:12
                                 cautionary 106:19,20
 104:22
                                 caveats 204:14
California 106:14
                                 celebrating 174:20
call 2:4,10,11 51:13 202:25
                                 centered 6:6
calls 116:17
                                 Central 141:11,12
Canty 156:12, 13, 18 169:13, 17
                                 certain 27:5 28:21 44:16 123:19
 170:12,20,25 171:4,10,13
                                  140:10,20 154:22 162:14,14
```

```
65:4 81:25 147:9
 187:20,21 189:5 201:24 204:6
certainly 92:10,22 93:19 94:3
                                 chart 67:4 71:11
 94:21 105:13 107:4 108:25
                                 charts 168:22
 114:8 120:16 121:5 134:14
                                 chase 24:12
 147:17 159:25 175:16 190:18
                                 cheap 41:14 44:11
                                 check 25:21 103:25 150:13 195:6
 190:22
certify 210:3
                                 check-in 20:24
cetera 41:24 77:16 97:11 162:15
                                 checks 150:23 151:5
 200:14
                                 cheerleader 99:5
Chair 1:12 2:3, 9, 15, 18, 21, 24
                                 Chief 53:5 183:17
 3:3,6,15 12:18 38:8 42:2,7
                                 chilling 28:22
 49:23 50:2,25 51:12,19,21,24
                                 choice 28:22 33:9
 52:2,5,8 53:2,4 74:2 76:5
                                 choose 202:16
 77:3,6 78:23 80:2 99:19
                                 choosing 29:6
 100:12,17,21 101:2,5 105:7
                                 Christian 1:12 2:3, 9, 15, 18, 21
 109:5,8 113:18 115:7,23
                                  2:24 3:3,6,15 12:18 38:8 42:2
 122:10,18 123:4 133:11 134:14
                                  42:7 49:23 50:25 51:12,19,21
 140:5 144:18 153:7 155:25
                                  51:24 52:2,5,8 53:2,4 74:2
 168:14 179:23 180:23 184:11
                                  76:5 77:3,6 78:23 80:2 99:19
 184:12 186:4,7 189:13 202:24
                                  100:12,17,21 101:2,5 105:7
 203:7,9,12,15,18,21 205:15,19
                                  109:5 115:23 122:10,18 133:11
 206:2,6,10,13 207:23 208:6,9
                                  134:14 153:7 155:25 168:14
                                  179:23 180:23 184:12 202:24
 208:14,18,22 209:2,8
Chairman 38:11 153:10 179:9,10
                                  203:7,9,12,15,18,21 205:15,19
chairs 74:20
                                  206:2,6,10,13 207:23 208:6,9
challenge 19:23 28:18 46:7,9
                                  208:14,18,22 209:2,8
 86:7 96:4 138:3
                                 circumstances 7:4 28:21 135:6
challenges 17:14,23 22:14 43:21
                                  153:14
 81:3,4 84:2,2,12,19 87:4,14
                                 cited 26:25 110:15
 91:11,19 92:21 93:5 97:23
                                 citizens 186:15
 99:6 106:17 121:24 134:21
                                 city 124:2,15 125:8,20 130:10
 135:3 137:20 150:3 153:3
                                  153:2 170:7,16 171:17,18,23
 190:19
                                  172:2,14,22 173:7,9,23,25
                                  174:16,18 175:11,14 176:5,7
challenging 19:2 27:25 35:19
 74:3,6
                                  176:25,25 177:7,16,22 178:3
                                  178:16 179:8,13,13 180:4,6,8
change 20:15 39:7,9 65:19 67:18
 75:24 76:4 102:8,9,12 146:10
                                  180:11,19 184:23 185:16
 165:15 174:5 175:8 176:23
                                  200:19 201:3
                                 claims 145:3,5,20 146:8
 177:17
changed 60:11 186:14
                                 clarification 103:4 166:4
changes 2:6,8 6:4 15:15,19
                                 clarify 157:18 180:2
 23:17 29:22 40:3,19,19,20,20
                                 clarifying 149:13 201:20
 42:16 64:23 71:21 104:7
                                 classes 59:14 68:12,13 69:4,14
 128:20,24 161:14
                                 clean 3:23 7:20 9:20 11:3 14:18
characterization 142:3
                                  18:19 25:2 37:7 53:20 54:25
charge 15:2 60:8,12 109:17
                                  57:19 58:17,24 60:20 62:12,21
 133:20 156:25
                                  63:10,20,21 64:9,12,16 67:3,6
charges 76:25 133:2 153:20
                                  67:17,23 68:2 70:19,25 75:12
                                  75:19 76:17,22 88:11 117:20
 170:2 172:2 182:17
charging 59:12,13,25 60:2,6
                                  118:22 129:16 130:10,18,25
```

```
152:19 175:13
                                  160:5,24 166:13 176:23 179:5
clear 5:2 20:7 21:20 23:16
                                  202:4
 29:18 33:6 34:22 41:5 50:6
                                 commenced 2:2 37:3 67:10 123:20
 75:11 88:10 90:7 97:21 105:13
                                 commend 42:10,11
 108:19 149:9 200:20
                                 comment 12:6 59:22 61:24 92:18
clearer 24:5 99:23
                                  97:24 98:5,6,10 103:15 109:22
clearly 14:9 19:5,22,22 22:13
                                  111:23 121:20 158:9 184:17
 35:2 44:12 45:24 108:10,22
                                  201:3 204:2 206:16
 204:17
                                 commentary 186:9 200:19
cliff 37:19 43:11,12
                                 commented 181:22 186:7
                                 commenters 5:24 188:23
climate 4:21 13:6 27:11 45:7
 52:16 53:10 58:9 75:24 78:2
                                 comments 4:10 42:5 47:10,14,21
 94:15 117:13 118:22 135:18
                                  51:5 74:11 88:21,25 89:5,6
 175:19 182:7
                                  91:14,16 94:9,22 96:8,11,12
clock 122:14
                                  98:12 134:7,8,15,18 156:10
                                  162:24 165:24 169:9 182:11
close 78:24 160:24 175:24,24
 176:2
                                  194:5,25 196:10 205:18,24
closely12:13 171:24
                                  206:12 207:22
closer 100:23 205:21
                                 commercial 56:15 60:4 64:8
                                  67:19 68:11,11
code 44:5
codes 9:15 44:2,9
                                Commission 1:3 2:5 3:21 4:10
coexistence 8:23
                                  5:10 9:7,12 10:17 11:16 12:2
cognizant 36:17 142:2
                                  12:7 14:3 35:16 37:3,22 47:19
                                  47:24 49:8 53:25 55:20 57:6
coin 170:22
                                  57:10,19,22 58:5 59:8,22,23
collaboration 20:22 21:23
colleague 202:2
                                  60:13,19 61:12,25 62:2,8 63:9
colleagues 51:7 202:14
                                  67:12 69:21 70:3 71:3,13
collect 185:5
                                  72:20,25 73:7 79:13,15 80:12
collected 157:11,21
                                  86:19 89:16 90:6 91:6 92:16
                                  94:24 96:5 98:7 106:3 113:12
collecting 23:22 185:9
collections 129:8
                                  119:9,20 120:17 129:20 130:23
collectively 5:3 41:6
                                  132:14,23 133:16 136:12 138:2
collects 184:23
                                  144:16,21,22 145:25 146:13,16
come 21:6,18 37:11,21 41:22
                                  182:14 192:7 201:12
 46:24 47:18,21,24 50:22 56:6
                                Commission's 54:8,25 55:10
 71:16 75:7 76:3 77:22 85:22
                                  58:18,23 138:20 145:4 160:15
 88:3 98:12 112:12 117:5
                                  192:17
 138:18 140:12 144:14,21 148:9
                                 commissioned 25:10
 150:17 154:14 155:4,23 158:23
                                 Commissioner 2:12, 14, 15, 17, 18
 164:3,14 167:4,6 174:4 176:2
                                  2:20,21,23,24 3:2,3,5 14:7,8
 204:16 205:3 209:5
                                  28:17 32:16 34:21 38:6,9,10
comes 35:16 36:3 107:20 145:3
                                  42:3,4,8,9,12 43:19 44:19
 158:2,13 159:18 166:17 175:7
                                  45:3,16,21 47:3,25 49:18,24
 175:23 197:13
                                  49:25 51:2,3,13,16,18,19,20
comfort 88:18
                                  51:21,23,24,25 52:2,4,5,7
comfortable 21:24,25 22:7 23:8
                                  80:3,5 91:14,20 92:3,5 96:2
 148:21 150:4
                                  98:8,15,18 100:2,2,3,13,13,14
coming 22:11 38:14 46:21 50:21
                                  100:17,19,24 101:4,6,12,17,22
 64:23 84:7 118:16 128:4
                                  101:25 102:5,15,19 103:2,5,14
 134:22 135:8 140:13 155:19
                                  104:9,16 105:5,8,9 106:8
```

```
109:6,7,8 112:8,16 115:24,25
                                 compared 196:12
 116:8 117:25 118:5,23 121:19
                                 comparison 127:25 128:7
 136:23,24 137:17,18 146:18
                                 compel 7:16
 148:18 151:7,10 152:11 153:8
                                 compelling 184:20
 153:8,9 156:2,2,3 157:5,12,16
                                 compensation 195:6,7,13,14,17
 157:23 159:14 161:4 162:17
                                  195:24 196:3
 164:15 166:2,5,20 167:14,24
                                 competition 7:23
 168:2,7,13,15,15,16,17 169:15
                                 competitive 88:17 197:17
 169:18 170:15,21 171:3,8,11
                                 competitiveness 106:22
 171:15 172:11 177:25 178:9,12
                                 complaining 154:7
 179:20 180:24,24,25 181:2
                                 complement 69:23
 183:10 184:10,13,14,17 185:3
                                 complete 114:13 158:19
 185:25 188:3,22 189:25 191:7
                                 completed 70:21 184:7
 192:5,12 193:5 194:4,17 195:4
                                 completes 12:15 73:23
 196:8,19,21 199:25 200:7,8,17
                                 complex 12:20 32:6 195:10
 201:15 202:5,6,25 203:4,6,7,8
                                 compliance 73:2 89:14,17
 203:9,10,11,13,14,15,17,18,20
                                 complicated 28:3 186:22
 204:4,5 205:16,17,23 206:3,4
                                 comprehensive 8:8 61:4 133:2
 206:7,8,12,14,15 207:19,24
                                  182:16
 208:2,4,7,8,10,11,15,16,19,20
                                 compromise 153:14,16 198:10
 208:22,24
                                 Con 101:13 102:22 103:9 123:13
Commissioners 1:11 2:11 3:15
                                  123:25 124:9,14 126:4,5,16
 24:14 49:3 53:4 96:12 109:24
                                  128:3,9 129:6,14 130:14 132:4
 113:15 120:14 123:4 144:20
                                  132:9,10,25 141:22 151:15
 179:12,19 198:16 204:2
                                  152:3,5 158:2 166:22 167:15
commitment 39:16 50:9 75:21
                                  168:17 171:21 172:2 173:19
committee 20:9 21:7
                                  174:10,18 176:6,7 177:23
committees 20:3
                                  178:2,5 182:15 184:24 193:16
commodity 103:12 168:24
                                  193:25 194:2
common 128:14 134:19 198:25
                                 Con-Edison 8:18
communities 4:25 5:15 58:22
                                 concept 44:2
 62:4,4,10,19,23 63:3,9,12
                                 conceptually 185:16
 117:5,15
                                 concern 28:19 91:4 162:25
community 4:22 17:2 52:17 53:11
                                  163:11 188:23 196:11 206:17
 58:4 66:18 129:17 130:8 207:6
                                 concerned 26:3 31:15 92:10
                                  93:21 174:2 176:13,14 186:16
compacts 145:9
                                 concerns 21:25 86:8 91:8 99:9
companies 8:18 125:11 176:2
                                  143:13,22,24 187:9 194:2
 193:18,20
company 48:14 122:22 123:12,13
                                  204:12 207:20
 123:20 129:2 130:5 131:7,10
                                 concerted 75:2
 131:19,23 143:7 146:23 147:4
                                 concise 201:19
 150:25 152:15 160:8,19 161:9
                                 conclude 72:24
 161:22 162:7,10 163:20,21,24
                                 concluded 209:11
 168:21,24 174:9,24,25 175:19
                                 concludes 133:8
 183:19,21,25 188:5 191:8,10
                                 conclusion 40:9
 191:15,24 197:24 198:2,3
                                 condition 27:5,8
 205:7
                                 conduct 2:10 131:19 150:10
company's126:10 128:17 191:21
                                 conducting 160:7
 192:8
                                 conducts 150:18
                                 ConEd 188:24 194:22 195:2,22
compare 73:13,22
```

```
contains 53:20 191:22
 196:17 200:4,23
ConEd's 195:16
                                 content 61:14
conferences 12:4 47:7
                                 contentious 133:15
confident154:15 171:21
                                 context 68:13 72:22 78:22 92:8
confidential 166:12 189:7
                                  95:24 111:5,19 127:24 135:4
confirm 2:12
                                  201:5
confused 179:11
                                 continual 202:9
                                 continually 25:13 114:12 202:9
confusing 95:9 112:6 180:13
confusion 7:22
                                 continue 23:21 24:10 25:6,17
congratulate 116:24
                                  39:2 49:14 65:20 73:20 80:25
                                  84:5 87:7 92:17 93:9,10,22
congratulations 109:3
conjunction 55:21
                                  94:22 119:4 121:9 131:10
                                  132:10 134:8 136:15 154:16
connect 130:19
connection 124:11
                                  159:15 196:25 197:9
consent 204:2,4 208:2
                                 continued 24:25 46:17 58:11
                                  188:2 197:12
consequence 30:12
consequences 30:5 31:2
                                 continues 14:20,20 61:9 80:11
                                 continuing 74:24 120:9 123:11
Conservation 56:19
conservative 70:7
                                 continuous 16:6
conserve 57:9
                                 contract 168:23
consider 5:10 9:8 11:17 91:25
                                 control 129:2 152:14 169:5
 94:16 95:23 131:23 146:10
                                  207:14
 151:14 201:10
                                 controls 151:2
consideration 10:4 12:8 50:23
                                 conversation 114:5
 200:21
                                 conversion 132:5 202:19
considerations 138:17
                                 coordination 15:14
considered 10:24 14:19 72:14
                                 copy 171:16
 196:22
                                 core 12:13 17:7 80:14 96:18
considering 131:15
                                  120:9 165:14
considers 4:15
                                 corporations 107:15
consistency 16:5
                                 correct 93:6 102:5 105:2 110:9
                                  141:8 166:21,25 167:23 169:12
consistent 55:10 62:25 112:3
 132:13,16 136:19 139:5,10,15
                                  170:19 171:3 178:8 194:9,10
 139:25 142:20 195:7 206:9
                                  196:7
consistently 207:4
                                 corrected 158:15
consisting 210:6
                                 correctly 76:13
Consolidated 122:22 123:11
                                 correlating 38:13
                                 cost19:2,3 30:3 31:13,18,20
constant 41:8
                                  32:2,2,8,13,21,24 34:11 39:10
constituents 178:16
constrainment 86:16
                                  39:10,11 41:11 55:5,9 60:5
                                  65:9,15,23,25 66:11,22,24
construction 56:4
constructive 80:6
                                  68:7 69:23 71:18 72:7,11
                                  73:12 75:8,24 76:9 79:8 86:24
consultants 83:8
Consulting 83:24
                                  87:10 88:10 95:3 101:13,18,20
consumed 68:17
                                  102:2 104:14 105:15 121:11
Consumer 124:4 129:18
                                  130:21 138:5 152:21 156:6
consumers 62:20 71:22,25 76:2
                                  157:8 161:13 172:24,25 174:25
                                  191:22 199:20
 79:17 124:3,16 138:7
                                 Costello 122:25 123:2,3,4
contain 189:4,5
contained 4:6
                                  133:12 134:12 144:9 157:24
```

```
critique 89:19
 158:14 160:5 166:8 181:4,19
 182:11 183:4 184:6 187:18
                                 cross 106:15
 189:3 191:12 194:10
                                 crying 171:18
Costello's 160:17
                                 crystal 118:12,19
                                 cumulative 63:17 64:4 66:24
costly 30:10
costs 28:3 33:6 39:9,12,15
                                  156:23 162:5
 46:18 66:14 67:2 69:17,20
                                 curious 134:9 182:21,22 183:22
 70:2,9,15,16,17,24 71:4,8,13
                                  183:24
 71:15,23 72:13,18 75:23 76:16
                                 current 5:24 8:5 13:9 25:19
 76:20,23 79:6 81:7,19,20 82:7
                                  46:4 157:14 173:16 175:4
 82:13,17,25 83:4,18 84:6,19
                                 currently 3:20 54:7 59:15,21
 85:9 90:23 102:14 103:4
 105:12 107:4,5,11,22 108:20
                                 customer 8:16 9:17 17:2 28:22
 140:23 156:14,19,21 157:10
                                  32:2 68:12 69:4,14 126:12,23
 161:9,11,15 162:14 190:23
                                  128:3,6,9,12 133:3 147:8
 195:24 199:9,14,18
                                  150:7 173:20 182:17 201:6,11
council 21:6 45:8 78:2 83:22
                                 customer's 69:15
 87:21 98:23 124:3,7,16 125:2
                                 customer-73:11
 170:17 171:17,18 172:14
                                 customers 8:15 21:13,14 24:23
 173:10,25 176:5,25 177:16
                                  28:23 30:23 68:10,15,22 69:6
 179:13 180:4,19 182:7
                                  69:7 79:3,3,5 87:23 102:3,13
Council's 90:17
                                  107:10,11 129:25 131:17
councils 20:4
                                  132:11 133:20,22 136:4 138:15
count 191:20,20
                                  138:23 139:2 151:21 152:2
                                  165:18 171:7 190:24,25 195:18
counterintuitive 200:11
country 198:24 199:2
                                  198:14,17,21 199:16,20
                                 cut100:22 199:8,14
County 178:6 179:9 185:2,3
couple 74:10 77:22 110:13
                                 cutting 24:12
 145:14 151:14 162:18 194:24
                                                D
 196:9 197:5
                                 D89:24
coupled 64:16
                                 D.E.C 62:24 110:7,14 112:12
course 93:6 100:5 104:25 162:11
 169:14,15
                                  113:3,9 116:18
                                 D.E.R147:6,7
Court 197:18
                                 D.P.S 54:5 59:3 63:7 73:19
cover 70:14 78:6
                                  116:17 134:11 159:21 160:3
covered 126:11,21 181:11
                                  166:7,9 167:12 181:6
covering 128:10
COVID 82:21 134:22
                                 daily 93:22 177:6
                                 data 18:15 63:16 64:6 73:2,13
creates 8:6
                                  73:20 83:23 87:20
creating 106:23 135:17 159:22
                                 date 4:7 27:21 34:9 55:5,5 57:5
creation 11:14 59:3
                                  69:17,24 70:4,17 95:12 110:17
creative 25:19 121:3
                                  113:21 187:14
credit 174:8,8
                                 dates 187:21
credited 145:22
                                 Dave 2:24 3:12 12:16
credits 67:8,16
crisis 172:13
                                 DAVID 1:17
criteria 117:13 138:21
                                 day 28:9 164:22 176:11 200:22
                                  209:9 210:10
critical 86:4
                                 days 5:19 11:22 13:24 46:20
critically 69:8 164:9
                                  181:2
criticism 80:6 86:14 168:9
```

```
de 66:13
                                 deliberations 157:25
de- 4:23
                                 deliberative 143:11
de-carbonization 6:7,14 11:4
                                 delicate 133:19
deal 25:8 155:9 168:18 205:7
                                 delineated 50:6
deals 12:21
                                 delineates 5:5
dealt 80:19 205:9
                                 deliver 39:22 130:17 146:23
debate 21:9 105:11,25 155:21
                                 delivered 130:14
 171:24,24 175:6
                                 delivering 4:24 5:6 149:3
debt 161:15 197:7
                                 delivery 13:9 76:25 103:7,11,13
decade 141:23
                                   123:9 126:6,8,17,19 127:5,15
decades 27:4 39:23,24,25 42:21
                                   158:12 167:17,18
 118:24 119:19 181:16
                                 delta 162:9
decarbonization 57:12 119:7
                                 delve 82:9 83:6
December 4:6 54:6 56:18 61:3,20
                                 delving 82:6
 123:11 129:12,13
                                 demand 60:8 64:17 75:18 79:18
decide 14:4 205:10
                                   79:21,22 131:4 147:2,3 194:14
decided 42:24 146:5
                                 demands 40:24,25 138:6
decides 174:17
                                 demonstrate 7:6 11:12
decision 89:13 143:23 145:12,15
                                 demonstration 9:17 131:5
 145:19 201:11 206:22
                                 dense 186:22
decision-making 23:4
                                 denying 120:7
decisions 62:2 107:12 111:4
                                 department 53:7 56:18 59:15,23
                                   61:13 62:24 72:2 92:16 93:8
 146:3,21
decrease 64:23 170:23,25 194:13
                                   93:20 107:25 119:9,20 120:10
                                   120:17 124:2,14 125:19 168:19
decreased 56:25
decreases 174:21,21
                                   168:19 169:5 189:8,20 192:7
decreasing 55:24 57:3 113:7
                                   194:11
dedicated 39:16
                                 Department's 72:25
dedication 144:10
                                 depending 26:6 68:16,16 69:2,10
deemed 142:22
                                   69:14 185:13
                                 deployment 57:20,25 60:7 65:7
deep 103:19
deeper 31:7,7 76:7 83:7 149:3
                                 depreciation 128:21,25 162:3
 188:21
                                 described 72:3
deeply 176:13
                                 description 115:16
def 93:18
                                 design 5:21 8:7 9:25 10:12
Defense 124:7,23,25
                                   27:15 148:17
defensive 25:14
                                 designated 144:18
defer 90:14 171:13
                                 designed 57:11 60:5 147:19
defined 31:23 207:4
                                   150:14 161:15
defining 90:16
                                 desire 45:22 80:25
definitely 92:15 94:19 104:5,15
                                 desired 8:7
 115:18 120:6 162:12
                                 desperate 105:14 107:10 177:12
definites 29:19
                                 despite 134:19
definition 117:12 207:2
                                 destroy 39:22
                                 detail 8:22 53:16 123:17 132:7
degree 11:18 114:25
degrees 134:4
                                   160:2 162:12
delay 207:14,15
                                 detailed 22:13 56:21 60:17 66:6
                                   67:3 70:12 85:25 86:4 159:11
delaying 131:24
delays 8:8
                                 detailing 11:24
                                 details 3:18 11:17
deliberation 10:21 147:17
```

```
detection 131:9
                                 disadvantaged 4:25 5:15 58:22
deter 93:18
                                  62:3,4,10,19,23 63:3,9 117:5
determine 10:17 89:16 117:21
                                  130:8
                                 disagree 139:9
 158:22
develop 61:13,19 62:25 63:7
                                 disagreeing 159:5
 70:23 132:2 160:9
                                 discipline 48:7
developed 151:24
                                 discovered 40:4
developing 59:10 66:5 147:9
                                 discovery 160:7
development 4:16 9:9,15 55:22
                                 discreet 81:25
 56:3 57:23 58:9,11,16 64:15
                                 discretion 205:10
 119:5
                                 discuss 96:3
                                 discussed 51:16 200:21 203:4
Diane 1:13 2:12
dictating 21:10 26:9 28:16
                                 discussion 21:9 51:6 52:14
diesel 78:12
                                  118:7 121:22 122:20 156:6
difference 75:8 88:8 180:11
                                  198:9 199:19
 204:19
                                 disincentivize 30:21
different 15:4,20 17:2,18 18:7
                                 dispatchable 66:14
 19:15 20:3,10,10,17 21:11,16
                                 disproportionate 176:21
 22:8 23:16,17 31:21,21,22,23
                                 disproportionately 62:3 88:12
 32:14 33:20 36:5 77:23 78:3
                                 dispute 14:25
 80:11,22 87:18 90:8 94:13
                                 dist130:18
 95:20 97:9 98:22,24 110:20
                                 distinct 37:8 73:3,4
 118:12 137:10,10 140:10,14,14
                                 distinguish 166:7,14
 141:6 148:17 167:7 174:13
                                 distracting 161:2
 180:4 201:9 204:19
                                 distributed 53:23 63:21 129:24
difficult 70:20 71:11 75:7
                                  130:2,18
 79:12 95:7,21 108:6 120:6
                                 distribution 58:12 193:17
 133:13 185:17
                                 dive 103:19
difficulties 198:17
                                 diverse 32:12 73:4 132:22
difficulty 18:24
                                 docket 88:24 92:9
                                 dockets 90:8 115:13,13
digesting 121:21
digging 76:6
                                 document 53:16 85:19 89:20
digit 174:20
                                  115:2,2 166:16 167:5,15
dilemma 206:25
                                 documents 23:13 82:5 186:21
diligence 137:5 142:6
                                 doing 17:5 21:23 23:9,12,14
                                  28:6 35:10 36:13,13 39:6,21
diminish 142:14
diplomacy 24:4
                                  41:11 43:22 74:23 81:2 83:18
diplomatic 22:19,20 86:17
                                  85:8 88:8,16 89:23,25 91:12
                                  96:24 97:4 104:12 107:17
direct 8:14 25:3 27:18 62:9
 63:10 134:17
                                  109:23 110:2,4,10,11 111:22
directed 9:7 58:21 59:3 61:12
                                  115:12 116:21,22,23 121:6
 89:11,12 189:13
                                  135:10 161:22 163:18 165:13
                                  175:18 183:24 188:5 189:9
directing 3:16 200:23
direction 5:21 9:13 14:4 41:12
                                  192:18
                                 dollar19:11 108:25 109:2 162:5
 90:12 108:5 139:9
directive 96:6
                                  175:8 197:23
directives 61:18 94:25 150:6
                                 dollars 16:16 17:21 19:8 22:23
directly 58:22 87:23 183:18
                                  36:18 39:10 45:23,25 58:21
Director 53:6 160:11
                                  78:20 80:21 83:2 105:20,21,23
directs 5:17
                                  105:24,25 106:2,4 127:17
```

```
157:2,8 197:5,25
                                  16:2 37:11 54:21 114:22
domain 114:9
                                  188:10
door 160:24
                                 E.E.P.S15:3,7 16:10 20:2 88:9
dot16:10
                                 E.V29:11 59:13,16 60:4,7 65:3
double 174:20
                                  81:25 82:2 157:2
doubt 120:22 139:3
                                 EAMs 15:20 33:17,19,20 34:4
dovetail 110:11
                                 EAPs 36:3,12
                                 earlier 20:24 32:5 127:2 134:2
downs 23:17
downsize 190:20
                                  190:12 199:12,19 200:13,22
downsized 190:23
                                  202:3
                                 early 43:14 47:23 60:6
downsizing 187:22
                                 earn 188:12,14,18 199:5,8,8,9
Downstate 8:17
downtown 178:24
                                  199:15
downward 71:23 85:9 158:17
                                 earnings 5:11 124:12 128:16
draft 3:16,18 4:14,19 5:9,20
                                  199:12
 6:8 7:15,23 8:4,13,21 9:12
                                 earth 41:2,10
 10:3,14,20 11:4,7,10 12:10
                                 easier 20:16 73:21,22,22 108:11
 32:19 123:8,14 125:24 132:7
                                  137:24
 133:7 138:18 153:5 191:12
                                 easy 84:10 106:14 114:20 122:5
drafting 12:20
                                  131:17 134:17 153:11 154:6
dramatic 140:23
                                  185:17
dramatically 84:14
                                 eat 196:15
draw 40:9 73:3
                                 echo 148:7 185:24
Drexler 3:12
                                 economic 23:5 25:3 77:24 80:14
drive 34:25 43:2 88:17,18
                                  106:22 107:14 132:14 133:16
driven 128:19,23
                                  134:21 135:5 139:6
                                 economics 31:25
driver 194:8,12
drivers 194:16
                                 economy 75:12 106:23 125:14
                                  138:8 163:4
driving 155:5
                                 Ed 101:13 102:22 103:9 141:22
drowning 22:6
duality 48:2
                                  152:5 158:2 168:17 171:21
due 8:14 11:2 46:20 75:23
                                  172:2 173:19 174:10,18 176:6
 112:14,15 137:4 142:6 144:15
                                  176:7 177:23 178:2,5 184:24
 151:20 152:14 170:13
                                 Ed's 151:15
duration 70:17 71:9
                                 Ed's 182:16
duty 131:2,3 147:3
                                 edge 43:12
                                 Edison 122:22 123:12,13 124:2
                                  124:14 126:5,16 128:3,9 129:6
E-15:20
                                  129:14 132:4,10 152:3 166:22
E-TIPS 88:9
                                  167:15 193:16 194:2
E.A.M147:9,22 148:13 188:10,16
                                 Edison's 126:4 132:9 193:25
 188:18,20
                                 Edison's 124:10 130:14 132:25
E.A.M.s 5:12 10:3,6,12,18,18,23
                                 editorials 177:6
 34:8 48:17 124:13,21 146:21
                                 Edmondson 52:21
146:22 147:12,19 148:3,5,16
                                 educating 46:11
 148:22 188:5
                                 education 131:20 149:22 151:24
E.A.P150:17 151:15,21 152:3
                                 Edwards 1:15 2:19,20 42:3,4
E.E148:16
                                  51:22,23 100:13,14,18,19,24
E.E.B.E 4:3,5,17,23 5:11,16,18
                                  101:4,6,12,17,22,25 102:5,15
 5:22 9:4,25 10:23 11:19,24
                                  102:19 103:2,5,14 104:9,16
```

```
105:5 156:2,3 157:5,12,16,23
                                  131:2,3,18 146:25 147:4
 159:14 161:4 162:17 166:5,20
                                  158:10,10 163:15 167:18,21
 167:14,24 168:7,13 203:10,10
                                  169:17,19 172:8 173:20 175:5
 203:11 206:3,4 208:10,11
                                  175:9 178:17
Edwards ' 106:8
                                 electricity 54:18 55:25 56:6,25
effect 207:16
                                  64:17,23,24 67:12 68:17 74:18
effected 183:6
                                  74:25 78:13
effective 6:2 10:18 31:13 32:21
                                 electrification 3:10,17 4:3
 44:11
                                  6:15 9:11 10:5,10 12:12,23
effectively 8:15 9:23 99:8
                                  13:5 34:4 37:6 45:11 51:16
effectiveness 31:19,21 32:2,3,8
                                  54:20 58:14 60:23 61:5 63:24
                                  75:16 130:16 131:22,25 146:24
 32:13 73:15
effects 72:3
                                  147:6 148:4,14
effectuate 170:24
                                 electrified 44:23
effectuates 130:21
                                 electrifies 9:23
efficiency 3:9,16,24 4:2 9:11
                                 electrifying 41:10
 10:5,10 12:11,22 13:4 14:18
                                 elements 161:13 162:4,13
 14:23 15:3,11,19 16:23 17:6
                                 elephants 86:19
 17:18,25 18:8 19:25 24:16,17
                                 eliminate 7:22 131:13
 26:24 27:9,21 28:7 29:5,24
                                 embrace 29:4
 31:8,13 32:6,21 33:12,19 34:3
                                 embraced 39:8
 36:2 37:6 43:2,10 51:15 54:19
                                 embracing 87:3,4
 60:10,14,20,22 61:4,8 62:13
                                 emergency 89:20
 62:17 63:11,23 65:16,19 68:23
                                 emission 67:7,8,11 112:13 131:8
 74:17,21 75:17 76:23 79:14
                                 emissions 28:13 53:20 55:3,8,24
 80:19 88:14 130:25 146:24
                                  56:20,21,22,24 57:4 61:14,15
 148:4,14 156:24 157:4 188:17
                                  61:17,18 63:19 64:18,21,25
efficient 7:21 60:13
                                  67:5 109:22 110:8,15,19 111:8
effort 7:21 11:2 39:4,5 40:5,10
                                  111:13,16 112:2 113:7 183:6,9
 41:5,21 44:21 71:11 86:13
                                  190:16
 94:10,12 116:6 118:4 153:10
                                 emissions-free 57:17
 189:19
                                 emphasis 4:24 147:22
effort's 40:23
                                 emphasize 93:24 182:6
efforts 9:14 11:6 13:5, 9, 19
                                 employ 185:15
 20:12 54:16,22 58:7,14 59:8
                                 employed 161:8
 66:16 74:18,19 75:9 78:25
                                 employees 154:10
 79:22 93:11 108:4 119:4
                                 employers 106:25
 131:25 136:15
                                 employs 73:4
                                 enable 65:5 130:10,18
either 36:11 64:11 70:15 110:6
 115:19 119:21 156:9 177:2
                                 enablers 173:15
 181:19 186:16,20 187:13
                                 enables 132:10
elect 65:25
                                 enabling 130:13 138:24
elected 172:14 176:13
                                 enacted 53:19 55:15
electric 55:4,9 57:4,12 58:18
                                 enactment 58:3 71:14
 59:11,24 63:22 65:2,6,13,19
                                 encourage 146:22
                                 encouraged 16:17 151:20
 65:22 66:2 67:12 68:9,22 69:7
 74:17 75:2,20 77:14 79:2 97:9
                                 encouraging 13:22
 110:21 123:9 124:10 125:3,6,9
                                 end-user 9:8,19
 125:17 126:6,12 127:3,5 128:2
                                 ended 145:12
                                 energy 3:9,16,23 4:2 6:22 7:7
 128:19 129:3,12 130:19,24
```

```
entities 66:22 111:17 140:14
 7:11,20 9:10 10:5,10 11:4
 12:11,22 13:4 14:14,18,18,23
                                 entitle 145:7
 15:3,11,19 16:23 17:5,18,24
                                 entity 105:12 180:19
 18:8,19 19:24 24:16,17 25:2
                                 entity's 8:19
 26:24 27:23 29:5,24 31:7,13
                                 enumerated 172:20
 32:6,20 33:12,19 34:3 36:2
                                 envelope 6:16 27:24 28:8,14
 37:5,7 43:9 51:15 53:20 54:3
                                  30:9 173:18
 54:4,6,18,19,25 55:2,2,2,7,7
                                 enviable 105:10
 55:20,23 56:2,6,7,11,14,17
                                 envir 191:5
 57:7,17,20,24,25 58:4,13
                                 environment 39:22,23 175:13
 60:10,14,20,22 61:4 62:13,13
                                 environmental 56:19 57:8 124:23
                                  125:13 132:13 138:5 139:6
 62:17,21,21 63:10,11,19,20,21
 63:22,23 64:2,2,9,11,12,16,19
                                  190:18 191:4
 65:15,19 66:4,5,10,12,17 67:3
                                 equipment 27:6 30:15 43:18
 67:7,18,19,21,23 68:2,23
                                 equities 197:22
 70:20,25 71:22,24,25 72:6,11
                                 equity 128:14,14 172:25 197:7
 75:12,17,20 76:2,17,22,22
                                 ESP1:8
 77:15,19 78:5,7,11 79:14,19
                                 especially 14:15 17:24 21:12
 80:19 81:7 85:16,20,21,23,24
                                  23:3 90:9 117:21 138:10
 87:9,10 88:11,12,13 89:7
                                  152:18 153:2 158:18 164:8
 90:23,24 117:20 118:22 119:4
                                 essential 138:25
 119:6 120:11,15 124:3,8,11,16
                                 essentially 193:3 206:21
 124:20 125:2,11,15 129:16,24
                                 establish 60:24 123:9 127:3
 130:2,3,6,13,18,25 136:14
                                 established 13:3,6 138:21
                                 establishes 5:2 13:7
 138:4,6 141:15 146:24 147:8
 148:3,14 149:15,19,23 152:6,8
                                 establishment 60:11
 152:19 156:24 157:4 188:21
                                 estimate 63:14 68:6
 202:19
                                 estimated 69:20 70:2,8,14,16,24
                                  71:4,8,13 72:13
energy-related 78:14
engaged 3:20
                                 estimates 77:22 174:24
                                 estimating 65:9
engagement 21:14 35:15 96:17
enjoy 154:13
                                 et 41:24 77:16 97:10 162:14
enormity 46:12 116:6
                                  200:14
enormous 46:5 80:8,10 117:2
                                 EV 58:23
 118:8 121:24 186:5 207:13
                                 evaluate 17:16 18:16 19:9 82:17
enormously 116:11
                                  143:21
enrichment 175:14
                                 evaluated 35:3
enroll 151:21
                                 evaluating 18:24
enrollment 151:4,15,17 152:2,3
                                 evaluation 16:14 44:15 145:20
 152:4,9
                                 event 42:19
ensure 5:13 7:21 9:22 12:10
                                 eventual 43:11 50:23
 25:12 140:16,16 142:7 145:5
                                 eventually 95:15 199:18
 150:14 151:5 190:25 191:23
                                 everybody 23:18 26:10 38:24
ensuring 4:24 14:16 24:21
                                  42:10 135:24 140:6 153:11
 138:13 166:17
                                  154:4,14 155:8 178:20
enter 166:11
                                 everybody's 140:7
entered 56:15 149:9
                                 everyone's 140:7,8
entire 109:10 182:7 185:2 201:6
                                 evidentiary 125:21 159:2
entirely 72:14 114:15
                                 evolution 12:11
entirety 37:7
                                 evolve 7:17 26:22 65:20
```

```
evolved 60:18 110:23
                                  experts 104:17
exacerbated 134:24
                                 explain 33:24 70:13 186:3
exact 46:25 75:7
                                 explained 132:7 194:11 199:24
exactly 7:9 16:24 43:11 82:24
                                  explaining 191:13
 95:5 102:7 111:7 116:4 140:7
                                  explanation 159:12
examine 32:25 91:11
                                  explicitly 11:11 190:12,13
examining 29:13
                                 explore 73:20
example 70:19 72:4 75:7,15
                                 expressed 188:23 196:11
 76:18,21 104:11 110:20 111:4
                                  expressly 24:9
 112:24 113:11 114:17 115:14
                                 extend 148:9
 115:15 188:10 192:23
                                  extending 129:11
examples 197:17
                                 extension 129:9
                                 extent 22:21 23:10 35:5 62:8
exceed 27:10 188:13
exceeding 188:17
                                   91:2 113:8 121:8,8 149:11
exceeds 128:18
                                   155:11 173:23 201:23
                                 extra 199:15
excellent 100:4
exception 139:20 208:12
                                 extrapolate 46:4
excess 79:7 106:25 176:9 188:12
                                  extremely 6:2 116:15 185:18
exchange 184:7
                                  extricate 15:15
exclusively 178:6
                                                 F
excuse 27:17
                                 face 134:21
execute 95:21
                                  facilitate 6:8 131:25
executed 73:10
                                  facilities 130:7
executive 88:3 195:3,5,13,17,23
                                  fact 20:17 24:8 80:21 81:9
 196:3
executives 195:2,15
                                   85:11,15 86:14 102:21 135:12
                                   142:12 149:10,21 154:8 161:2
exhaustive 94:15
                                   167:16 174:4 178:3 191:11
exhibits 158:24 159:5
                                 factors 192:21 200:15
existing 56:11 64:13
                                  facts 151:14
exorbitant 153:20
expand 75:4 92:7 175:9 189:8
                                  fail 18:4 199:7
                                  failings 49:6
expanded 57:15 59:8
                                  failures 40:12
expanding 75:14 147:7
                                 fair 79:4,9,10 133:21 139:22
expect 38:2 103:19
                                   140:16 142:7 146:8 196:12,12
expectations 22:10
                                   207:17
expected 7:16 9:21 48:25 103:25
                                  fairest 140:9
 108:8 118:13 132:17 161:15
                                  fairly 133:14 134:17 145:6,6
expects 63:4 144:17
                                  fairness 138:24 144:16 196:22
expended 72:21
                                  faith 15:10
expenditures 66:19 69:20 70:6
                                  fall 72:6 204:16
 77:18
                                  falling 207:21
expense 128:21, 25 162:3 171:5
                                  falls 48:4
 175:12
                                  families 163:8
expenses 161:18 196:15
                                  family 8:12 163:14
expensive 41:16 155:8 175:11
                                  far 27:10 77:15
experience 195:10
                                  fare 147:20
experienced 126:13,24 151:3
                                  fashion 82:12
experiencing 198:17
                                  fault 142:11
expert 107:7
                                  favor 51:14 203:2 207:25
expertise 22:2 86:5 195:10
```

```
favorable 145:8
                                  187:4,5
favored 33:8
                                 fiscal 36:8 84:8
favors 135:7
                                 fit14:13 139:12
February 123:16,24
                                 five 176:8
feder 11:19
                                 flags 81:8
federal 6:4 8:25 11:12 13:15
                                 flat 106:14 170:9,13,16
 22:17,23 23:12,15 43:22 50:12
                                 flexibility 26:9,13 48:24
 108:21 111:16 119:22 120:2
                                 flexible 16:14
 121:7 188:25 189:15
                                 flick 155:3
feedback 4:8,11 61:7 94:20
                                 Floor 1:8
                                 flush 31:16
 99:20,22,25
                                 focus 9:7,13,19 12:11 13:11
feel 23:8 47:7 137:7 143:17
 150:4 154:15
                                  17:9 22:16 24:25 31:20 32:9
fees 185:13
                                  60:21 74:16 75:2 77:8,13
felt 96:10
                                  97:17 119:24 120:16 138:9
field 93:5 192:8
                                  140:14 149:14 189:23
fifteen 7:12 76:9
                                 focused 29:12 34:10 65:22 66:2
                                  76:23 83:15 85:11,15 93:25
fight 41:4
figure 21:3 24:6 84:22 88:14
                                  99:3 132:2 139:21 201:25
                                 focuses 55:11 73:6 120:12
 204:22
figuring 20:14 25:22 35:21 83:6
                                 focusing 4:23 31:12
file 5:18 11:9 98:5 150:11,17
                                 folks 20:4 22:4 30:24 35:25
 158:15 167:4
                                  48:24 84:11 109:11 121:12
filed 4:5,16 5:10 10:7 23:13
                                  137:24 140:12,13 149:19
 53:17 54:5 61:20 71:2 98:5
                                  172:12 173:13 176:18,18
 123:15,22 124:18,20,21,23
                                 follow 43:4 146:15 181:3 182:12
 125:3,7,8,10,16,21 159:24
                                 follow-up 96:15
 162:10,11 183:21
                                 followed 160:6 171:23
files 160:19 162:8
                                 Following 58:2 61:2
filing 37:23 111:22 123:24
                                 foothills 106:16
 126:5 132:25 160:6 167:2,8
                                 footnotes 66:7 70:12
 182:15
                                 footprint 153:3
                                 Force 40:9
filings 160:8
final 2:6,8 85:19 121:20 159:19
                                 forces 43:2,6
 159:23 200:18
                                 forecast 95:7 161:10,17 170:13
finally 5:20 7:8
                                 forecasted 128:24 194:13
financial 24:21 40:19 191:24
                                 forecasting 77:24
 198:17
                                 forecasts 160:23
find 93:5 174:22 178:12 199:18
                                 forego 171:21
finds 162:15
                                 foregoing 210:3,6
finished 114:13
                                 foremost 153:18
finite 27:17
                                 forget 140:7
firm 180:21
                                 form 71:24 76:2
first 3:7,19 24:9,15 32:18
                                 formal 50:22
 42:10,13 48:20 52:15 53:9
                                 formally 57:19
 54:15 55:12,15 63:4 72:24
                                 formulate 47:18
 73:19 81:8,13 89:21 108:19
                                 formulating 47:14
 109:19 112:13 114:13 116:7
                                 forth 7:15,23 12:2 96:11 148:21
                                  166:23 168:21 182:8
 117:3 136:25 138:22 144:7
 153:18 156:4 168:18 169:6
                                 forthcoming 8:23
```

```
fortifying 194:6
                                 fulfilled 110:17
fortuitous 13:18
                                 full 13:20 37:24 55:14,15
forums 151:24
                                  132:19
forward 10:13 12:21,23 13:23
                                 fully 69:19 132:17 139:16 140:2
 14:5,14,21 15:17 16:18,21
                                  142:21 145:11,14
 19:9 29:21,24 34:6 35:14,20
                                 fun 38:12
 41:24 42:6 43:2 49:22 77:8
                                 fund 3:23 27:25 37:7 60:20
 80:17 81:18 83:20 84:12 85:6
                                  63:21 76:22 121:4 124:23
 85:24 91:4,12 93:11 95:4
                                 funded 9:3 58:24 65:5
 96:14,22 97:15,15 99:3,24
                                 funding 6:24 7:3 8:25 11:6,12
 103:20 104:21 106:9 107:18
                                  11:18,20 13:15,21 18:12 19:17
 108:9,20 113:5,17 114:4 116:9
                                  22:17,23 23:12,15,19 27:18
                                  39:17,18 41:24 50:11,12 70:20
 120:19 121:5 135:11 138:12
 139:13 143:23 146:9 147:12
                                  72:19 74:17 95:12 121:7
 152:10,19 157:7 160:9 174:23
                                  129:24 130:5,9 188:25 189:10
 175:17 199:21
                                 funds 7:22 72:20 130:15 189:21
forward-looking 22:15 58:6
                                 furnaces 27:3,22
                                 further 7:25 8:22 9:13 14:3
 82:25
fossil 6:22 27:12 65:17 66:3
                                  38:7 60:12 103:3 130:23
 75:15 190:21
                                  134:24 135:16 147:23 151:12
foster 58:8
                                  160:8 167:25 193:15 209:7
foul 89:5
                                 furtherance 129:15
found 92:21 186:20
                                 future 4:17 10:4 13:3 25:20
foundation 118:25 120:21 121:17
                                  34:12,17 66:14 68:20 69:20
                                  70:11,19 77:8 92:2,24 94:4,12
 135:16
four 8:12 37:8 71:5 107:3
                                  94:17,23 95:6,19,23 98:4
 184:25
                                  102:8 104:14 106:18 107:9
four-tier173:8 177:17
                                  115:19 116:14 118:9 135:15
fraction 195:14
                                  161:16 187:14 201:9
framework 4:20 6:9,17 7:15
                                                G
 11:25 13:3,8 16:20 26:21
                                 G.H.G183:6,9 187:20
 34:13 60:22
frameworks 19:25
                                 gain 39:19
                                 gambling 39:5
frankly 82:18 99:11
                                 gaps 104:24
free 27:16 28:19,23 29:10,15
                                 gas 9:24 17:24 26:16,20 27:2,2
 39:20,21,22 145:2
                                  27:6,20,22 28:7,12 30:6,14,20
freeing 41:9,10
                                  43:18 55:5,9,24 56:20,22
frequency 111:18
                                  61:14,15,17 64:18,21 65:13,15
frequently 115:21
                                  68:9,22 74:25 75:14 77:14
friend 178:13
                                  78:12 79:3 83:24 89:23 110:8
friends 177:15
front 74:8 173:16
                                  123:9 125:4,7,17 126:16,17,22
fruit 26:25 27:4 31:5
                                  127:3,15 128:8,11,22 129:4,13
                                  129:16,22 130:24 131:13,13,15
frustrated 91:2,3
                                  131:21 132:2,6 133:6 141:9,10
frustration 40:13 142:14
frustrations 41:7
                                  141:14 145:13 146:25 157:3
fuel 6:22 27:12 28:10 33:8
                                  158:11 163:16 167:16,22 172:9
                                  173:20 182:2,20 187:10,11,13
 65:17 66:3 145:13
                                  187:15,16,19,22 188:2 190:4
fuels 75:15 78:12 181:24 182:4
 182:5 183:13 190:21
                                  190:13,20,25 192:7 194:8,12
```

```
118:17 119:17 120:5 122:4
 194:13,21,23
gas-prone 190:8
                                  130:24 135:18,18
gas-sided 74:18
                                 goes 78:12,13,14 82:2 85:19,20
                                  100:11 143:11 145:8 147:21
gasoline 77:16 78:12
gateway 188:19
                                 going 12:22,23 14:5,13 17:13,25
gel 84:5
                                  18:21 19:13,15 21:18 22:8
general 10:18 74:21 141:7
                                  23:16,21 25:18,25 26:2 28:18
 187:12 192:16 195:22
                                  29:4 35:15,18 36:20 39:9,11
generally 49:13 123:14 134:4
                                  39:20 40:12,15 43:2 45:24
 141:21 159:12 195:5 198:24
                                  46:6 74:9 77:8 79:19 84:6,12
generated 64:12
                                  85:10 86:24 87:23 88:17,18
generation 55:3,8 56:13 57:4
                                  91:20 93:2 98:4,11 99:22,24
 64:2,24 66:5 72:5 79:23
                                  100:21 101:9 102:16,20 103:6
 130:12,19
                                  103:7,8,19,23 104:20,21
generators 72:8
                                  105:15 106:11,14 107:8,8,24
                                  108:8,18,20 112:22,25 113:6
generic 129:21
generically 10:24 189:23
                                  113:17 114:4 116:9 117:4,8,12
generous 170:3
                                  117:18,19 118:10 120:9,23
gentleman 109:12
                                  121:9 122:5 123:12 134:24
                                  136:9 137:24 143:22 147:12,20
geographic 117:8,14
geographically 118:2
                                  148:20 152:3,21 153:10,19
Geothermal 124:8 125:2
                                  155:10,17 159:10 161:11,13,18
getting 52:25 81:12 86:6,6
                                  162:2 165:5 170:16 174:10,23
 101:16 121:17 154:7 163:10
                                  174:23 175:16,17 179:2 180:16
                                  184:16,21 185:6,25 186:3,9,20
 186:17 201:19 203:24
giant 106:15
                                  186:23 187:4,6 188:9 189:21
give 35:4 46:25 52:24 80:6,7
                                  190:2 193:7 194:19,22,23
 82:10,23 88:6 95:9,12 104:15
                                  198:20 199:21 200:6,8,10
 104:22 113:10 115:6,20 140:11
                                  202:22,22 206:16
 141:2 146:16 153:12,12 159:10
                                 good 2:3 3:14 13:2 15:10 20:4
                                  21:8 33:3 34:16 50:3 51:9
 159:11 204:13
                                  53:3 87:7 89:21 90:9 93:4
given 46:24 48:11 146:8 163:21
 182:3 192:13
                                  99:5 100:4,5 103:17 111:6
                                  112:6 115:11 119:3 120:20,21
gives 70:5
giving 22:7 26:8
                                  121:17 122:18 123:3 136:20
                                  137:8 154:4,18,20 155:14
glean 108:13
Glendale 130:8
                                  161:5 177:15 178:13 183:11
go 14:6 17:21 24:18 28:7 30:18
                                  209:9
 36:18 38:23 41:11,15,16 42:17
                                 Goodrich 52:21
 46:14 47:15 53:3 59:22 80:11
                                 goods 153:20 154:15 155:7
 82:4 109:16,19 113:14 115:4
                                 gotten 36:14
 136:22 146:14 148:11 154:23
                                 government 46:9 108:3 120:4
 158:9 159:6 165:5 171:5,7,11
                                  121:13 180:12 183:15 207:12
                                 governor 84:18
 173:10,22 175:6 176:10 182:10
 184:12 190:24 200:9
                                 graduation 176:20
go-to 14:19
                                 granted 48:24
goal 5:13,14 13:4 41:8 53:23
                                 grants 189:15
 56:7 62:11 138:3
                                 granular 98:20
goals 7:20 11:4 13:6,11 14:18
                                 graphs 168:22
 27:11 58:10 73:10 107:2
                                 grappling 19:20
```

```
190:10
gravitational 41:2
gravity 41:4
                                 Harbor 204:7
gray 178:23,24
                                 hard 12:19 14:10 16:8,23 19:9
great 23:21 34:12 38:6 46:13
                                  20:19 33:13 36:20 42:6,11
 49:18 81:2,15 86:13,13 103:22
                                  49:16 74:5 80:13,14 81:13
 104:17,19 105:4 106:11,13
                                  83:12,13 96:23 99:11,18
 112:8 118:5 121:14,19 189:25
                                  100:11,23 108:14 136:21 137:9
greater 136:20 175:10
                                  137:15 162:21 178:19
greatly 68:16 69:5,13
                                 harder 17:19 155:7
Green 37:12 38:4 125:14
                                 hardships 134:23
greenhouse 55:24 56:20,22 61:14
                                 harm 89:5
 61:15 64:18,21 110:8 129:16
                                 hated 15:21
grid 9:24 14:16 56:8 57:18
                                 hats 20:18
 67:12 75:20 107:5 138:15
                                 head 140:4 164:21
 174:19 204:13
                                 headlines 197:24
Grisaru 52:20
                                 heads 102:20
gross 78:7
                                 health 24:22
ground 30:24
                                 healthy 21:9 142:15
                                 hear 151:13 160:25 163:17 165:5
grounds 125:10
group 21:6 117:13 152:7
                                  197:24
groups 20:3
                                 heard 61:2 65:17 86:9 119:2,12
grow 84:6 152:21
                                  119:13 120:13 143:17 145:6
                                  156:5 163:19 166:18 186:8
growth 58:4 66:17 128:21 138:7
 170:13
                                  196:10 205:22
guarantees 199:3
                                 hearing 31:4 41:25 77:9 125:21
quess 15:25 43:12 99:15 102:16
                                  146:8 210:8
 141:2 147:23 157:15,17 159:16
                                 hearings 133:14 144:18 145:5
                                  186:8
guidance 5:21 12:2 54:12 63:7
                                 heart 179:3
 190:7
                                 heartfelt 186:8
guide 104:23
                                 hearts 41:3
quidelines 138:20 140:18 146:13
                                 heat 6:15 9:20 63:24 130:25
quy 38:17
                                 heating 6:15 28:9,12 30:13,15
                                  30:18,20,21 126:22 128:9
guys 108:8
                                  130:17 146:25 173:20
               Η
                                 heavily 5:25 79:13
                                 heavy 131:3
halving 169:23,24
hand 9:18 33:2
                                 heavy-duty 59:5,11
handle 81:12 152:25
                                 help14:24 17:8 23:18,25 25:9
hands 41:12 106:3 202:7
                                  25:17 54:13 68:6,12 75:22
hanging 31:5
                                  79:18 86:9,9,9,14 89:9 91:10
happen 24:3 40:18 41:6 83:19
                                  116:16 136:10,15 140:17
 103:19,23 104:2,3,22 118:13
                                  200:16 201:8 203:23
 155:10 170:10 177:13,14 199:8
                                 helpful 16:25 17:12 35:17 80:17
happened 36:10 38:15 43:16
                                  80:22 83:10,23 86:8,12 96:3
 103:22 104:19 157:7
                                  99:3 105:3 114:7 142:17 144:4
happening 24:8
                                  149:13
happens 115:4 158:4,13 166:23
                                 helping16:18 33:7 34:24 35:9
 170:18 176:11
                                  64:17 65:5
happy 13:23 26:19 140:8 181:12
                                 helps 18:12 24:23 78:20 88:6
```

```
98:21 150:2
                                  49:18 51:24,25 105:8,9 168:15
hereof 210:5
                                  168:16 169:15,18 170:15,21
hereto 210:5
                                  171:3,8,11,15 172:11 177:25
                                  178:9,12 179:20 181:2 184:18
hereunto 210:9
                                  185:4,25 202:6 203:13,14
Hev 98:15
                                  206:7,8 208:15,16
Hi 192:15
hidden 172:24,25 173:2
                                 Howard's 109:8
hide 173:3
                                 howls 179:4
high 21:11 29:2 71:7 111:3
                                 Hudson's 141:11,12
 131:8 163:25 194:25 195:9
                                 huge 137:20,20,21
 198:12
                                 human 41:5
higher 27:6 67:16 72:7 130:11
                                 hundreds 93:14 168:21
 136:16 194:2 197:15 200:5
                                 hybrid 30:13,17
highlight 74:9 123:18 186:23
                                 hydroelectric 56:12
highlighted 5:8
                                 hypocritical 176:24
highly 40:15,16
hilltops 155:13
                                 I.S.O 93:18 98:23 152:23
HINES 210:3,13
hired 83:9
                                 I.S.O.'s 90:18
                                 I'll 205:18,24
historic 160:15,21 199:19,20
historical 55:16 160:22 161:3,8
                                 idea 82:25 93:3,4
                                 identified 12:25 19:5 20:8
 193:13
                                  22:22 24:9 190:19
historically 14:18 190:17
                                 identifies 22:16
history 15:9,9 153:13
                                 identify19:22 22:15 81:18,21
hit 91:15,18 92:19 104:6 107:4
 107:5
                                  91:23 117:15 152:8
                                 II 66:15
Hogan 160:11, 13, 16 161:6 179:25
                                 imagine 93:10 116:14 176:18
 180:9,14 195:4,5 196:19,20
                                 immediately 204:18
 200:7,10
hold 8:9 10:15 12:4 48:18 158:9
                                 impact 22:23 25:3 27:19 71:21
 169:9 173:4
                                  79:2 84:6 87:23 95:5 104:11
                                  104:13 112:25 129:11 136:3,6
hole 16:10
Holy 106:14
                                  140:23 149:7 162:2 183:23
                                  198:13,20 201:5,10
home 27:23 45:15 109:13 173:9
                                 impacting 82:8 98:24
 173:11 177:19
                                 impacts 23:5 68:7,10,15,19,22
homes 8:12 45:10 75:17 105:24
                                  69:7 71:19 84:15 87:10 90:24
hone 79:11
                                  94:3 121:11 127:10 133:3
honing 48:22
                                  152:21 182:18 200:20
honor 144:23
                                 implement 9:25 25:19 58:6 62:6
hope 48:3 174:4
                                  69:18 75:10 86:20 92:17,24
hopefully 109:13 116:10
                                  93:2 107:13 112:23
host 207:6
hour 113:20,25 128:3
                                 implementation 8:10 52:16 53:6
                                  53:10 54:17 71:10,17 73:16
hours 64:11 122:11 126:13 181:7
                                  94:15 95:17 102:9 129:22
house 45:11
households 8:4
                                  191:19
housing 62:18
                                 implemented 57:11 59:5 86:7
                                  95:18 173:12,16
how's 47:3,4
                                 implementing 59:10 63:8 93:5,8
Howard 1:16 2:22,23 38:17 42:8
                                  94:2 112:24
 42:9 44:19 45:3,16,21 47:3,25
```

```
84:18,19 126:6,8,9,14,15,17
implications 192:20
importance 16:7 33:11,13
                                  126:19,20,24,25 127:11,12,13
important 12:21 14:19 15:8 16:5
                                  127:22 128:2,5,8,12 137:22
 16:8,20 18:18 21:16 25:9,15
                                  149:23 150:7 152:14,21 158:11
 26:15 31:16 32:3 44:3,7,20
                                  158:12,12 163:14 167:17,19,22
 46:11,15 47:8 50:8,13,18,19
                                  169:11,14 170:14 171:22
 68:14,17 69:8 71:12 73:14
                                  178:15 185:9 194:8
 74:8 80:24 83:16 92:25 99:4
                                 increased 39:12,15 151:16,18
 118:20 136:7 140:15 141:16,24
                                  160:20 170:11
 144:5 148:19 149:6,12 164:9
                                 increases 39:13 60:8 126:3
 173:5 183:8,11 195:12 196:23
                                  127:5,9,16,19 128:18,22 129:3
                                  129:5 135:7 151:19 155:12
importantly 191:5
                                  169:12 200:20
impose 26:22
imposes 5:12
                                 increasing 24:25 53:22 59:18
                                  135:16 147:2
impressed 202:9
improperly 35:3,4
                                 increasingly 41:5
improve 8:3 152:9 177:18
                                 incredible 20:12,12,13
improved 90:2 142:5
                                 incremental 72:15
improvement 15:6,6 16:6 20:8
                                 incur 75:23
improvements 6:16 12:25 28:14
                                 incurred 66:21 69:17,24 70:17
 76:3 161:22
                                  102:3,14 161:10
improving 14:16 163:4
                                 independent 162:8
inappropriately 28:22
                                 indicate 126:2 194:5
incent 44:6 191:14
                                 indicated 3:25 8:6 23:11 50:20
incentive 9:8,19 30:14 191:15
                                  118:8 125:5 175:4 186:4 194:5
 191:23,24
                                  202:6
incentives 30:6,18 44:7,18
                                 indicates 5:9 10:23 151:2
incentivize 42:22
                                 indicating 23:14
include 6:20 53:22 58:10 72:17
                                 indirect 25:3 65:2
 73:8,11 101:20 106:7 113:4
                                 indispensable 73:16
                                 individual 13:11 24:14 79:5
 148:15
included 10:6 12:9 58:20,23
                                  111:4 162:13
 61:18 62:15 65:4 147:19
                                 individually 10:24
 150:12,22 156:15,20,22 182:9
                                 individuals 136:15
 182:24 188:11
                                 industrial 68:12 106:25 107:6
includes 30:8 53:16 54:2 61:16
                                  107:11
 62:20 66:6 128:16 129:24
                                 industry 59:5 195:8
 130:5 150:10 153:24
                                 inexpensive 32:10
including 6:15 9:19 20:18 48:19
                                 inflated 185:19
 50:6 53:21 54:18 56:4,11
                                 inflation 9:2 13:17 161:13
 58:17 59:18 61:17 62:17,19
                                 influence 6:24
 63:20,24 64:13 69:20 71:23
                                 information 41:24 52:15 55:13
 72:20 75:24 77:23 109:12
                                  55:16 63:15 65:12 66:8 67:22
 118:8 129:21 130:24 132:15
                                  68:5 72:18 74:14 76:10 83:10
inclusion 15:20
                                  88:7 89:10 96:10 97:8 98:2,20
income 8:4 28:23 62:20,22 130:4
                                  111:7 112:5 117:17 123:17
 153:22 176:18,20,22 185:10,16
                                  141:24 143:10 159:22 179:24
incorporate 104:6
                                  183:5,8 200:25
incorporating 9:23,24
                                 informational 53:9 92:14
increase 6:22 34:24 54:2 79:21
                                 informative 74:9
```

```
informing 167:12
                                 internal 150:25
informs 167:11
                                 internally 99:9,12
infrastructure 13:16 59:12
                                 interpreted 168:9
 72:10 75:22 111:12 131:13
                                 intervenors 162:11
 178:5 188:25 197:4
                                 introduce 193:3
initial 61:20 83:25 87:19 126:4
                                 inventory 61:15,16 109:23 110:8
 126:5 158:2,7 160:5 164:4
                                  110:15,18 111:25 193:21
 166:22 202:3
                                 invest 11:15,20 22:18 23:24
initially 165:19 167:15 178:21
                                  50:15 75:21 87:23 112:21,23
initiate 11:16 59:9
                                  113:4,10 200:4
initiated 3:22 60:13,19
                                 invested 62:18 79:13 80:18
initiating 54:9 55:11
                                  198:2,3
initiatives 14:14 57:14 64:6
                                 investigate 161:21
 65:11 71:20 115:17,18 152:19
                                 investigating 160:8
innovation 37:12 38:4
                                 investment 13:16 18:11 26:3
input 4:16 47:17 99:16 146:10
                                  75:19,20 89:24 117:20,23
 186:14
                                  120:24,25 161:19,25 189:2
inputs 73:3
                                  197:6,7
inside 21:2
                                 investments 62:14,16 63:2,11
                                  64:9 65:18 68:23 69:8 72:4,9
insight 9:24
insignificant 45:19
                                  74:25 75:13 77:18 78:14 81:22
installation 147:8
                                  117:22 120:7 128:20,23 135:13
installed102:13
                                  164:10 194:6 196:17,24 197:4
installing 191:8
                                  197:10
                                 investor 200:3
instance 135:9,25 188:14 195:15
instituted 54:9
                                 investors 138:24 154:12 196:22
institutes 6:9
                                  197:14 198:13
instituting 60:21
                                 involved 23:4 30:24 89:7 121:13
insulate 105:23
                                  141:17,21 150:24 154:23
integrate 8:25 13:14
                                  159:13 160:3 166:15 204:25
integration 58:13 77:25
                                 ironic 178:13
integrity 193:17
                                 irony 176:4
intend 11:16
                                 Island 176:2
                                 isolation 17:4 18:24 82:15
intended 4:20 154:10
intending 181:9
                                  84:13
                                 issuance 5:19 10:7 11:22
intends 11:16
intent 7:19
                                 issue 12:21 29:10,17 45:22 61:4
                                  89:9 136:12 149:14,20 152:5,5
intention 47:3,5
intentions 20:4
                                  152:6 165:14 181:23 183:13
interaction 47:14
                                  191:13 204:19 205:6
                                 issued 3:22 59:17 61:3 63:15
interconnection 133:5 147:5
 182:19 183:7
                                  65:12 197:8
interest 77:10 114:18 118:8
                                 issues 5:7 30:9 81:5 82:17
 134:16 153:18 201:4 204:9,24
                                  84:22 89:7,24 91:11,18 92:11
 205:11,13 207:2,5
                                  94:5 98:24 99:11 140:10 144:2
interested 12:5 47:11 132:19
                                  150:18 152:24 186:12,23
interesting 180:22
                                  201:16 204:25
                                 issuing 59:9
interests 132:22 196:15
interim 3:22 18:17 36:23 60:19
                                 it'd141:6
                                 it'll 39:22 52:18 104:22
 61:8
```

```
it's 142:17 176:9 183:4
                                  210:10
item 3:7,8,15 52:9,13,14 60:25
                                 jump 101:16 115:10
 79:14 89:10 90:14 92:22 101:9
                                 June 37:24 151:17
 101:14 102:20 108:19 113:24
                                 jurisdiction 84:14
 119:2 121:23 122:20,20 146:20
                                 Justice 117:13 125:14
 147:11 148:2,8,22 202:23
                                 justifications 167:10
 203:22 204:5 206:9,16 208:5
                                 justified 188:7
 208:17
                                                K
items 97:9 147:18 181:23 204:3
                                 Katie 3:11,12 20:9 26:20 37:2
 206:5 208:8,12,17,21,25 209:3
                                  47:6 50:2
                                 KEDLI 141:22
J1:17
                                 KEDNY 141:18,22
                                 keep 23:20 24:8 33:2,19 36:13
J.P123:15 141:11,12,14 143:12
 182:24,25 183:5 186:21 187:10
                                  36:13 46:11 136:9 154:9,10,11
 188:11,24 191:15,18 194:20
                                  192:19
J.P.s193:8
                                 keeping 16:22 34:25
Jackson 125:15
                                 keeps 38:13 161:7
James 1:14 2:15 122:25 123:4
                                 kept 23:3 36:13
January 47:22 112:14,15 123:10
                                 kerosene 77:16
                                 Kevin 3:11 12:16 147:24 192:15
 123:21
Jeff 195:5 196:20
                                  193:11
                                 key 4:17 54:17
jeopardize 6:21 7:10
Jess 105:9
                                 KeySpan 8:18
Jessica 52:18,23 53:5 99:17
                                 kick 37:23 38:3 50:21
 100:15 101:7 109:9,20 189:11
                                 kilowatt 126:13 128:2
 189:12 190:11
                                 kind14:11 18:22 19:17 20:11
job 41:21 80:13 81:15 90:9 99:8
                                  26:23 28:2,5,15 31:10,14,25
 105:11 106:23 154:24,25
                                  32:13,15 34:14,17 36:17 37:14
 162:20 165:22 196:7 202:15
                                  44:5,9 48:20,22 49:15 74:16
Jobs 13:16 189:2
                                  77:19 80:13 90:10 93:15
Joel 52:20
                                  115:12 137:25 140:3 148:5,12
John 1:16,18 2:21 3:3 38:17
                                  148:20 150:13 155:9 188:18
                                 kinds 40:7 153:13 154:3
join 41:19
joint 10:6 102:22 123:15,19,24
                                 know 12:24 14:22,25 15:7 16:9
                                  16:10,23 17:9,10,24 18:18
 123:25 124:9,11,12,18,22
 125:5,6,17,23 126:3 127:2,4,8
                                  19:4 20:15 21:7 22:4,5 23:25
 127:15,18 128:6,12,13 129:6
                                  26:10 29:2,3,6,12,19 30:5,11
 129:10,14,23 130:9,15 131:6
                                  30:14,24,25 31:24 33:4 35:11
                                  36:13,17 41:15,19 43:11,13,14
 131:19 132:3,8,12,20,23
 140:24 143:14,16,18 146:3,5
                                  43:17,21 44:10,12 45:21 46:5
 146:21 147:18 148:10,15,25
                                  46:17,19 47:16,25 48:23 49:2
 149:7 150:6,10,13,22,24
                                  49:7,12 51:7 74:6,7,13 76:24
 179:15,18 182:14 189:4 203:3
                                  77:9,10,13 78:25 79:12 80:12
Judge 123:2,6 145:19 148:7
                                  81:14,24 82:24 83:4,12 86:7
 160:5 166:8,21 179:21 181:4,4
                                  88:21,22 91:23 92:9,10,19,22
                                  93:21 94:2,4,6,11,16,21,24
 181:19,19 182:10 183:17 184:6
                                  95:13,19,25 96:16 97:23 98:2
Judges 122:25 144:8,11 162:19
 165:9 184:4,6 203:23
                                  99:12,16,20 100:10 101:21
July 1:6 58:18 113:23 114:22
                                  102:12 104:5,10,11,19 105:14
```

```
106:7,10,24 107:10,11 108:3
                                  184:4
 109:11,15 110:6 111:17,21
                                 laws 86:20
 112:14 113:3,5,8 114:14
                                 laying 28:5
 115:11,18,20 116:17 118:7,11
                                 lead 22:22 75:3
 118:20 119:2,10,15,18,20
                                 leader 118:22 178:14
 120:8,17,24 121:5,16,25
                                 leadership 4:21 20:21 52:16
 133:12,14,15 134:12,19,20,23
                                  53:11 115:8 129:17
 135:3,5,10 136:8,22 137:22,25
                                 leading 90:6 162:5
 139:20 140:6 141:3,6 142:16
                                 leads 154:2 161:17
 143:4,19 144:4,5 145:21 146:6
                                 leak 131:7,9,11
 147:13,14,14 149:2,4,7,18,21
                                 leak-prone 190:4,9,14,15 191:3
 151:8 152:17,20,24 163:6
                                  191:9,11,16,19,25 192:10,14
                                  192:17 193:3,4,21,25 194:7
 164:12 165:23 171:15 177:2,5
 177:10 178:13 180:11 183:9,21
                                 leaks 131:9 190:16
 183:23 185:14 187:19 189:18
                                 leaning 149:18
                                 learn 93:3 104:20
 189:20 190:23 191:5,13 192:22
 197:19 199:23 201:23 202:11
                                 learned 37:20 94:11 119:18
 207:19
                                 lease 204:6
knowable 46:3
                                 Lecakes 137:3,16 144:7 160:11
knowing 21:14 141:5 153:18
                                  160:14 168:2,11 179:10,22
 154:21,23
                                  180:6,10,20 183:17 184:2
known 81:25
                                  192:4,6
                                 led15:18 181:6,14
knows 15:21
                                 left 169:25 202:3 205:7
               L
                                 legacy 82:17
L.L.P191:21
                                 legal 85:19 179:14 180:19 190:8
L.M.I 5:6 7:5 8:8,10 9:3 20:8
                                 legally 122:3 188:6
L.S.E.s 66:23,24
                                 legislation 25:8,19,20 26:12
labor 153:25 161:19
                                  84:17,20,23 85:13,15,17,25
lack 15:13,14
                                  88:3 104:11
laid 37:22
                                 legislative 40:20
land 206:24
                                 legislatively 40:22
land-based 56:4
                                 legislature 172:15 173:10,15
language 26:15 29:20 31:12
                                  174:2 176:6 177:16
 35:24 50:9 190:2
                                 legs 35:7 122:14
large 23:13 37:4 47:16 57:23
                                 length 181:11
 105:17 106:24 107:4,6 155:16
                                 lens 87:8 120:15
 195:11,11 197:24
                                 lessee 207:17
large-scale 56:4,14
                                 lessons 15:7 16:7 37:20
largely 9:2 77:13 83:5
                                 let's 41:15 88:23 198:5
larger 14:13 18:25 21:16 22:24
                                 letter 124:22 171:16 179:12,19
 24:16 35:23 82:16 121:22
                                 level 13:11 27:7 43:22 44:16
largest 194:16
                                  111:3 120:3 134:16 162:12,12
laser 77:8 83:15 138:9
                                  187:20 197:7 198:12
Lastly 63:6
                                 levelize 127:8,19
late 181:8
                                 levels 27:9 31:24 193:2,14
latest 38:3
                                 leverage 9:22 120:2 207:13
launch 39:20
                                 leveraging 121:7
law 54:14 122:25 123:6 125:12
                                 levers 35:21
 144:17 145:19 175:20 180:21
                                 levied 184:24
```

```
27:24 28:8,11 29:9 31:3,3,4
levies 170:23 171:25
levy 170:9, 10, 17 171:9, 25
                                  32:13,24 34:7,16,18,23 35:22
 173:14 174:5 175:24 176:3
                                  41:24 42:6 43:13 49:16,19,21
lies 108:14
                                  68:19 76:18 80:15,16 82:14
life 154:13
                                  83:3,16 84:13 85:6 89:15
                                  91:11 95:19 96:6 118:16 134:6
lifted 36:10
light 121:22 131:2 147:3 201:6
                                  135:3,10,10,20 136:17 137:25
 201:11
                                  138:10,16 143:5,6,9,22 145:17
lighting 5:25 6:3,4,5 7:17
                                  152:18 159:17 161:12,14,15
 26:25 31:6 32:10 42:25 43:2,4
                                  188:19 193:13
                                 looked 13:10 28:20 144:2
 43:9,11,15 44:11
lights 155:4
                                 looking 12:21 13:23 14:11 16:19
                                  18:5,10,13,14 19:7,14 21:18
likes 202:12
limited 36:18 125:9,10
                                  22:8 23:19 27:11,13 28:14
limits 159:8
                                  29:16,25,25 30:17 33:13,18
line 34:11 113:22 114:21 132:3
                                  34:5,12 35:15 38:25 47:23
 168:20,20 172:21
                                  68:18 76:7 82:10 83:25 85:24
                                  86:17 87:3,13 88:15 90:15
lines 196:10
lip 87:6 90:25
                                  95:6,19 96:21 97:12,15 98:22
list 43:3 44:10 82:2
                                  99:10 101:19,24 106:6,9
listed 58:10
                                  107:18 110:20 111:3,4,22,25
listen 165:7
                                  117:19 133:25 135:15 136:2
                                  138:17 139:3 140:3 147:17
listening 138:18 161:4
listing 90:10
                                  148:20,23 149:11 152:13
                                  155:22 156:21 157:7 159:8
litigated 132:17 139:16 140:2
                                  160:21 163:20 175:16 201:14
 142:21 145:10,11,14 199:11
litigation 144:20
                                  204:10
little 17:17 19:16 26:2,17
                                 looks 17:5,19 24:20 26:6 27:14
 33:25 38:12 76:6 97:19 100:22
                                  33:24 44:15 87:2 91:5 110:18
 103:18 104:23 139:19 140:5,8
                                  112:2 147:22
 141:7 158:3,5 161:2 179:11
                                 loop 23:3
 181:10 193:14 199:15 205:21
                                 Lord 106:15
                                 losing 207:11
 206:17
live 177:21,25
                                 lost 20:18 25:5 85:14 140:21
lives 6:23 41:10
                                  146:2
living 115:2 165:3
                                 lot 15:10,13 18:19 19:11,12
                                  21:13 22:22 24:5 26:3 27:15
Liz 52:20
                                  28:3 31:5 35:21 36:20 38:19
load 59:13 66:22 72:4 76:12,20
local 152:16
                                  41:21 51:9,9 75:25 80:18,21
located 130:7
                                  82:21 85:25 86:5,23,24 88:16
location 117:23
                                  93:13 94:11 95:8,8 100:11
Loeb 52:21
                                  108:13 109:11,12,15,15 111:19
                                  111:24 118:7 119:15,16,19
logically 145:21
long 38:18 42:18 44:10 93:14
                                  120:13,25 121:12 144:21
 133:12,24 176:2 190:24
                                  147:17 149:25 152:13 181:7,7
long-term 83:24 138:24
                                  181:8 186:12 198:9,11 200:12
longer 17:22 26:16 31:12 81:9
                                  202:8
longstanding 57:6 205:6
                                 lots 167:8
look 10:11 12:24 13:3 16:6
                                 low 8:4 28:23 31:5
 17:15 19:17 25:11,18 26:8,12
                                 low-130:3
```

```
Manhattan 178:24
low-cost 72:5
low-hanging 26:24 27:3
                                 manner 62:10,18 195:6
low-income 129:25 149:23
                                 Manz 3:11 31:17 34:2 147:24,25
low-to-moderate 62:19,22
                                  157:10,14,18 188:15
lower 60:5,7 79:21 128:24
                                 March 4:9
 172:19,19 176:21 178:20 179:8
                                 Marco 52:19
                                 market 6:3 7:22 9:9 27:5,8
 193:20 199:18,20
lowered 195:3
                                  42:25 43:6,18 44:17 62:21,22
lowest 198:23
                                  72:3,7
luxury 97:16
                                 marketing 132:4,5
                                 marketplace 18:11 25:24,25
               M
                                  43:16
M1:12
                                 markets 88:17
Madam 2:5 209:4
                                 Mary 52:19
Maggiore 1:18 3:4,5 51:2,3 52:6
                                 Mas 84:22 88:14
 52:7 115:24,25 117:25 118:5
                                 match 32:25 150:17
 118:23 121:19 184:13,14 188:3
                                 matching 150:11
 188:22 189:25 191:7 192:5,12
                                 materials 132:5
 193:5 194:4,17 196:8 199:25
                                 matter 36:4 88:5 154:8 174:3
 200:8,17 201:15 203:19,20
                                  192:16 206:20
 206:14,15 208:23,24
                                 matters 88:6 144:13,20
magnanimous 40:10
                                 maximize 18:10
magnitude 44:21 45:17
                                 mayor 180:9
main 131:13,15,24
                                 mayor's 180:3,15,17
maintain 120:9 135:19 136:9
                                 meal 41:17
maintaining 87:9 90:22 91:5
                                 mean 18:2 19:8 23:20 29:15 30:2
 92:11 119:5 138:14
                                  30:3,4 35:9 43:8 46:21 82:24
maintains 132:9
                                  97:3 98:9 111:13 134:15
major 81:8
                                  170:16
majority 64:22 65:25 67:4 84:7
                                 meaning 70:9 90:25
 96:5 108:21 178:14
                                 meaningful 155:21,21
Makayla 52:21
                                 meaningfully 7:6
make-whole 140:22
                                 means 29:23 30:11 31:21 33:14
making 73:16,20 75:2 90:21
                                  73:14 84:11 97:22 121:10
 97:21 99:23 118:13 121:14
                                  138:11 143:22 154:24
 189:20 197:24 201:12
                                 measure 7:6
mal 192:16
                                 measures 5:25 6:7,10,13,17,20
Mamdani 125:16
                                  6:22 7:8,10,12,18 32:10,14
Mammen 3:11,14
                                  58:8 65:16 75:17 102:13
manage 111:12 144:20,24
                                  190:14 191:3 193:19
managed 60:2 147:9
                                 mechanism 128:17 171:6
management 20:9 21:7 48:5 114:4
                                 mechanisms 5:12 48:6,10,15
 131:5 193:17
                                  57:11 124:12 191:23 199:13
manages 202:8
                                 medium 59:4,11 131:3
managing 12:22
                                 meet17:13 18:3 32:21 57:8
mandate 44:25
                                  138:6 142:19 175:2
mandated 54:24 84:8 118:17
                                 meeting1:1,4 2:1,2 3:1 4:1 5:1
 122:3 152:15 170:2
                                  6:1 7:1 8:1 9:1 10:1 11:1
mandates 19:5 25:2 54:11 62:6
                                  12:1 13:1 14:1 15:1 16:1 17:1
 83:5 88:11 152:16 175:2,19
                                  17:23 18:1 19:1 20:1 21:1
```

```
22:1 23:1 24:1 25:1 26:1 27:1
                                  160:18 162:13 184:6 185:4
 28:1 29:1 30:1 31:1 32:1 33:1
                                  199:12
 34:1 35:1 36:1 37:1 38:1 39:1
                                 merely 175:18
 40:1 41:1 42:1 43:1 44:1 45:1
                                 message 108:11
 46:1 47:1 48:1 49:1 50:1 51:1
                                 messaging 149:3
 52:1 53:1 54:1,11 55:1 56:1
                                 messy 28:2
 57:1 58:1 59:1 60:1 61:1 62:1
                                 met139:4 142:23 188:20
 63:1 64:1 65:1 66:1 67:1 68:1
                                 methods 185:9,15
 69:1 70:1 71:1 72:1 73:1 74:1
                                 metric 64:22 188:20,21
 75:1 76:1 77:1 78:1 79:1 80:1
                                 metrics 16:15 34:23 48:23 55:12
 81:1 82:1 83:1 84:1 85:1 86:1
                                  73:5
 87:1 88:1 89:1 90:1 91:1 92:1
                                 Metropolitan 124:5,17
 93:1 94:1 95:1 96:1 97:1 98:1
                                 mic100:22 156:17 205:20,21
 99:1 100:1 101:1 102:1 103:1
                                 mid-September 207:15
 104:1 105:1 106:1 107:1 108:1
                                 mid-year 38:2,3
 109:1 110:1 111:1 112:1 113:1
                                 middle 146:2 176:18
 114:1 115:1 116:1 117:1 118:1
                                 midpoint 59:16
 118:17 119:1 120:1 121:1
                                 midst 75:12 76:4
 122:1 123:1 124:1 125:1 126:1
                                 Mike 161:19
 127:1 128:1 129:1 130:1 131:1
                                 million 58:20,21,25 64:10,22
 132:1 133:1 134:1 135:1 136:1
                                  126:18 127:5,6,7,9,16,17,18
 137:1 138:1 139:1,24 140:1
                                  127:20 156:6,24,25 157:2,3,6
 141:1 142:1 143:1 144:1 145:1
                                  157:20
 146:1 147:1 148:1 149:1 150:1
                                mind16:22 33:2,20 35:2 36:3
 151:1 152:1 153:1 154:1 155:1
                                  38:14 100:22 144:25 192:19
 156:1 157:1 158:1 159:1 160:1
                                  205:22
 161:1 162:1 163:1 164:1 165:1
                                 mindful 16:21 24:7 30:22 138:12
 166:1 167:1 168:1 169:1 170:1
                                  152:18
 171:1 172:1 173:1 174:1 175:1
                                 minds 40:17 41:3
 175:19 176:1 177:1 178:1
                                 mine 119:3
 179:1 180:1 181:1 182:1 183:1
                                 minimis 66:13
 184:1 185:1 186:1 187:1 188:1
                                 minimize 85:11 186:11
 189:1 190:1 191:1 192:1 193:1
                                 minimum 5:14 62:11,16 96:7
 194:1 195:1 196:1 197:1 198:1
                                  188:19
 199:1 200:1 201:1 202:1 203:1
                                 minus 108:16
 204:1 205:1 206:1 207:1 208:1
                                 minute 109:9,17
 209:1,11 210:1
                                 minutes 122:11,13
meetings 20:10
                                 misalignment8:7 90:12
meets 89:14
                                 missing 81:16 88:23
megawatt 64:11
                                 mission 120:10
megawatts 53:23,24 54:3,4 56:16
                                 missteps 15:13 16:22
 130:13 147:2
                                 mistake 87:12
mem 32:14
                                 misunderstand 145:2
member 125:16 159:25
                                 mitigate 71:18 193:18,19
members 53:8 133:9 171:17 176:5
                                 mitigation 200:15
                                 model 8:6, 11, 24 32:20 196:6
 176:5
memory 110:6
                                 moderate 8:4 127:10
mention 177:11 179:11 190:14
                                 moderates 129:10
mentioned 26:21 37:2 47:6 74:15
                                 modernizing 138:14
 93:17 94:8 106:21 117:3 160:5
                                 modifications 29:21
```

```
200:1 201:1 202:1 203:1 204:1
modified 90:2
modify 158:16,17 177:19
                                  205:1 206:1 207:1 208:1 209:1
moment 52:12,24 74:5 113:14
                                  210:1
 136:25 139:17 199:2
                                months 41:23 105:14 147:10
money 19:12 28:13 38:24 39:14
                                  189:13
 39:19 46:5 65:10 102:10
                                monumental 17:25
                                moon 38:14,22,23 39:3 40:12
 108:21 169:20 171:6 174:7
 176:17 191:8
                                  45:20 46:14
monies 23:6,24 95:13
                                Moreno 123:2,6 133:8,12 144:8
MONIQUE 210:3,13
                                  147:16 150:9 151:8,11 156:11
monitor 192:11
                                  159:16 166:2,6,21 167:2,23
month 126:13,23 128:3,9 140:22
                                  181:5,20 184:6 188:8 201:2
monthly 1:1, 4 2:1 3:1 4:1 5:1
                                Moreno's 148:7
 6:1 7:1 8:1 9:1 10:1 11:1
                                morning2:3 3:14 53:4
 12:1 13:1 14:1 15:1 16:1 17:1
                                morphed 15:2,23
 18:1 19:1 20:1 21:1 22:1 23:1
                                mountains 106:15
 24:1 25:1 26:1 27:1 28:1 29:1
                                move 3:7 10:12 16:18,21 26:2
 30:1 31:1 32:1 33:1 34:1 35:1
                                  29:21,23 37:25 52:13 80:3
 36:1 37:1 38:1 39:1 40:1 41:1
                                  81:18 83:20 91:4 96:13 113:5
 42:1 43:1 44:1 45:1 46:1 47:1
                                  120:18 138:12 168:15 203:25
 48:1 49:1 50:1 51:1 52:1 53:1
                                  205:21
 54:1 55:1 56:1 57:1 58:1 59:1 moved 43:19
 60:1 61:1 62:1 63:1 64:1 65:1
                                moving 2:10 13:10 15:17 74:22
 66:1 67:1 68:1 69:1 70:1 71:1
                                  80:16 90:11 93:11 100:22
 72:1 73:1 74:1 75:1 76:1 77:1
                                  121:5 135:11 139:13 152:10
 78:1 79:1 80:1 81:1 82:1 83:1
                                multi 148:11
 84:1 85:1 86:1 87:1 88:1 89:1
                                multi-family 8:13,20
 90:1 91:1 92:1 93:1 94:1 95:1
                                multi-year 154:21
 96:1 97:1 98:1 99:1 100:1
                                multifamily 62:17
 101:1 102:1 103:1 104:1 105:1
                                multinational 107:15
 106:1 107:1 108:1 109:1 110:1
                                multiple 63:10 106:21 197:18
 111:1 112:1 113:1 114:1 115:1
                                municipal 185:5,7
                                municipalities 185:15
 116:1 117:1 118:1 119:1 120:1
 121:1 122:1 123:1 124:1 125:1
                                municipality 185:8
 126:1,14,24 127:1 128:1,2,5,8
                                mutually 207:17
 128:11 129:1 130:1 131:1
                                                N
 132:1 133:1 134:1 135:1 136:1
                                N.E.N.Y15:24 188:13
 137:1 138:1 139:1 140:1 141:1
                                N.F.G199:11
 142:1 143:1 144:1 145:1 146:1
                                N.R.G125:10
 147:1 148:1 149:1 150:1 151:1
                                name 2:11 53:4 123:4 168:24
 152:1 153:1 154:1 155:1 156:1
                                  210:10
 157:1 158:1 159:1 160:1 161:1
 162:1 163:1,14 164:1 165:1
                                national 27:7 145:13 174:18
                                  187:16 204:13
 166:1 167:1,19,22 168:1 169:1
                                nationwide 149:24 198:7
 170:1 171:1 172:1 173:1 174:1
                                natural 28:12 57:9 75:14 77:14
 175:1 176:1 177:1 178:1 179:1
 180:1 181:1 182:1 183:1 184:1
                                  78:12 79:3 124:7 132:6 133:6
                                  181:25 182:19 187:10,13,15,16
 185:1 186:1 187:1 188:1 189:1
                                  187:19,22 188:2
 190:1 191:1 192:1 193:1 194:1
                                naturally 6:23 124:25
 195:1 196:1 197:1 198:1 199:1
```

ARII@courtsteno.com

800.523.7887

```
60:14,20,21,24 61:8,8 66:5
nature 80:13
nearly 64:21 173:22 175:5
                                  74:13 78:3,6 79:23,23 82:2
necessarily 19:5 29:3,13 82:22
                                  89:7 90:15 93:3,18 105:14
 114:14 145:8 186:21,22
                                  107:16,18,19 108:17 111:19
necessary 12:10 15:16 17:7
                                  114:15 118:20 122:22 123:12
                                  124:3,3,6,7,15,15,16 125:2,12
 18:14 37:25 46:18 54:12 57:15
 75:22 158:23,25
                                  125:13,20 130:12 134:20 138:3
need 10:12,15 11:11 15:6 17:21
                                  141:9 148:9 149:20,24 151:4
 19:15 20:23 22:3,6 23:6,17,19
                                  152:22 153:2 170:7 171:17,17
 24:5,24 25:18 26:12 27:23
                                  171:23 172:2,22 173:6,7,23
 28:7 29:8,21 30:9,12 32:13
                                  174:17 175:8,11,14,25 176:7
 34:23 35:22 36:16,18,20 43:5
                                  176:25 177:6,7,23 178:3,6,17
 44:20,23 45:14 46:9 48:17
                                  179:8,13 180:8 184:23 185:15
 49:4,15,16 81:15 82:8,10,18
                                  188:17,18 191:8,8 195:11
 83:15 84:11,16,22,23 85:17
                                  197:4 198:22,22 200:19 201:3
 86:2,14 89:22 90:3,11,13
                                  210:2
                                 newborn 109:14
 91:10 93:6,19 99:6,10 104:25
 106:16 108:18 120:14 121:3
                                 newer 140:12,13 193:4
 133:20,22 136:8,9 142:2,24
                                 newly 5:10
 143:5 149:21 152:18 175:6
                                 news 107:20,21 177:6
 177:4,7,12 185:6 188:11
                                 nice 137:7
 190:20 192:23,25 196:6,22
                                 nicely 30:14 82:12
 197:11,17 198:10,12,19 199:3
                                 nigh 122:12
 199:4 200:2 202:19
                                 nights 181:8
needed 20:15 52:23 54:13 81:23
                                 nine 151:16
 173:3 189:19 191:5
                                 ninety 13:24
needle 32:20
                                 nobody's 40:5
                                 non-68:14 191:16
needs 9:24 18:3,5 21:8,17 22:5
 22:12,16 24:5 28:20 33:6 35:2
                                 non-financial 9:10
 138:6 153:22 155:18 162:6
                                 non-L.M.I 9:5
 177:10,13 197:8
                                 non-pipe 131:18 132:2 191:20
negative 30:11 83:19
                                  192:3
negotiate 159:9 169:25
                                 non-ratepayer-funded 73:9
negotiation 135:21,22,25 164:19
                                 non-strategic 6:11,19 7:3
negotiations 123:23 129:10
                                 non-wires 130:6
 140:6 146:14 159:7 162:20
                                 nope 30:19
 166:15 169:19,22 170:5 184:8
                                 notably 135:19
 189:6
                                 note 68:14,18 69:12 71:12 92:25
neither 7:9,9
                                  118:20 136:7 141:16 142:24
NERC 152:23
                                  195:12
nervous 91:7
                                 noted 5:23 64:25 69:3
neutral 6:12 7:8,12
                                 noticed 204:18
neutrality 124:24
                                 noting 76:8
never 24:3 34:16 43:11 94:7
                                 notwithstanding 108:21
 137:3 141:15,17
                                 nuances 147:23 148:2
Neville 3:11 26:19 36:25 43:8
                                 number 4:10 5:24 15:4,20 28:6
 45:2,5,18 46:23 47:5 48:13
                                  46:2 48:5 50:5 59:18 70:23
                                  71:22 75:8 78:10 79:11 96:20
new1:2,9 3:24,24 8:10,24 9:20
 27:5,8 28:25 37:12,14,15 40:3
                                  97:9 131:16 133:13 134:2,6,15
                                  139:19 146:22 172:7 186:5
 43:22 56:16,19 58:15,23 60:13
```

```
98:10 100:24 101:6,12,17,22
 204:11
numbers 46:4 67:18 68:12 69:13
                                  101:25 102:15 103:2,5,14,14
 72:22 76:11 156:23 158:16
                                  104:16,20 105:5,19 113:12
 160:22
                                  118:5 147:16 148:18 149:12
                                  157:16,16,17,23 159:14 160:13
numerous 58:16
                                  160:25 166:20 167:14,24
NYSEG 141:9
NYSERDA 3:23 5:3,6 7:24 8:11,15
                                  168:13 171:15 180:14 183:10
 8:17,24 9:7,14 11:8,23 13:25
                                  184:10,10 188:23 189:25 191:7
 20:19 21:15,17,20 22:7,21,24
                                  192:5,12 193:5,7 194:4,17
 37:23 48:3,10,19 49:12 50:7
                                  196:8 200:17 201:15 203:21,24
 54:5 55:21 59:2 62:25 63:16
                                 older130:11 148:13
 66:23,25 96:22
                                 once 10:21 11:17 15:14 44:4,4
NYSERDA's 37:12 67:23 77:23
                                  93:4 158:13 202:6
                                 one-year 199:11
                                 onerous 174:15 176:3,3 202:16
O&R 141:14
                                 ongoing 63:6 97:13 129:19 177:7
objected 188:5
                                  189:19
                                 online 20:11 25:25
objection 194:25
objectives 12:13 54:14 67:10
                                 open 86:25 87:2 88:19
obligation 25:11 84:12,21 85:6
                                 operate 111:12
 89:8,15 97:20 138:2 204:24
                                 operation 5:22 56:15 64:8 67:20
obligations 25:12 84:8
                                  78:18
obliged 188:6
                                 operational 78:17
observation 179:21
                                 operationalizes 5:13
observations 4:7
                                 operations 124:10
observing 42:17
                                 opine 200:10
obtain 132:9
                                 opining 206:19
obvious 43:6
                                 opinion 40:22 166:3
obviously 27:10 34:22 48:13,16
                                 opinions 137:11
 112:24 113:6 115:8 143:19
                                 opportunities 17:14 34:24 36:9
 149:7
                                  88:16 120:2
occur 84:9
                                 opportunity 21:15 50:15 89:19
occurred 68:2 198:9
                                  132:20 158:15 159:4,11 163:21
occurring 6:23 198:18
                                  166:18 167:8 201:10
October 57:18
                                 oppose 124:22 143:16
offer 89:18 113:18
                                 opposed 115:2 141:3,4 142:9,9
offered 60:23
                                  142:15 143:20
offerings 4:21
                                 opposes 143:11
office 137:3 144:12,18 180:3,15
                                 opposing 180:5
 180:18 184:4
                                 opposition 125:4,7,9,11,16,23
offices 159:17
                                  206:18
official 200:19
                                 optimize 32:15
officials 172:14 176:13 204:11
                                 option 85:5
offset 105:25
                                 options 73:20 197:16 202:17
offshore 56:5 70:24 83:23 87:20
                                 order 2:5 3:16,18,22 4:4,14,19
 130:17
                                  5:9,19,20 6:9 7:16,23 8:4,13
oh 176:8 178:21 205:19,21
                                  8:21 9:12 10:3,7,14,20 11:4,7
oil 77:16
                                  11:10,23 12:10,20,20 22:14,19
okay 15:5 23:20 34:21 44:2,4
                                  24:5,8,16 25:16,16 27:13 28:5
 52:8,11 53:2 77:6 81:11 82:20
                                  29:18,20 31:18 32:18,19 34:2
```

```
pages 93:14 168:22 210:6
 34:6 37:2,9,19 42:13 44:24
 45:13,16 46:21 48:17 49:2,5
                                 paid 154:24 195:15
 49:22 50:5 51:8 54:9 55:11
                                 pain 137:21,21
 58:18,23 59:9 60:18,19 61:3
                                 painful 41:11 108:12 202:21
 61:10 81:8 88:14 89:11,12,17
                                 pair 30:14
 94:24 104:25 105:10 114:6,22
                                 paired 30:15
 123:8,14 125:24 132:8 133:7
                                 pandemic 134:22
 136:18 138:18,18 145:16
                                 pans 40:7
 147:22 149:9 153:5 182:3
                                 paper 16:11 17:19 59:17,21 71:2
 186:21 188:12,14 191:13 197:6
                                  107:22 145:20
 199:5 204:12,20
                                 paramount 90:5 97:3 152:25
orders 88:4 145:24
                                 parcel 79:12 166:16
ordinary 186:15
                                 parent's 164:15
OREC 107:3
                                 parentheses 31:19
                                 parents 164:20
organization 124:8 125:2 155:16
                                 part 15:24 24:14 27:10,14 30:20
organizations 8:22
original 158:9 164:23 166:24
                                  36:23 46:15,16 47:2,8 48:21
                                  77:25 79:12 93:7,10 99:21
originally 128:3,10 163:24
                                  111:21 115:12 117:11 118:3
outcome 145:7 154:19,20 178:20
                                  120:24 131:13 142:6 156:8
 186:10,15
outcomes 8:7 13:12 43:7 48:6
                                  166:15 169:21 172:18 180:11
 54:16 73:4 132:16 139:15
                                  202:15
 140:2 142:20 145:10 146:23
                                 participant 152:9
outgrowths 40:5
                                 participants 151:18
outlines 63:25
                                 participate 166:10
outpace 192:25
                                 participated 186:6
outreach 8:16 131:20 149:22
                                 participating 143:4
 150:8 151:23
                                 participatory 186:24 201:17
outset 9:6 93:4
                                  202:10
outside 21:2 35:7 48:17 77:15
                                 particular 15:19 16:25 35:19
 81:7 137:22,23 152:14 170:18
                                  76:8 107:14 111:8 134:25
 182:24 183:4
                                  148:15 188:16 189:24
outweigh 33:4
                                 particularly 6:4 42:12,20 74:17
overall 7:11 30:19 52:16 53:10
                                  107:15 169:8 176:25 178:13
 55:2 59:20 62:12 64:20 65:16
                                 parties 12:5 31:22 47:11,13
 66:4,12 68:24 69:9 71:9 72:25
                                  123:22 125:22 132:19,22 134:2
 73:15 74:21 75:13,18 79:18
                                  137:10 139:19 141:3 142:9,15
 89:9 153:5 183:12 190:21
                                  144:16,25 146:7,12,14 150:19
overseeing 37:5
                                  158:18 159:19 160:7 166:10,11
oversight 18:13 20:19 33:14
                                  166:17,19 167:6,7,12 186:13
                                  188:4 201:4,9,13 204:21
 73:8
overview 20:11 53:15 54:23 68:5
                                 partner-wise 119:21
 69:23 155:23
                                 partners 119:10
                                 partnership 59:3
               Ρ
                                 party 141:19 142:25 143:19
P.A83:24
                                 pass 173:9
p.m1:7 122:14,15,16,17 209:11
                                 passed 104:12 171:23
pace 135:2
                                 pat 80:25
Padula 52:19
                                 path 14:14,21 19:9 35:14 37:15
page 101:10 210:5
                                  74:21 99:3
```

```
159:3 160:6,22 170:11
pathway 130:12
patterns 69:5 77:23
                                 periods 37:21 55:6 70:14
pause 10:4,8 34:3,14 139:17
                                 permanently 48:2,3
 144:6 147:12 148:8,12
                                 pernicious 174:22
paused 31:11
                                 person 89:6 172:13
pay 41:17 46:14 71:22 72:16
                                 personal 136:25
 105:19 106:4 108:18 153:22
                                 personally 176:5
 155:6 165:18 174:11,12,13,14
                                 personnel 195:9
                                 perspective 28:4 29:16 30:2,3
 176:19 178:2 185:20 187:3
 202:17,18,18,19
                                  49:10 77:12 83:17 104:8 111:2
payer 173:20
                                  149:22 160:4 205:8
payers 70:6 130:4 131:20 174:8
                                 perspectives 134:20
paying 79:8 106:25 153:24,25
                                 pertains 9:5
 154:7 155:3 175:18 178:4
                                 petition 37:24
                                 phase 66:15,15 151:20
 186:17,18 187:2
pays 105:17
                                 phase-in 60:5
peaker 130:11
                                 phases 15:4
                                 phasing 60:8
Peggie 3:11 50:2,21
                                 PHILLIPS 2:7 156:16 209:6
Peggy 12:16
penalize 35:3 175:17
                                 philosophy 155:20
pencil 46:17 161:24
                                 phones 40:6,6
penetration 62:22
                                 phrases 171:20
penny 168:25,25
                                 pick 33:8 109:8
people 15:22 21:24,25 28:12
                                 picked 196:3
 29:4,11 31:22 40:15,16,16,16
                                 picking 29:5 82:19
 45:9 49:3 82:14 88:18,21,23
                                 piece 107:22 117:16 195:20
 88:25 89:3 90:10 143:4 154:6
                                  196:5
 154:18 159:8 163:7 176:19
                                 pieces 112:5
 177:4 178:22,23 179:8 180:4
                                 piled 36:5
 186:5,7 187:2 196:7 204:17
                                 pilot 131:4
people's 155:17 172:19
                                 pinpoint 117:22
percent 5:14,14 6:18 7:13 56:5
                                 pipe 131:11 135:8 191:3,16,17
 56:7 57:2,16,17 62:11,12,16
                                  191:19,25 192:2,9,10,17 193:4
                                  193:4,21,25
 68:25,25 69:10,10 106:25
 107:8 126:8,9,15,18,19,25
                                 pipelines 192:9
 127:11,12,13,22,23,23,25
                                 pipes 187:11 190:4,8,9,14,15
                                  191:9,9,10 192:14 194:7
 128:6,7,13,14,15 129:3,4
 136:4 151:16 163:15,16 164:23
                                 pivot 17:15 186:2 187:7 194:23
 164:24 167:17,18,21,21 172:9
                                 place 67:14 94:8 144:19 151:5
 172:10,21,21 176:8,8,10
                                  173:3 182:8 210:4
 195:16,22 196:2 198:7,25
                                 place-based 117:21
perfect 30:16 154:9
                                 Plains 106:12
                                 plan 18:20 21:22 24:19 66:13
perform 199:3,4
performance 4:6 5:7 10:16 16:15
                                  78:2 85:16,18,20,23 86:2,3
 48:23 61:6 73:5
                                  87:13 112:13,14 122:23 147:21
                                  157:11,13,15 170:14 194:21
performing 49:14
period 11:10 44:24 56:22 57:2
                                  199:10
 60:25 64:4 78:5 117:15 123:10
                                 planned 131:21
 126:11,21 127:4 128:4,10
                                 planning 9:25 40:5 44:24 58:7
 129:9 154:5 156:25 157:2
                                  59:13 80:16 82:5 83:24 85:21
```

```
85:24 87:18 89:24 96:18 97:10
                                 position 7:19 13:2,18 25:14
 97:10,15 129:22 190:4
                                  86:11 119:4 168:3,8 176:24
plans 35:20 75:19 83:11 89:20
                                 positions 8:24 13:20 126:5
 123:9 127:3 129:5
                                 positive 10:17 80:7 83:19
plants 130:12
                                 positively 30:7
platform 135:17
                                 possible 139:15,25 142:20
play 5:4 48:16,21 118:10
                                  160:24 176:10,11 192:18
playing 8:19
                                  205:25
please 2:11 3:13 52:12,23 53:18
                                 post 5:18 10:22 11:10 22:15
 54:7 55:18 57:5 58:2,15 60:9
                                  34:6,18 35:20 125:21 148:23
 61:11,25 63:13 64:15 65:8,21
                                 post-2025 96:23
 66:21 68:4,21 69:6,15 72:23
                                 posted 92:9
 100:23 109:19 123:2 156:16
                                 potential 46:18 69:19 85:7
pleased 50:5
                                  132:16
plenty 42:25
                                 power 57:17 83:21 87:15 113:2,4
plotted 47:22
                                  124:4,6,16 152:23
plug 59:20
                                 PowerPoint 53:14
                                 practicable 62:9
plus 83:4 87:24,24 88:2,3
pocket 198:5
                                 practical 62:8
pockets 41:13,13 106:4
                                 pre-87:24
point 6:3 18:23 19:10,19 43:16
                                 pre-filed 159:24
 44:4,8 84:10 94:23 104:6
                                 preceded 98:16
 106:8 113:19 116:8 136:7
                                 predict 46:24 70:20
 147:23 148:8 163:13,15 164:4
                                 prediction 47:20
 165:16,17,22 166:24 167:5,20
                                 predominantly 27:21
 184:19 185:8,24 198:6 199:16
                                 premiums 79:7
 202:2
                                 prepared 184:15 185:22
pointed13:14 32:5 74:12 133:19
                                 preposterous 175:15
 184:18
                                 prescription 30:5
points 18:15 20:24 91:15 162:18
                                 prescriptive 16:8 26:11,18
policies 59:10 90:20 132:14
                                  84:23
 136:20 138:4 139:6,11 152:16
                                 present 2:12,14,17,20 3:5 12:5
                                  47:11 53:9 69:25 136:18
policy 5:20 12:2 13:6 53:6
                                 presentation 12:15,19 14:9 51:7
 54:12 57:7 104:7 138:16 139:9
                                  53:12,15 54:21 65:18 73:23
 152:7,19 160:15 189:7 192:17
                                  91:18 133:8
policymakers 46:11
                                 presented 3:10 22:9 52:18 61:10
                                  79:15 95:25 114:10 122:24
political 38:20
                                  145:25 178:21
politically 185:17
polluting 130:11
                                 presenting 21:3
Poor 176:18
                                 presents 73:2
portfolio 4:6 5:16 8:9 9:6 15:3
                                 preserve 57:8
 32:12,15 34:12 37:4,13 60:14
                                 preserving 120:10,15
 61:6
                                 preside 123:5 157:25
portfolios 3:17,25 4:3,5,17 5:4
                                 presiding 166:9
 5:7,18 7:17 10:11,23 11:25
                                 pressure 19:10 24:2 71:23 81:7
 12:12 31:20 32:6 37:8,17
                                  85:9,10
 60:21
                                 pressures 24:7
portion 73:7 157:19
                                 pretty15:5 36:6 37:4 120:8
posed 4:12
                                 preventative 193:19
```

```
167:3,7,11 172:18 181:5,10,13
previous 50:19 74:20 157:11,13
 181:11,23 206:9
                                  181:16 182:7 183:7,25 186:6
previously 13:10 54:20 56:10
                                  186:24 201:17 202:9,11
 72:3,19 78:21
                                 processes 145:22 151:25
price 41:17 72:3
                                 procurements 70:21
                                 produce 63:4 146:3 155:9 173:14
prices 72:6 81:7 88:13 134:25
 135:2
                                 produced 154:16
primarily 20:2 82:19 128:19,23
                                 produces 132:15 139:14 155:21
primary 8:11 194:8,12
                                  202:11
prime 42:22
                                 producing 64:18 116:6
primed 42:25
                                 product 136:19 137:11 155:21
                                  159:19,23 166:13 189:6
prior 55:12 57:9 61:11 67:6,14
 68:3,8,19,20,23 69:3,24 70:10
                                 production 72:11
 71:14 98:6 110:15 140:25,25
                                 professional 40:15,16
 156:6
                                 professionalism 20:13 137:5
priorities 129:17 164:8
                                  144:9
prioritization 131:12
                                 professor 135:23
                                 profile 193:22
prioritize 93:22 94:23 131:8
prioritizing 92:11
                                 profit 196:16
priority 92:15
                                 profound 186:10
private 18:10
                                 program 4:21 5:4,17 6:18 7:2,5
privately 49:20
                                  7:13,13,16,23 10:2,15 11:11
privilege 137:2
                                  11:15 12:3 13:8 15:6,15 21:19
proactively 59:12 94:5
                                  22:18 29:24 33:8 42:16 43:25
probably 15:22 46:2 47:22,23
                                  47:10 48:11,18 49:11,13 50:11
 139:24 153:14 165:4
                                  50:15 54:25 58:19,20,24 59:17
problem 29:16 84:25 106:14
                                  65:3,5,24 67:9,13 70:3,15,16
problems 21:2 48:5 85:7 150:15
                                  70:18 71:6,7,8,8 79:8 93:2
                                  108:25 109:2 112:21 113:5,10
 151:3,5
procedural 37:15 142:12,13
                                  117:20 129:25 130:25 131:2,5
 184:5
                                  131:14 150:23 161:14 181:20
procedure 150:11 190:5
                                  192:11
proceeded 123:23
                                 programmatic 62:9
proceeding 10:25 54:10 59:9
                                 programming 6:6
 60:15 81:21 132:18 139:16
                                 programs 5:22,25 6:2,10,13,19
 140:2 141:4 142:21 143:7
                                  6:21 7:5,8,10,18 9:4,8,19,21
 144:10 145:13 187:2 188:14
                                  11:19 12:13 18:24 19:15,25
proceedings 10:6 63:10 96:21
                                  26:23 27:15,21 29:17 36:5
 123:5,21 129:21,23 130:23
                                  37:6 42:18 44:14 55:4 57:11
 187:3 210:7
                                  59:4,10 60:3,10,16,23 62:5,13
proceeds 11:20
                                  63:20 64:3,7 65:11,13,20,22
process 3:19 11:17 12:6 20:8
                                  67:3,17,24,25 69:18,25 70:25
                                  71:9,15,18 72:13,20,21 73:3,7
 37:22,25 47:8,9,15,17 48:21
 50:22 61:9 74:10 85:21 97:13
                                  73:9,14 76:16,17,18,21,23
 98:14 99:21 108:6,7 133:13
                                  78:21 79:6,14,16 92:17,20,21
                                  93:8,25 94:3 95:17,18,21
 139:22,23 140:13,16,18 141:25
 142:4,5,7,12,13,18,22 143:12
                                  102:8,11 103:10 104:14 112:25
 145:18 146:16 150:16,17 151:2
                                  118:25 119:14 120:4 121:4,11
 158:4 159:12,18 161:21 162:16
                                  130:15,22,25 136:13,14 147:3
                                  149:16,20,24 158:19 193:16
 163:2,5,20 165:15 166:4,12,25
```

```
progress 49:5 54:10,24 55:19,22
                                 protecting 138:23
 57:3 116:3 119:12,14
                                 Protection 4:22 52:17 53:11
progressive 176:17 185:9,10,11
                                  129:18
 185:12,14,20
                                 protects 132:8
project 66:16 71:9 102:9 111:5
                                 provide 50:15 53:15 54:12 55:13
                                  55:16 66:8 75:25 79:16 95:23
 119:5 125:12
projected 107:11
                                  123:16 130:3 132:11 133:23
projecting 170:9
                                  138:25 146:12 191:4,5 198:12
projects 9:17 55:23 56:3,15
                                  200:24 201:9
 62:13 64:7 67:19 69:18 71:4
                                 provided 8:3 98:6 145:10 153:21
 71:18 72:14 78:18 95:17
                                  201:20
                                 provides 5:20 9:13 10:16 54:15
 102:13 119:23 120:18 121:4
 130:10,16 131:5 132:2 133:5
                                  54:23 56:21 68:5 127:4,16
 135:11 147:6 162:14 182:19
                                  130:9 153:23 191:18
 189:15 191:17
                                 providing 4:11 67:11 68:10
promising 40:24
                                  76:19 130:12 138:23 189:18
promote 132:5
                                  201:5
                                 provision 140:22
promoting 57:7
promulgated 110:14
                                 provisions 116:21 123:19 125:4
prone 131:11 187:11
                                  125:4,6,7,9,17 132:20 150:10
prong 139:4,25 142:19,23
                                  150:12 189:5
prongs 138:19 196:21
                                 prudent14:23 19:14 23:8
properly 18:15,16 138:13
                                 prudently 86:21
property 128:21, 25 169:12
                                 public 1:3 2:4 4:15 12:6 59:22
                                  65:4 73:17 94:13 95:5,13 98:5
 170:10 171:4,6,25 172:7,21
 173:6,8,12 175:9 177:8 184:18
                                  98:6 107:25 112:6 114:8,9
 184:24 185:18 194:15 200:14
                                  115:21 124:2,14 125:12,19
 204:7
                                  133:14 134:6,8,16 144:17
                                  153:18 186:8,24 189:8 194:11
proponent 179:16
proposal 48:21 61:13,19,20,21
                                  201:22 202:11 204:9,24 205:10
 61:23,24 102:22 123:15,19,24
                                  205:13 207:2,5
 123:25 124:9,11,13,19,23
                                 publicly 23:11 24:15 49:20
 125:5,6,18,23 126:3 127:2,4,8
                                  98:21 99:9
 127:16,19 128:6,12,13 129:6
                                 published 56:19
 129:10,14,23 130:9,15 131:6
                                 publishing 73:19
 131:19 132:3,8,12,21,24
                                 pull 41:3 91:21 94:19
                                 pulled 110:21
 140:24 143:15,17,18 146:3,5
 146:22 147:18 148:10,15,25
                                 pulling 71:10
 150:6,10,13,23,24 166:18,22
                                 PULP 125:21 141:11,14 188:4
 166:25 171:19 179:15,18
                                 pump 30:15,20,21 42:23,25
 182:14 189:4 202:4 203:4
                                  187:11
proposals 3:10,16 5:18 8:23
                                 pumps 6:15 63:24
 10:7 11:9,13,24 12:5,6 14:2,4
                                 pun 154:10
 21:18 47:6,11 50:20 51:16
                                 purchases 168:24
 96:23 149:8
                                 purpose 116:2
proposed 11:24 84:20 158:20
                                 purposeful 9:16
 167:9 194:8
                                 purposes 65:8 76:11
                                 pursuant 63:5 66:16 67:13 70:25
prospective 70:8
prospectively 201:14
                                  102:10 119:14 126:10
                                 pursue 11:12 50:12 191:16
protect 48:6
```

```
pursuit 39:11,16 40:12
                                 quo 75:18
purview 206:20,24
                                 quote 42:22 94:14 194:7
push 43:20
                                                R
pushback 21:9 142:3
                                 R.O.E 200:5
pushing 31:10
put 35:19 41:12 44:20 45:8
                                 R.O.E.s 198:23
 68:12 71:23 72:21 74:3 77:7
                                 rabbit 16:9
                                 race 38:21
 78:21 82:12 83:23,24 87:20
                                 raise 99:11 142:14,16,23 170:17
 88:20,25 89:4 96:22 98:12
 106:3 114:19 119:3 127:24
                                  176:17 196:25 202:14
                                 raised 142:18 186:13,24 187:9
 144:23 145:19 147:14 150:13
                                  201:17 202:3 204:12
 154:19 158:23 160:9 162:22
                                 raising 86:8 185:21 193:22
 163:13 164:23 167:15 173:4,8
 175:14
                                 ramp 24:6
                                 range 4:11 68:25 69:9 139:15,25
puts 13:2,17
                                  142:20
putting 24:20 29:6 34:3 74:4,6
                                 ranges 69:4,13 95:8
 89:3,5 97:16 104:18 148:8
                                 rapidly 84:6,7
 165:17
                                 rarely 135:24
               Q
                                 rate 10:6,25 24:2,7,7 34:9
Q1 47:23
                                  68:15,18,22 69:7 70:6 72:15
                                  79:2 101:14,21 103:9,9 111:5
Q2 47:23
qualified 192:24
                                  122:22 123:9 126:11,22 127:3
qualifies 192:10
                                  127:6,6,7,9,9,10,11,12,12,13
quality 29:3 76:3
                                  127:13,16,17,18,20,22,23,24
quantifiable 207:7
                                  128:4,10,18 129:5 130:4
                                  131:20 132:25 133:21 134:9
quantifiably 207:10
quarter 61:6
                                  135:6,7 136:10 137:21,23
                                  138:11 140:13,18 141:4,5,10
quarterly 150:11
Queens 130:8 131:4
                                  141:11,12,13,17,20 143:23,25
question 36:22 43:20 78:24
                                  145:11,13,17 147:21 152:14
 100:15 101:7 102:16 109:20
                                  155:12 156:7,20 157:7,11,13
 110:5 112:7 114:3 118:6,14
                                  157:14 158:8,25 159:3 160:6
 121:14,21 156:5 165:11 170:7
                                  161:11 162:5 167:2,5 168:20
 177:21 182:10 183:16 184:21
                                  169:14,16 171:2 173:19,21,21
 184:22 185:6 187:12 194:18
                                  174:8,21 178:15 179:14 182:16
 200:6,19
                                  183:20,22 184:3 185:19 192:19
questioning 52:22
                                  193:12 194:12,12,14,14,15,21
                                  196:12 198:11 199:5,10 200:20
questions 3:12 4:8,12 12:17
                                  200:24 201:5,5,9 202:6,22
 35:12 38:7 42:5 47:12 50:4
 51:4 52:22 73:25 74:11,12
                                 ratepayer 6:24 7:22 9:3 11:18
 100:5,7,9 117:2 133:10 146:19
                                  45:23 50:16 207:5,9
 156:4 167:9,25 169:2 181:18
                                 ratepayers 11:5 23:22 24:10
 184:15 186:2,4,19 187:5,7
                                  25:4,6 36:7,9 48:7 50:10
 192:13 194:24 196:9 201:24
                                  69:17 71:19 72:15 81:9 108:22
quibble 139:8
                                  121:11 132:8 154:11 171:14
quick 117:3
                                  172:2 174:7,12,14 175:17
quickly 192:18 205:25
                                  186:9 196:4,13
quiet 179:6
                                 ratepayers 106:4
quite 116:25
                                 rates 59:24 60:2,5 69:22 70:7
```

```
136:7,8 137:2 138:3 139:10
 81:7 82:2 88:12 103:7,11,13
                                  152:13 155:19
 121:2 132:10 133:20 136:16
 157:20,21 185:19 194:9 195:13
                                 recognized 37:10 187:23
 197:2 201:10 202:15
                                 recognizes 10:20 11:5
ratio 76:12,20 128:14
                                 recognizing 99:6 137:20
rationale 29:13 135:11
                                 recollection 141:7
re-familiarize 3:19
                                 recommend 132:23
                                 recommendation 52:10 203:3
reach 44:24 149:23
reached 64:8 166:19
                                 recommendations 47:18,24 49:7
read 196:10
                                  51:14 59:18 146:11 203:22
                                  207:25 209:3
readiness 202:17
ready 58:19,23 59:16 63:22 65:3
                                 recommended 145:12,15,18 146:3
 129:25 131:2,4 155:13 157:2
                                 recommending 182:13 183:2
real 43:20 46:7 90:25 105:20,21
                                 reconcile 200:14
 105:23,24 107:3 175:9 176:23
                                 reconciliation 171:5
 177:8 204:6
                                 reconciliations 200:13
reality 42:13 85:9 120:4 121:14
                                 reconsider 10:11
                                 record 122:16,17 150:21 160:10
realize 119:22
realized 117:10
                                  183:12 196:16 204:10 209:10
really 15:8 16:4,22 18:18 22:9
                                  210:7
 24:18 26:21 27:15,23 34:3,5
                                 recover 76:16
 34:11 35:11,12,18 36:6,20
                                 recovered 65:10 69:22 70:7
 40:8,10 43:13 45:8,14 47:8
                                  71:16 72:18 76:24 88:12 95:15
 48:22 49:4,15 50:3,18 51:4
                                  102:10 162:6 195:13,17
 76:25 79:16 80:14 89:21 93:3
                                 recoveries 55:5,5,9 65:9,15,23
 93:15 94:7 103:15,17 107:20
                                  65:25 66:11 68:8 69:24 76:9
 108:7 109:10 111:6,14,18,24
                                  95:3 101:18,20 102:3
 114:7 118:25 119:3,22,24
                                 recovering 129:7
 120:18 121:3,23 133:18 137:2
                                 recovery 101:13 129:11 130:21
 137:6,7,8,8,13,15,17 138:9
                                  156:6 157:8 191:22
 144:8 148:12 150:7 151:19
                                 RECs 103:10
 152:25 174:2,23 176:14 186:14
                                 recuse 204:3
                                 recusing 206:5 208:13
reason 27:12 73:18 95:4
                                 red 81:8
reasonable 132:10 153:19,21
                                 redound 117:4
 164:4 197:2
                                 redounds 207:9
reasons 142:10
                                 reduce 64:17 75:17 79:18 121:10
                                  171:9 190:20,23
rebound 163:8
rebounding 163:7,9 198:18
                                 reduced 64:21 71:24,25 72:5
rebut 163:22
                                  79:6 136:3 193:13,14
rebuttal 123:22 159:4
                                 reducing 49:8 64:16 65:16 79:17
recall 114:5
                                  111:10 147:4 190:16
receive 13:24 14:2 47:17 62:5
                                 reduction 7:11 9:2 13:17 34:11
 62:11 133:5 182:19
                                  53:20 55:8 56:20 66:4 108:16
received 4:10 179:12
                                  112:13 129:16 131:14 136:13
recipients 131:21
                                  147:2 187:16 193:9
recognition 18:4 23:23 33:5
                                 reductions 55:3 63:18 65:2 67:5
                                  187:21 190:16 200:12
 134:20 168:4
recognize 17:20 29:20 80:8,10
                                 reevaluate 34:15
                                 refer 26:23 53:12 123:13
 81:12 84:16 85:13 86:23 99:18
```

800.523.7887

Page 250

```
reference 172:24 189:10
                                 relatively 6:23 171:24
referenced 78:20
                                 released 93:18
references 11:14 160:17
                                 relevant 190:5
                                 reliability 14:16 24:20 30:2
referrals 8:16
referred 3:23 5:3 54:21 113:24
                                   72:12 81:5 83:22 84:2,19 87:3
referring 48:16 112:19 116:14
                                   87:7,9,21 90:5,17,18,23 91:5
refine 93:9
                                   92:12 93:19 97:2,10 98:23
                                   119:5 120:11 122:2 135:19
refined 72:22 97:14 99:23
refinements 80:23
                                   138:4,12,15 152:24 191:6
reflect 67:25 70:8 177:22
                                   202:18
reflected 66:7 101:13 102:22
                                 reliable 130:10 132:11 197:11
 103:7 156:7 157:6
                                 reliably 133:23,24
Reflecting 114:6
                                 reliance 190:21
reflection 162:25
                                 relief 151:22
reflects 51:9
                                 reluctance 91:10
                                 rely 5:25 72:7 82:4 130:9 139:2
reform 177:7,13
refresh 110:6
                                 relying 44:2
refunding 129:8
                                 remain 92:15 93:21
regard 50:10 144:12 145:5
                                 remaining 69:4 132:13 190:24
 181:23,25 185:19
                                 remains 189:19
regarding 10:3 54:4 61:13 74:20
                                 remember 15:9 176:16
 132:25 133:5 182:15,18 195:13
                                 remembering 76:13
regardless 27:16 28:9 160:19,19
                                 remind 35:25 172:5
regards 150:16 151:4 166:18
                                 reminded 74:19
                                 removal 191:21 192:10
regressive 185:4,18
                                 remove 132:4
regular 3:8
                                 removing 191:25 192:10
regularly 192:8
regulations 86:21 145:4
                                 renew 56:16
regulator 193:23
                                 renewable 54:18,25 55:20,22
regulators 23:5 133:17 135:5
                                   56:2,6,7,11,14,17 57:7,16,24
regulatory 25:12 73:8 80:15
                                  58:4,13 64:12,13 66:5,17
                                   67:19,20 72:11 105:22 119:4
Reider 161:20
reinforce 10:14 135:13
                                   130:13 133:6 181:25 182:19
                                   202:19
reinforcement 80:7
                                 renewables 81:23 112:25
reiterate 205:23
reiterated 5:24
                                 renewed 60:22
reiterating 107:21
                                 rent 176:20
reiterations 18:7
                                 repair 131:8
reject 171:18 172:15
                                 repairing 131:10
relate 14:15 90:17 94:14 183:18
                                 replace 185:17 191:10,25 192:14
                                   192:18
 183:19
related 3:9 5:11,21 34:4 55:4
                                 replacement 131:14,21,24 187:11
 59:10 63:8 65:22 66:16,19
                                   190:3 191:16 192:11 193:2,14
 68:7 104:8 129:9 146:21 148:4
                                   193:16
 148:13 149:3 153:13 156:18
                                 replacements 132:3
 169:12 187:6,8
                                 replacing 131:11 191:9 192:2
relates 52:15 122:21 207:5
                                   194:7
relation 54:16
                                 replies 46:19
relationship 205:6
                                 report 4:5, 12, 15 5:8, 23 8:6
relative 8:2 65:11 72:18 73:15
                                   41:20 44:22 52:15 53:10,16
```

```
54:15 55:11,12 56:21,24 61:3
                                  185:11
 61:5,15 63:4 66:7,13 69:16
                                 resiliency 138:13
 70:13 72:25 73:6,19 74:4
                                 resolution 205:4
 77:24 81:13 83:22,25 87:16
                                 resound 15:8
 88:20 92:8 93:13,17,25 95:2
                                 resource 108:10 129:24
 95:10,25 96:6 97:7,17,24
                                 resources 36:21 56:11 57:7,9,24
 99:23 100:4,4,6 103:18 104:13
                                  58:13 62:10 63:22 64:14,16
 106:20 110:15,22,24 111:2,16
                                  79:24 86:15 105:22 124:7,25
 114:15 115:20 116:2,3,7,12
                                  130:19
 117:4,8,12 120:24 122:6
                                 respect 77:18 124:9 144:15
 152:23
                                  166:3 189:9
reported 66:20 73:21 210:4
                                 respectful 207:11
Reporter 210:13
                                 respond 48:12 179:2
reporting 16:12 62:20 63:2
                                 response 4:16 79:22 89:20 91:15
 133:4 150:16,19 182:18,23
                                  147:3 190:12
                                 responsibilities 5:5 7:24 18:9
 183:2
reports 27:23 66:15,20 72:17
                                 responsibility 8:11 9:14 36:8
 73:4 77:8 87:18 92:2,14 94:4
                                  49:9 57:8 138:19 163:3
 94:12,18,23 98:4 150:17
                                 responsible 11:5 14:23 19:14
represent 55:14 70:15 144:19
                                  23:9 50:10 163:6 201:7
 180:7
                                 responsibly 86:22
representatives 179:14
                                 responsive 11:25 90:19 97:17
representing 180:8,12
                                 rest 121:11 154:6 195:18 196:4
                                 restaurant 41:16
represents 75:13 126:15
request 126:10 160:20 167:5
                                 restrict 39:18
                                 result 5:15 7:11 45:24 64:9
 169:11,23,23
                                  71:21 72:4 132:15 135:21
requested 126:17 161:25
requesting 167:16
                                  139:15 142:20 164:2,5 165:19
                                  165:23 202:11
requests 63:16 65:12 68:5
require 6:24 8:14 17:14,15
                                 resulted 79:8 126:7
                                 resulting 123:23 129:8
 45:14 120:23 187:15,21 188:24
 195:3
                                 results 74:7 127:11,21
required 4:4 11:3,23 12:4 60:19
                                 retired 191:19
 79:19 110:7 150:19 162:2
                                 retirement 130:11
 172:24 197:10,20
                                 retract 19:16
requirement 57:16 110:16 112:12
                                 retreat 40:23,23
 126:3 129:3,4 178:10 182:18
                                 retroactively 36:11,12 174:8
 195:21,23 196:6
                                 return 39:14 122:15 128:14,18
requirements 62:15,20 63:8
                                  133:21 162:2 172:25 197:22
 67:21 123:18 126:2 132:24
                                  198:6,13,19 199:6
 133:4 158:3 182:15,23 183:3
                                 returns 154:14 196:23 197:13
 190:8
                                  199:2
requires 8:21 62:2,7 86:5,5
                                 REV 15:18 20:2 33:20 82:17
 129:14 131:8,10,19,23 132:4
                                  87:25 131:5
 146:16 187:20 193:18
                                 revenue 123:18 125:25 126:2
requiring 50:11 150:25
                                  127:5 129:3,4 158:3 167:17
research 37:13 38:5 149:25
                                  171:22 175:11 178:10 185:5,7
residential 27:2,22 43:18 59:25
                                  185:10,21 195:20,23 196:5
 62:17 68:11,15,21 69:7 107:9
                                 revenues 126:6,8,9,17,19,20
                                  127:15 158:13
 126:12,22 127:25 128:5,8,11
```

```
178:22
reversals 40:2,3
review 3:22 14:3 18:17,19 36:24
                                 RORY 1:12
 37:16,23 50:22 54:7 59:16,23
                                 ROSENTHAL 97:25 98:13,16 102:24
 60:20 61:9,9,25 63:15 69:16
                                  103:3,6 112:10,18,22 180:17
 73:21 93:9 158:19,21 160:3
                                 roughly 169:24 172:5 184:25
 167:3 168:23 195:5 207:3
                                 row 20:14
reviewing 19:21 159:22 166:16
                                 rule 173:9,11 177:19 193:18
reviews 3:25 37:4,5
                                 rulings 197:18
revised 82:19 89:19
                                 run 137:4 144:25 195:10
revisit 49:6
                                 runaway 171:22
                                 runs 48:4 206:22
revoke 177:18
reward 147:19
                                                 S
RG&E 141:10
rhetoric 105:16 141:25
                                 s1:14
                                 S.B.C20:2 87:25
rid 33:19 34:15
                                 safe14:17 132:11 190:25 191:2
RIDER 151:13
                                  197:11
riders 27:16 28:19,24
                                 safety 24:21 29:7 87:9 90:22
ridership 29:10,16
right 16:2, 11, 14, 15 19:10, 10
                                  92:11 120:11 138:5,13,15
                                  190:17 191:6 192:7,21 202:18
 21:8,17 25:13,21 26:4 28:2
 29:11 31:6 35:8 36:6 37:21
                                 Sag 204:7
                                 salaries 134:25 195:2,3
 38:9 40:9 44:3 45:4,5,9 46:22
                                 sales 128:24 185:11,11 190:23
 49:4,4,15 80:2,20 81:16 82:20
                                 Sane 125:15 141:15
 83:3 87:12 92:6 96:16 97:3
                                 SAPA 47:9 88:24 97:24,24
 100:12 101:7 102:8,16 104:9
 104:18 113:7,21 114:2,10
                                 SAPA'd88:20 98:11
                                 SAPAing 98:11
 115:14 122:18 133:22 140:9,25
                                 sat133:13 186:7
 143:2,6,9 149:4 155:13 157:24
                                 satellite 40:6
 169:18 178:7 179:3 184:2,9
                                 satisfaction 154:20
 193:24 194:3 202:25
rightfully 149:14 164:2
                                 satisfied 154:13
rigorous 161:21
                                 satisfies 153:17
                                 satisfy 155:17
rising 75:24 134:24 135:2,3
                                 save 28:13,13
risk 24:20 29:7 191:10 193:18
                                 saved 64:11
 193:19,22 194:2 200:12,15
                                 savings 31:7 34:10 55:2,7 62:21
risk-based 131:11
                                  64:2,19 67:5,15 72:12 75:3
rivalry 38:20
road 34:17 39:23 50:16 149:5
                                  76:2 149:4,5 188:21 199:17
                                 saw 110:25 111:19
 155:19
                                 saying 21:7 23:20 25:6,25 30:19
roadmap 25:13 54:6
                                  31:18 33:17 34:15 36:13 43:13
Robert 125:15
                                  44:4 49:20 72:24 81:15,18
robust 44:15 75:2
role 20:21 21:16 22:8,25 133:16
                                  86:12 87:6 88:13 96:12 97:2
                                  97:18 98:9 118:19 133:25
 135:4 207:12
                                  146:7 148:22 174:16 205:22
roles 5:2 7:24 9:6 18:8 49:9
 50:6
                                  206:21
                                 says 29:20 81:4,5,6 97:19 107:7
roll 2:10 155:13
                                  114:22 155:17 182:4 204:20
rolled 94:7
                                 scale 11:2 13:8 45:9,15 77:17
rolling 85:4 114:11,25 116:11
                                   77:20 120:7
room 86:19 153:13 155:13,23
```

www.courtsteno.com

```
95:13
scenarios 95:20
schedule 102:12
                                 sent 179:18
schedules 71:10,17 102:9
                                 separate 6:11 91:24 130:23
science 39:3
                                  180:19
scientific 40:20
                                 separated 55:17 64:4
scope 60:17 77:20
                                 separately 189:22
scoping 78:2 85:18 86:2,3
                                 September 3:21 37:2,9 60:18
scratch 39:7
                                 sequenced 37:9
scrutinize 167:8
                                 series 4:7 47:7 184:15 186:2
scrutinized 168:25
                                  187:5
se 32:3 187:15
                                 seriously 86:10,20 108:2 146:9
season 204:15
                                 seriousness 144:13
second 52:13 61:6 91:22 139:5
                                 serve 8:20 79:20
 158:10 168:17 204:20
                                 service1:3 2:4 60:6 87:6 90:25
                                  107:25 111:11 124:2,15 125:11
seconds 160:25
Secretary 2:5,7 156:16 209:4,6
                                  125:19 130:14 131:18,21 132:3
Section 98:2 116:22 204:6
                                  132:11 133:22,24 139:2 144:17
sector 9:3 54:22 55:25 56:25
                                  189:9 194:11
 64:24,24 78:19 110:21 113:2,4
                                 services 8:3 139:2 153:20
                                  154:16 155:7 185:5,7
 113:6
sectors 77:15 79:25 110:19,20
                                 serving 8:12 66:22 191:2
 119:8 120:3
                                 session 2:4 46:25 94:22 96:8
security 154:21,23 155:2
                                  100:9 114:20 122:12 141:2
see 13:22,23 16:16 20:20 21:21
                                 set 7:15 12:2 25:10 27:7 37:15
 22:9,13 29:4 30:11 35:14
                                  71:8 73:5 85:12 195:6,7
 36:18 40:10 41:18 43:25 44:16
                                 setbacks 41:7
 46:20 48:9 50:5 65:24 66:9
                                 sets 7:23
 70:6 79:22 82:12 83:16 85:6
                                 setting 25:12 41:2
 85:10 96:13 103:17 104:7
                                 settlement 123:23 129:9 138:20
 105:18 113:16,20 115:4 116:21
                                  139:22,23 140:13,18 145:9
 135:20 136:18 139:24 143:14
                                  146:13,14 162:16,20 166:12
 145:18 150:8 152:22 156:9
                                  170:5,11 171:19 172:16 184:8
 159:23 160:4 166:13 172:20
                                 seven 33:20
 175:7 176:23 179:2 188:20
                                 severe 75:24
 204:11
                                 shake 80:25
seeing 74:7 91:3 137:22
                                 shape 89:22
seeking 63:16
                                 shaping 83:11 97:7
                                 share 34:10 44:17 76:12,20
seeks 204:13
seen 32:10 34:9 40:11 42:14
                                  88:25 89:8 99:8,15 199:17
 58:16 85:5 90:10 134:9 140:12
                                 shared 135:23
 169:22
                                 shareholder 48:14 199:16
sees 19:21
                                 shareholders 173:2 174:11,13
                                  195:18,20 196:4,11,24 198:3
segment 8:21
selected 201:18
                                 shareholders' 196:14
selection 107:7
                                 sharing 21:24 22:2 31:4 87:13
self-enrollment 151:25
                                  98:21 128:16 149:5,5 199:13
Senate 178:14
                                 sharp 46:17
Senator 125:15
                                 sharpens 161:23
senior 133:9 159:25
                                 shell 9:20 27:24
sense 28:9 33:22 70:5 82:20
                                 shift 6:5,8 9:7 28:15 75:13
```

```
slated 117:5
 120:7
shifting 26:22 49:9 75:19
                                 slide 49:15 53:18 54:7 55:17
shilling 40:8
                                  57:5 58:2,15 60:9 61:11,25
                                  63:13,25 64:15 65:8,14,14,21
shoot 107:7
short 6:23 38:18 48:4 122:13
                                  65:21 66:6,21 68:4,4,21,24
                                  69:3,6,15 72:23 76:8,11 81:4
shortfalls 129:7
shot 38:14 39:3 40:12 45:20
                                  81:5,6 91:17,21,24 92:3,4
                                  95:11 96:25 97:2 109:17,19,21
show 55:7,8 78:3 95:11 101:19
 109:17 110:23 144:15
                                  109:22,24 110:12,16 112:21
showcased 20:11
                                  113:13,14,20 156:14,18,19
                                 slides 52:25 67:6 68:8 69:24
showed 110:22
showing 93:19
                                  76:8 109:18,18 114:9,17,18
shown 53:21 57:21 63:12 66:23
                                 small 68:11 131:16 195:20 196:5
 67:4,5,17,22 68:8,23 69:24
                                 small-scale 57:24
 70:9 119:11 156:14
                                 Smart 156:25
shows 56:24 57:2 65:14,23 95:5
                                 smiling 41:18
 115:15,15
                                 smoother 137:4
side 59:25 60:4 66:2 73:12
                                 snapshot 82:19,22,23 105:19
 77:14 103:13 116:5 157:3
                                 social 108:16 132:13 139:6
 158:10,11 163:15,16 167:21,22
                                 societal 33:3 68:24 69:9 106:2
 169:17,19 170:22 172:8,9
                                 society 39:8
 194:13 207:21
                                 solace 135:12
                                 solar 53:23 56:4 130:2 147:6,7
sign 179:15
signed 25:8 84:18 123:25 124:9
                                 solely 73:6
 124:11 134:2 141:9,10,12,14
                                 solicit4:8
 141:16,18 149:19 171:16
                                 solicited 61:7
 179:17 180:18,21
                                 solid 39:16 118:25 154:4
significant 4:10 55:21 57:3
                                 solution 30:16 204:22
 75:3,23 90:4,14 94:10 119:11
                                 solutions 30:13,18 91:9
 119:25 120:8,22,23 142:6
                                 somebody 40:21 159:10 169:10
 153:3 194:13 197:3 204:12
                                 somewhat 149:2 158:17
significantly 126:4 136:3
                                 soon 13:15 61:24 97:13
signing 180:5
                                 sooner 146:5
siloed 84:6
                                 sophisticated 186:14
siloing 29:17
                                 Sorrentino 52:20
                                 sorry 18:20 100:17 190:9 193:6
similar 89:17 110:25 182:8
 190:11 207:3
                                  198:24 199:16 205:20
similarly 43:17
                                 sort 16:11,19 18:3 22:14 25:10
                                  26:2,9,12 28:19 29:5 30:19
simple 155:4 164:12,13
simplify 94:13
                                  31:7 32:18,19 33:5,10 34:23
single 32:7 89:6 199:10
                                  37:24 48:9 96:15 106:10,11
singular 31:20 32:9
                                  114:25 118:7 137:22 139:21
                                  140:3,12 146:19 148:20 176:3
site 107:7
sited 147:8
                                  187:12
sitting 38:11
                                 sought 126:5 128:4,10
situation 84:17 195:16
                                 sound 24:22 137:12 142:13 163:6
situations 146:4
                                 soundness 139:10 143:14
                                 source 28:13 190:15
six140:22 176:8
                                 sources 56:6 64:13 70:13 77:23
size 27:16 68:10 160:20 184:25
skip 194:19
                                  202:20
```

```
70:20 71:2 76:18 147:20 204:8
space 26:24 29:11 36:3 43:10
 118:22
                                 standards 6:5 9:15 43:23 44:3,9
span 70:9
                                 standing 155:12
speak 22:6 26:17 48:17 49:5
                                 Star 83:22 87:15 152:23
                                 start 25:22 37:10 83:6 89:22
 75:4 156:17 161:20 167:4
                                  91:9 96:24 97:7,12,20 99:10
speakers 50:20 181:11
speaking 33:5 49:13 50:14 74:19
                                  101:15 118:18 161:2,8 165:7
speaks 11:10 49:2 120:25
                                  166:25 169:10,19 179:4 187:5
special 7:4
                                  187:11 199:16
specific 7:24 16:9 61:17 62:15
                                 started 14:25 18:20 36:24 81:20
 74:12 75:9 77:5 79:11 93:24
                                  136:2 165:8
 94:25 96:5 110:5 148:3,6
                                 starting 19:25 39:7 163:13,15
 156:14,19 181:18 193:8
                                  164:4 165:15,17,22 166:24
specifically 4:19 26:20 27:20
                                  167:20
 57:18 62:7 66:9 181:25 187:17
                                 starts 97:12 98:14 108:17
                                  160:21 164:19
 191:18
Speicher 192:15,16 193:11,12
                                 state1:2 8:12 9:20,22 13:6
spend 38:23 175:8 198:11
                                  18:12 22:22 27:5,9 43:22 50:4
spending 39:13 45:23 62:12 78:7
                                  56:19,22 57:3 63:4 73:10
                                  75:22 77:15 79:25 82:7 85:16
 78:17 175:2,5 181:9
spends 78:4
                                  85:20,21,23,24 86:9 98:22
spent19:8 78:11,17 80:21 93:12
                                  116:20 117:14 119:3,19,21
 116:4 181:7
                                  121:13 132:14 136:20 138:4
spinning 88:9
                                  139:7 152:15 163:5 172:15
                                  173:7,10,15 174:2 175:25
spoke 196:21 200:13
                                  176:6 177:15 178:14 183:15
spoken 109:24 198:15,16
                                  190:5 198:23 199:23 200:5
spot 120:20 147:15
spread 136:6
                                  210:2
                                 State's 7:20 11:3 56:5,10,12
stability 154:3
stable 154:17
                                  57:12 58:14 59:6 64:13 129:15
staff 4:4,7,12,15 5:8,23 8:6
                                  138:7
 10:16 19:20 20:7,18 22:5 23:3
                                 stated 127:2 129:17 187:24
 43:24 47:15 53:5,9 54:5 61:2
 61:3,11,13,19,24 63:15 65:11
                                 statement 124:21,24 125:8,10
 70:25 73:24 74:5 86:14,19
                                  155:15 184:22 186:8
 89:11 90:4 92:10 93:20 96:12
                                 statements 74:20 124:18 125:3
 97:12 101:16 109:12 116:5
                                  125:16
                                 states 11:15 38:20 175:23
 117:18 124:2,15 125:20 133:9
 140:25 143:7 158:18,18 159:6
                                 Statewide 5:6 9:14 13:12 56:20
 159:17,21,25 160:3,20 161:23
                                  65:6 66:22,24 76:19 77:5,19
                                  78:11 110:18 111:25 151:25
 162:6,10,19 163:18,19 165:9
 166:7,9 167:12 168:5 181:20
                                  152:5,6 195:25
 189:7 192:8 194:11
                                 static 84:17
staff's 46:16 162:9
                                 stating 124:22
stage 25:10 87:19
                                 stations 60:6 65:4 193:23
staged 3:25 47:13
                                 status 75:18 111:8 115:17
stakeholders 4:8,11 61:7 86:10
                                 statutory 25:11 110:16
stand144:19 181:13,13
                                 stays 170:9
standard 15:3 27:6,10 44:5 55:2
                                 steam 183:22 184:3
 60:14 63:21 67:3,7,18,23 68:2
                                 steer 58:9
```

800.523.7887

Page 256

```
subsidize 43:5 178:16
step 18:18 44:6,17 46:10 84:21
 89:8 146:2 158:5
                                 subsidizing 26:16 178:3
stepping 20:20
                                 substantial 4:15 51:8 56:12
steps 58:6 129:15,20 184:5
                                  62:5
stick 16:24 33:23 35:8
                                 substantially 60:11
stipulate 201:25
                                 substantive 142:10
stop 174:16 175:15,16,16
                                 substantively 142:18 143:14
storage 54:3,5,6,19 57:25 66:10
                                 success 17:22
 66:12,14 130:3,6 147:8
                                 successes 15:12 58:16
stories 38:13
                                 sufficient 22:12 52:9 196:25
storms 75:25
                                  198:19
story 38:18
                                 sufficiently 23:7 150:5
straight 145:16
                                 sugarcoat 82:11
strategic 4:20 6:11,13,17,21
                                 suggest173:2 179:6
 7:10 11:25 18:5 26:21
                                 suggested 172:17
streamline 13:8
                                 suggestion 113:19 114:3,3
streamlines 8:5
                                  115:11
street 178:23 204:8,21
                                 sum 72:12
strength 8:20
                                 summaries 20:10
                                 summarized 61:5 109:23 110:12
strengths 8:2
stretch 122:13
                                 summarizing 115:13
strike 133:18
                                 summary 54:16 55:4 64:5 76:9
                                  133:2 182:16
strikes 137:14
striking 138:22
                                 summer 97:10 204:15
                                 Sun 37:14,16 82:2
stringent 131:7
                                 supplement 61:21
strong 155:19,20
structure 6:9 60:17 104:13
                                 supply 76:25 138:6
 163:2
                                 support 6:7,14 19:22 22:4 35:13
structured 191:14
                                  36:21 50:16 57:12,15,23 58:9
                                  58:11,14 65:10 67:20 69:18
struggled 8:9 139:18
struggling 80:6
                                  70:17 72:21 79:24 90:3 107:2
                                  124:18,21 125:3,5,23 130:2,16
studies 78:3,6
stuff 30:25 39:2 105:12 164:15
                                  138:7 143:18 179:18 182:22
                                  189:18 202:22 203:23
 164:16
subdivision 98:3
                                 supported132:21 141:5 143:2,2
subject14:3 132:24 136:11
                                  143:5
 182:14
                                 supporting 75:16 137:19 143:8
subjects 131:6
                                  147:7 155:24 158:24
submission 158:2,7 164:23
                                 supports 143:10
                                 supposed 81:11,21 96:19
submit 11:24 89:18,19 159:4
                                 Supreme 197:18
 173:25
                                 surcharges 157:22 200:21
submits 166:22
                                 sure 16:20 19:21 20:25 23:7
submitted 5:11 163:20 194:21
                                  26:19 31:17 34:2 36:25 41:20
subscribed 210:10
                                  48:13 75:6 77:21 83:17 90:11
subscription 149:15
                                  90:21 91:22 93:23 109:15
subsequent 61:21 66:20 72:17
                                  111:24 117:11 121:15 156:5
                                  160:16 162:18,23 166:23 167:2
 73:21
subset 57:21 63:12
                                  180:2 181:7 189:20 192:9,23
subsidies 82:2
                                  195:8 196:6 197:11
```

```
targets 10:9 17:10,11,12,24
surrounding 105:16
                                  32:21 53:21 54:24 55:20 56:9
suspect 116:13 118:9
suspension 129:9
                                  57:20 59:20 60:25 88:4 129:16
                                  130:3 131:7 188:12,13,18
sustain 45:18
sustainability 138:5
                                  191:21 193:9 199:4
                                 task 46:12 47:16
sustainable 108:23,24,25
sweeping 36:15
                                 tax 169:12 170:10,10 171:2,4,25
                                  172:7 173:8,12,15 174:10,17
switch 131:17 155:3
switching 27:11
                                  175:24 176:3,19 177:8,8,18
sympathies 109:3
                                  184:18,24 185:10,11,12,16,18
system 14:16,25 15:6 57:13
                                 taxes 128:21,25 169:7,7 171:6
 74:25 75:3,14 80:15 90:18,23
                                  172:19,19,21 173:6,23 174:12
 96:18 130:20 131:16 135:15,19
                                  174:13,15,18 176:21 177:12,23
 136:9 138:12 150:14 173:9,12
                                  194:15 200:14
 175:10 177:8,18 187:22 190:20
                                 team 50:2 99:17 104:17 109:10
                                  114:4 137:6 162:25 168:5
 190:22 191:2 197:10 198:4
system-wide 61:17
                                  181:6
systems 58:12,17 60:12 79:19
                                 technical 9:16 12:4 47:7
 87:10 92:12 119:6 120:11
                                 technically 89:11 113:20
                                 technologies 32:8 42:22 43:3
               Т
                                  73:12 90:15
T89:24
                                 technology 32:7 39:3 65:6 131:9
T&D 81:22
                                 Teflon 40:7
table 69:25 70:5 71:14 110:21
                                 telegraphing 110:4
 164:23 169:20
                                 tell 176:9 177:3,4 189:3
tables 110:24
                                 telling 108:17 174:23
take 7:25 8:9 12:16,17 13:20
                                 tells 122:7 153:14
 20:19,21 46:3 49:7,16 74:4
                                 ten 78:9 143:4
 77:11 86:10 96:12 99:22
                                 tend 141:19
 107:12 113:9,18 115:6,19
                                 term 17:22 49:3 129:5 133:24
 122:13 129:15 136:25 139:17
                                 terms 17:5 18:5,14 30:4 33:6,12
 139:20 140:11 142:24 146:9
                                  39:10 43:6 45:8 51:5 55:19
 152:2 168:11 179:4 190:10
                                  90:15 91:18 94:6 95:3 96:16
 193:18
                                  111:13 118:15,16 143:25
taken 12:9 57:22 79:5 119:9
                                  149:18 150:2 161:22,25 164:12
 162:24
                                  164:13 170:7 174:25 190:19
takes 86:20 105:20,21,23 147:12
                                  197:19,22 199:5 203:3
 176:7 207:15
                                 terrible 172:13
tales 106:20,20
                                 terribly 185:23
talk 77:17 82:14 85:8 97:22
                                 terrific 49:21
 102:21 158:3 160:2,14 170:4
                                 territories 8:17
 173:4 177:11 200:13
                                 territory 111:11 130:14
talked 43:19 79:2 81:8 93:13
                                 test 31:25 160:15,21,22 161:3,8
 113:15 118:12 121:25 122:2,3
                                  199:19,20
 140:5 169:3,4
                                 testimony 123:22, 22 158:16, 24
talking 34:13 43:9 83:21 86:18
                                  159:5,24 168:22 184:7
 87:4,14,15,17,19,22,24 109:25
                                 thank 2:9 3:6,14 12:18 14:6,8
target 17:13 54:3,5
                                  28:17 34:21 36:19,19 38:6,8
targeted 9:2 65:16
                                  38:10 41:20 42:2,5,7,9,10
targeting 9:15 27:15 75:16
                                  44:19 49:19,23,25 50:2,24,25
```

```
51:3,6,10,12 52:10 73:22 74:5
                                  47:21 49:3,10 50:7,13,14,16
                                  50:17 74:3,8 75:6 77:7,12
 76:5,6 80:3,5 91:12,13 99:15
                                  79:10,11 80:7 81:15 83:14,15
 99:16,18,19,25 100:10,12,14
 101:2 102:16 103:15 104:4
                                  83:23 86:24 87:2 88:22,22
 105:4,5,7,9 108:12 109:2,5,7
                                  89:21,22 90:3,7 91:7 92:22,25
                                  93:3,7 94:4,11,21 95:10,18
 109:10 112:8 113:12 115:8,23
 115:25 118:6 121:19 122:7,9
                                  96:2 99:3,7 100:3,6,7 103:16
 122:10 133:10,11 136:21,22,24
                                  103:16,23 104:5,21 105:18
 137:13,16 144:8 146:18 148:18
                                  106:7,16,21,21 107:9,19
 149:12 151:7,10 152:11 153:4
                                  108:12,16,18 110:9 112:16
 153:6,7,9 155:25 156:3 162:17
                                  114:7,24,24 115:11 116:2,3,7
 168:3,6,7,12,14,16 179:9,22
                                  116:9,11,16 117:2 118:3,7,20
 179:23 180:21,23,24 181:5
                                  119:15,16,18,24 120:5,8,12,13
 184:11,11,12,14 188:3,22
                                  120:20,21 121:16 122:4,7,12
 194:19 196:8 200:2,17 201:15
                                  133:15 134:7,16,17,18 135:4,6
 202:23,24 203:12,23 205:13,15
                                  135:9,12,25 136:3,6 139:18
 205:19 206:2,6,10,13 207:23
                                  140:21 141:8,24 142:4,5,8,11
 208:6,9,14,18 209:2,9
                                  142:12,15,17,24 143:12 144:25
thanks 14:9 41:25 181:6
                                  145:25 147:16 148:19,19,24
                                  149:6,12 150:9,21 151:2 153:5
That'd104:16
that's 148:25
                                  153:12,17 155:5,14,15,18
theirs 82:9
                                  156:8 158:17 160:17 162:19
therms 126:23 128:9
                                  163:6 164:13 165:10,12 169:10
thing 17:20 40:18 48:2 77:7
                                  174:22 176:6 181:15,16 183:10
 93:24 97:19 112:11 134:18
                                  184:20,21 194:18 201:2,8,21
 154:4 164:14 169:6,11 177:13
                                  202:6,15 204:23 205:20,21
things 6:20 17:7 18:6,25 19:12
                                  206:19 207:12
 19:19 21:11 25:23 26:14 27:20
                                 thinking 77:9 78:25 89:8 114:16
 29:19 30:22 31:11,21 40:4,7
                                  139:21 164:17
 42:16,20,20 43:23 44:10,13,16
                                 thinks 162:6
 45:12 46:24 50:5 74:12 80:12
                                 third122:20 139:14,24 141:19
 83:19 84:4 85:8,25 87:8 88:3
                                  169:11,13,19,20
 88:4,5 89:4,23,25 93:3,13
                                 thirds 169:24,24 170:4
 94:14,17,18 97:9,21 99:4,12
                                 thorough 202:10
 104:25 107:17 110:14 114:16
                                 thought 104:15 115:7 145:22
 116:5 122:5 129:23 135:22
                                  201:18
 137:23 139:8 144:3,24 152:14
                                 thoughtful 137:8
 152:24 153:23 155:4 158:22
                                 thoughts 109:9 144:6
 164:7 168:18 169:3 170:6
                                 thousands 168:22 186:6
 177:12 178:18 193:21,23,24
                                 thread 32:20
                                 three 6:11 41:22 59:4 67:7,9
 198:10
think 13:2, 13, 17 14:19, 20, 24
                                  121:24 122:5 123:10 127:4,7
 15:21,22 16:4 18:6,17 19:20
                                  127:14,18,24 138:19 147:10
 19:23 20:23 21:8,23 22:2,18
                                  154:13 157:4 194:15
 24:4 25:9,15,16 26:12,14
                                 three-156:24,25 157:3
 27:19 28:4,18,20 29:9,17
                                 three-year 154:5
 31:15,17,20,24 32:19,22,24
                                 throw 19:11
 33:10 34:15,22 35:6,16 36:16
                                 Thursday 1:6
 36:20 38:12 43:8,17,24 44:14
                                 Tier 67:7,9 70:24 71:3,5 107:3
 44:20 45:6 46:8,10,15,16,20
                                 tiers 70:22
```

```
Tracey 1:15 2:18
ties 87:5
tightening 27:24 28:8
                                 track 54:10 104:23,24 116:2
Tim 156:11 172:6 177:21 200:13
                                 tracked 189:22
time 6:5 10:17 12:17 14:3 24:9
                                 tracker 19:3 114:11
 24:15 32:18 38:19,21 39:4
                                 tracking 63:2 189:17
 40:2 42:14,18 44:16 46:22
                                 traditional 31:24
 49:21 51:9,13 52:11 55:6
                                 traditionally 34:9
 56:23 57:2 60:2 64:3 67:18
                                 trajectory 45:13
 70:14 78:5 100:23 101:23
                                 transactions 16:11
 103:16 106:9 109:4 110:23
                                 transcription 210:6
 114:6 115:3 122:12 134:10
                                 transfer 207:15
 136:6 146:13 160:7 167:6
                                 transforming 6:3
 170:22 181:7,10 198:11 204:25
                                 transition 19:18 28:5,11 74:16
 207:16 210:4
                                  75:11 139:13
time-sensitive 98:20
                                 transitioning 34:20 66:3
timeframe 47:22 85:12 148:10
                                 translated 185:18
timeline 85:18 140:20
                                 transmission 54:19 55:23 56:3
timelines 37:16 147:5
                                  58:6,9,12 66:11,15,16,19 71:4
times 36:2 78:10 106:22 184:25
                                  72:10 105:21 107:4
 194:20 198:15,16
                                 transparency 108:5 109:9 113:16
timing 13:13
                                  114:18
TIPS 15:21
                                 transparent 73:17 108:3 118:3
today 3:11 4:14 10:4 13:20
                                 transportation 54:22 58:17,24
                                  78:19 119:8 124:5,17 130:17
 14:11,20 45:10 52:11,14,18
 53:8 95:25 99:21 100:10 107:2
                                  147:5
 107:6,13,18 108:19 118:15
                                 treating 45:10
 119:12,13,25 120:14 122:7,20
                                 tremendous 162:20,25 164:7
 122:24 174:3,16 181:3 183:24
                                 trend 152:20 195:24
 186:10 201:12,21 209:5
                                 trends 77:24 83:21 87:15 152:23
today's 13:7 94:22 122:12
                                 trial 159:21 160:3 166:7 168:5
told 86:12,12
                                 tried 164:13
tomorrow 98:12 174:4 177:14
                                 tried-181:15
 178:25
                                 triggered 128:17
tones 134:19
                                 trillion 78:8
tons 64:22
                                 trip 106:13
tools 18:19 207:13
                                 true 18:7 83:18 86:18 170:20
top 39:12 193:22
                                  193:6,7 195:24 210:7
topics 10:21 92:14 148:6
                                 truly 87:13,13 90:4 91:11 165:8
                                 truncated 114:17
total 56:13 61:16 63:17,25
 65:15 66:21 70:2,15,16,19,24
                                 trust 90:4 137:4 144:22,23
 71:2 72:12 83:18,19 84:13
                                 try 15:10 24:19 32:15 36:4
 95:12 110:19 126:9,14,20,24
                                  38:18 82:11 85:10 94:13
 127:10,21 158:12 161:18
                                  117:21 137:9,11 144:24 146:7
 195:14,23 197:5 201:11
                                  175:17 198:18 204:17,22,24
totaling 11:9
                                 trying 17:13 20:13,17 26:4,21
totality 204:10
                                  27:14,18 31:6,9 32:19 34:25
                                  35:10 38:12 39:7,19 40:9
touch 19:12 93:16
                                  46:24 90:19 98:9 139:12 140:4
tough 181:2
toughest 116:8
                                  140:11 149:18 183:8 198:11
town 41:16
                                  206:23
```

```
turn 101:10 125:25 147:24
                                 unionized 153:25
 156:11,17
                                 unique 9:22 169:8
tweaks 92:23
                                 United 38:20 124:11,20 175:23
twice 161:5
                                 universe 152:8
two 71:3,4 109:18 112:3 117:2
                                 unknown 83:5
 127:6,13,17,23 130:6 146:19
                                 unmarked 40:4
 147:10,18 156:4 160:25 169:24
                                 unprecedented 91:4
 169:24 170:3 180:4 181:18,18
                                 unquote 42:22 94:14
 184:4 192:13 194:15 204:13
                                 unthinkable 38:19
 206:4
                                 update 42:6 59:19 160:6
                                 updated 53:22 54:6 158:15
type 27:3 45:11 71:11
types 6:6,11 44:13 65:18 201:19
                                 updates 114:12 115:20,21
typewritten 210:6
                                 updating 116:9
typical 126:12,22 127:25 128:5
                                 upfront 174:24 175:3
 128:8,11 163:14 173:19 187:3
                                 upgrade 17:6
                                 upgrading 29:8
                                 ups 23:16
Uh-huh 166:5 171:10
                                 upset 143:20
ultimate 186:15
                                 Upstate 8:13
ultimately 23:4 70:6 90:21
                                 upward 24:7 81:6 85:10 152:20
 132:21 136:17,19 173:14
                                 usage 6:22 63:19 69:5 71:24
un 106:16 175:10
                                 use 7:12,21 30:21 31:18 60:2
unbottle 72:10
                                  65:17 66:3,3,4 69:15 75:15
unclear 22:18
                                  77:15,19 89:25 111:18 147:7
uncomfortable 147:15
                                  187:13,15,16,19 188:2,10
undergo 12:6
                                  201:13 206:24
understand 10:9 22:9 28:19
                                 useful 116:12, 15, 16, 20
 32:17 35:6 44:22 45:9 84:11
                                 user 185:13
 86:16 88:7 90:5 98:18 99:24
                                 usual 74:24 81:19 188:9
 106:17 140:17 143:19 153:2
                                 utilities 5:3,5 7:25 8:14 9:18
 161:7 164:22 165:3 167:9
                                  9:21 11:8,23 13:25 21:12,19
 173:6 180:2 197:23 200:18
                                  23:12,13,13 24:22 25:24 30:23
 206:22
                                  35:19 48:4,8 49:12 50:7 59:6
understandably 31:5
                                  61:12,19 65:10,12 68:6 69:5
understanding10:22 16:6 17:11
                                  82:6 83:12 89:13,18 96:22
 17:22 21:20 24:24 30:10 33:11
                                  111:16,23 119:10 121:6 133:23
 36:14 77:20 85:23 149:17
                                  154:9 155:18 189:13,21,23
 152:20
                                  193:8 195:15 197:3,16 199:3
understood 194:6
                                  199:14 200:4
undertaken 10:21 58:5
                                 utilities' 90:19
undertaking 59:16 189:16
                                 utility 3:24 13:11 17:17 37:5
underway 61:10
                                  48:4 60:6 63:16,23 65:17,24
undiscounted 78:7
                                  68:16 69:2,11 77:4 82:4 95:6
unfair 100:16 101:8 141:25
                                  102:14 111:2,6,9,11,15 125:12
 142:3,22
                                  133:21 136:2 138:25 159:4
unfortunate 205:5
                                  162:8 163:13 164:22 165:16
unfortunately 164:2
                                  175:23,25 176:16 177:11
unilaterally 173:7,8 177:17
                                  188:20 189:9,18 195:11 202:4
unintended 30:4,12,25
                                 utility's 138:23
union 168:23,23
                                 utility's 10:25
```

```
utilization 60:7
                                 volumes 128:24
utilized 16:16 31:6 33:21
                                 volumetrically 76:24
utilizing 89:23
                                 voluntary 60:2
                                 vote 51:14,14,17 155:24 179:4
utmost 144:11
                                  186:10 203:2,2,5 205:13,18
               V
                                  207:25,25 208:3,4
Valesky1:17 2:25 3:2 49:24,25
                                 votes 52:9 203:21 206:9
 52:3,4 109:6,7 112:8,16
                                 voting 96:9 103:8 153:6 204:3
 113:12 180:24,25 183:10
                                  205:24 207:21
 184:10 203:16,17 206:11,12
                                                W
 208:19,20
Valesky's 116:8
                                 wait 97:6 100:8 114:14 115:4
value 26:7,7 63:21 66:12 110:25
                                 waiting 97:16 115:3
 111:19 201:21
                                 Waldorf 52:19,24 53:3,5 75:6
values 57:9 66:9,10 68:18 70:7
                                  76:15 77:4,21 79:10 91:13,22
 70:13 78:19
                                  92:4,7 101:11,15,18,24 102:2
variation 71:7
                                  102:6,18 104:4,10 105:4
                                  110:13 112:20 115:10 117:11
varies 76:16 77:2
variety 71:21 95:20 110:19
                                  118:2,18,24 122:9 189:11,12
 136:13
                                  189:12 190:10
                                 walk 31:14 33:16
various 13:5 64:3 69:18,25 73:3
 76:16 78:25 79:25 92:17 93:8
                                 Walmart 124:4,15
                                 want 13:25 19:19,21 29:3 31:18
 93:25 123:21 129:15,21 130:22
 132:22 133:9 166:10 189:15
                                  33:16,22 41:19 42:10 46:13
                                  50:4 51:6 74:4 77:7,11 78:24
vary 68:15 69:4,13,13
                                  81:14 86:11 88:2,21,22 91:8
varying 76:24 112:4 134:3,19
vast 108:20,21
                                  93:23 98:19,25 99:2 103:17
vehicle 58:19 59:5,11,13,24
                                  104:21 109:10 111:24 115:10
 63:22 65:6 131:2,3 147:4
                                  116:5,24 118:14 135:24 136:21
vehicles 65:2
                                  136:25 144:8 145:3 147:14
version 114:17 193:3,4 194:25
                                  156:9 159:15 160:12 162:18,23
                                  165:7,8 168:8,18 169:2 170:23
versions 73:21
versus 5:6 48:3 49:12 50:7
                                  174:17 177:2,3 181:18 192:6
 67:16 166:7
                                  192:14,23 193:2 195:8 197:9
vetted 145:6
                                  197:15 202:14
                                 wanted 91:15 92:18 94:24 95:23
vexes 175:22
viable 85:5 205:3
                                  96:11 109:18 113:10 117:7
view 99:21 164:6
                                  146:4 166:6,14 182:11
                                 wanting 20:20 48:11
viewed 190:17
village 204:7,11,20 205:4,5
                                 wants 111:6 153:11 155:6,6,7,8
 206:18,19 207:12,16
                                  165:24 170:17
village's 206:18
                                 wasn't32:22 41:21 185:22
village's 207:10
                                 watch 43:25
vintage 148:13
                                 watching 44:14 109:13
virtue 114:9
                                 water 176:2
visual 53:15
                                 waving 81:14
                                 way 10:19 14:23 15:16 18:11
visually 110:22
vital 107:10
                                  20:14 21:16 24:6 25:2 26:11
voice 142:16 143:17
                                  31:10,25 35:3,16 38:16 40:21
volition 179:7
                                  41:11,18 42:17 56:7 76:15
```

```
80:17 82:11 85:16 87:4 98:21
                                 weigh 87:8 88:23 143:13 162:11
 99:13,14 110:23 112:24 113:11
                                  162:14 180:16
 115:20 121:4,17 137:12 150:2
                                 weight 85:19 196:12
 153:15 161:3 162:15,24 163:25
                                 welcome 94:20 122:19
 168:8,10,12 172:20 173:16
                                 well-intentioned 84:24
 174:14,18 175:22 176:17
                                 well-meaning 24:25
 184:21 185:4,20 186:11 199:18
                                 went12:19 20:9 39:5 41:22 80:9
 207:10
                                  116:6 145:11,15 147:17 163:5
ways 76:24 81:24 95:7 111:25
                                 weren't169:3,4 172:4
 118:12 152:9
                                 Westchester 173:24 177:22 178:2
we'll 3:7 13:24 14:4,6 39:2,25
                                  178:6 179:9
 41:23,24 47:15,17 48:22 52:13
                                 wheels 88:9
 80:3 96:13 104:14,14 115:4
                                 WHEREOF 210:9
 122:14 136:15,22 161:14,15
                                 white 59:17,21 71:2
 168:15 175:6,7 184:12 202:25
                                 whoever's 109:17
 203:25 207:24
                                 wholly 11:5 50:10
we're12:22 14:12 15:25 18:20
                                 wide 4:11
 18:22 20:17 21:7 23:21 25:6
                                 willing 16:5
 25:18,25,25 26:17 27:12,18
                                 willingness 96:3 155:20
                                 wind11:19 50:16 56:5,5 70:25
 28:25 29:5,12,25 31:9 34:13
 34:13,15,20,25 35:10 39:6,7
                                  83:23 87:20 130:17
 39:19 43:12 44:4 45:9,24
                                 winning 207:8
 47:20 50:11 52:25 74:9,21
                                 winter 97:10
 75:12,15,18 76:4 81:2 82:5,19
                                 wirelessly 40:7
 83:21 85:3,8,10,11,15 87:12
                                 wisdom 170:17,23 174:17
 88:13,15 89:23,25 92:5 93:2,4
                                 wise 142:18
 94:2 96:19,20 97:4 100:23
                                 wish 118:19 121:15 204:2
 101:24 104:12 106:11 111:4,21
                                 WITNESS 210:9
 111:22,24 112:2 118:16 120:8
                                 wolves 179:6
 120:20 121:9,17 122:19 135:10
                                 wonder 118:9 150:4 200:3
                                 words 24:19 50:17 74:3 145:20
 135:15 138:13 149:11 152:7
 156:21 163:7 166:15 174:10
                                  158:8
 179:11 183:8,23
                                 work 8:15,18 12:19 14:10 21:12
we've 14:12 17:11 25:23 27:4
                                  22:6 27:24 28:2 34:20 36:20
 28:6 32:10 34:8,8 39:21 40:11
                                  40:6 42:6,11 44:15 45:7 49:21
 42:14 43:9,19 47:22 49:20
                                  50:3 51:9 58:11 61:12 63:6
 78:17 80:18,21,22 81:3,22
                                  74:5 77:20 80:8,11 81:3,13
 89:4 90:8 94:7,11 96:24
                                  86:5,13 90:17,18,18,19 100:11
 118:12,24 119:14,18 120:21
                                  108:14 109:12,13 117:16
 121:6,16,23 135:14 136:2
                                  119:19,21 120:3,22 121:5
 140:12 145:13 163:4 189:17
                                  131:24 135:14 136:17,19,21
 198:15 200:21 205:8 207:4
                                  137:9,11 151:20 154:19,23
                                  155:6 162:21 166:7,8 168:4,9
we'll 154:19
we're 166:8
                                  174:6 178:19 204:21 207:17
wealthy 176:19
                                 worked 20:5 61:19 134:10 137:6
wears 20:18
                                  151:23 162:4 181:17
weatherization 45:11
                                 workforce 9:15 192:24,24
weatherproof 105:24
                                 working 17:6 20:3,5,25 21:6
website 114:19
                                  23:18 26:10 32:22 62:24 91:9
week 85:2 171:16 177:6
                                  99:17 117:13 121:6 137:9
```

```
140:17 147:6 150:14 152:7,7
                                 yield 72:11 127:11,22
 159:19
                                 York 1:2,9 3:24 9:20 27:5,9
workplace 154:16,17
                                  28:25 37:12,14,15 43:22 56:19
works 16:24 21:24 39:8
                                  58:16,24 60:14,21 61:8 78:4
world 165:3
                                  82:2 89:7 93:18 107:16,18,19
                                  118:20 123:12 124:3,3,6,7,15
worried 91:3
worry 24:2 26:5 33:17 105:17
                                  124:16,16 125:2,13,13,20
worse 48:5 165:5
                                  138:3 141:9 149:20,24 152:22
worth 201:19
                                  153:2 170:7 171:17,17,23
wouldn't 48:16 142:23 149:4
                                  172:2,22 173:6,7,23 174:17
 188:17 192:14
                                  175:11,15,25 176:7 177:2,6,7
wrap 140:4
                                  177:23 178:4,6,17 179:8,13
                                  180:8 184:23 185:15 188:18
writ 105:17
written 47:9 177:5 205:2
                                  195:11 197:4 198:22,22 200:19
wrong 101:16
                                  201:3 210:2
                                 York's 78:7 111:19 122:22
wrongfully 164:3
Wyman 124:8 125:5
                                 Yorkers 105:14 108:17 134:21
                                 yup 200:9
               X
                                                Z
x1:13
                                 ZECs 67:7
               Y
                                 zero 67:7,8,11
yeah 21:7 45:2 77:7 92:4,7
                                 zero-emission 56:8
 101:11 102:18 104:4 107:23
                                 Zohran 125:16
 108:13 110:13 117:11,25
                                 zoning 205:8 206:24
 118:23 134:15 147:25 170:12
 171:13 180:17,21,21
year 4:9 11:9 37:25 38:3,4
                                 0.22 195:22
 45:19,19,25 55:10,15,17 59:8
                                 01:10 122:14,16
 68:19 70:10 71:19,19 85:4
                                 01:25 122:15
 97:7,16 98:14,17 102:4 103:24
                                 01:28 122:17
 104:12,22 108:7 110:7 114:14
                                 02 68:25
 115:3 117:6,16 123:10 126:11
                                 03:27 209:11
 126:22 127:4,6,6,7,9,12,12,13
                                                1
 127:17,17,18,20,22,23,24
                                 111:9 195:22 198:5 210:5,6
 128:4,10,18 148:11 151:15
                                 1,000173:22,22,24
 156:25 157:2 158:8 160:15,21
                                 1.159:19
 161:3,8,11 162:6 173:21,22,22
 178:3 194:12 196:3,17 197:4,5
                                 1.2126:7
                                 1.36 68:25
 197:8 199:19,20
year's 55:12
                                 1.47 78:8
                                 1.6156:25
years 17:10 28:6 37:19 40:18
                                 10 78:10 91:6 106:25 107:7
 43:10 55:14 60:7 63:18 64:5
 67:24 68:20,20 70:10,10 71:16
                                  175:6
                                 10:301:7 2:2
 71:17 78:9 79:13 80:19 84:7
 91:6 93:8 97:14 102:8,11
                                 100 57:17 126:23 128:8
                                 10000 53:24
 107:13 135:23 140:11 154:13
 157:3,4 170:8,14 194:15
                                 10x 45:24
                                 11 204:7,21
 196:18
                                 11.2126:9
yesterday 83:22
```

```
68:3 70:10 71:2 78:20 141:11
12 105:13 198:3,6
120 56:2
                                   141:12
122 127:18
                                 2021 56:13 78:5
                                 2022 3:21 4:6 53:25 54:6,8 55:6
122231:9
                                   55:10,14 56:13,18 60:18 61:3
13198:4,6
13.1 126:15 127:25 163:15
                                   61:7,12,21 63:17,18 64:4,5,10
 164:24 167:21
                                   64:20 65:11 66:13,18,23,25
14 56:14 101:10 156:6 157:6,20
                                   67:24 68:20 82:19 102:4
140 78:4,10
                                   105:19 123:21 151:17 156:19
15 17:10,10 60:18 122:13 126:25
                                   157:6,11
 128:7 163:16 164:23 167:21
                                 20231:6 56:13 61:22 70:11
 172:10
                                   101:21 102:11 113:23 114:22
                                   123:10,16,24 210:10
15-minute 41:21
163 204:5 206:5,16 208:5,12
                                 2024 37:24 63:5 112:15 129:12
16th 123:16
                                 2025 5:18 10:11,22 11:10 22:16
17 42:19
                                   34:7,18 35:20,20 37:18 53:23
17.6126:8 158:11 167:18
                                   60:25 123:11 129:13 147:22
                                   148:10,23
173.3 127:17
18 105:13
                                 203 3:8,15 113:25 146:20 147:11
18-G-0068 141:15
                                   148:2,8,12,22 149:3
18-M-0084 3:8
                                 2030 53:24 54:3,4 56:8 57:17
18.2 126:19 158:12
                                   78:5
                                 2040 56:8 57:18
187.2 127:19
189 156:24
                                 206 58:21
19 92:5 95:11
                                 209210:7
1977 85:3
                                 20th 59:7
                                 21 78:13 172:9,21,21
1990 56:23
1996 60:12
                                 21.8126:18
19th 1:8
                                 217 127:16
                                 22 54:8 55:17
1st 61:20 123:10
                                 22-E-0064 122:21
               2
                                 22-G-0065 122:21
2 122:11
                                 22-M-0149 52:14 53:17
2.7184:23
                                 23129:4
201:6 62:16 71:16 85:3 92:3,4
                                 24th 210:10
20,000 45:10
                                 25 71:17 176:10
20.78126:14
                                 26 78:11
200109:2
                                 27 78:13
200,000 44:22 45:15
                                 28.1158:11 167:17
2002 60:18
                                                 3
2003 85:4
2008 60:15
                                 31:8 98:3 175:5
201 122:21
                                 3.769:10
2016 67:10 145:12,17 199:12
                                 3.8127:13
2017 141:13
                                 3:27 1:7
2019 53:20 55:16 56:23 141:10
                                 30 113:6
 141:17
                                 30.86126:25
202 52:14
                                 3000 54:3
2020 55:6,14 57:18,23 58:15,18
                                 31st 61:22 123:11 129:12,13
 63:18 64:5,10,20 66:25 67:24
                                 33129:2
```

```
60:1 61:1 62:1 63:1 64:1 65:1
35 5:14 62:11
                                  66:1 67:1 68:1 69:1 70:1 71:1
36171:17 195:16
368 206:5,9 208:13,17
                                  72:1 73:1 74:1 75:1 76:1 77:1
382.2 127:7
                                  78:1 79:1 80:1 81:1 82:1 83:1
                                  84:1 85:1 86:1 87:1 88:1 89:1
               4
                                  90:1 91:1 92:1 93:1 94:1 95:1
4.0127:12
                                  96:1 97:1 98:1 99:1 100:1
4.2127:11
                                  101:1 102:1 103:1 104:1 105:1
40 5:14 62:11 122:11 196:2
                                  106:1 107:1 108:1 109:1 110:1
44 78:21
                                  111:1 112:1 113:1 114:1 115:1
440,000151:18
                                  116:1 117:1 118:1 119:1 120:1
442.3 127:5
                                  121:1 122:1 123:1 124:1 125:1
4656:25
                                  126:1 127:1 128:1 129:1 130:1
46th 85:2
                                  131:1 132:1 133:1 134:1 135:1
47 157:3
                                  136:1 137:1 138:1 139:1 140:1
475 127:9
                                  141:1 142:1 143:1 144:1 145:1
479,000 151:19
                                  146:1 147:1 148:1 149:1 150:1
49128:15
                                  151:1 152:1 153:1 154:1 155:1
                                  156:1 157:1 158:1 159:1 160:1
               5
                                  161:1 162:1 163:1 164:1 165:1
5.8128:6
                                  166:1 167:1 168:1 169:1 170:1
5.9127:23
                                  171:1 172:1 173:1 174:1 175:1
50 64:21 136:4
                                  176:1 177:1 178:1 179:1 180:1
500 126:18
                                  181:1 182:1 183:1 184:1 185:1
517.5 127:6
                                  186:1 187:1 188:1 189:1 190:1
                                  191:1 192:1 193:1 194:1 195:1
               6
                                  196:1 197:1 198:1 199:1 200:1
6157:2
                                  201:1 202:1 203:1 204:1 205:1
6.3127:23
                                  206:1 207:1 208:1 209:1 210:1
6.7127:22
                                 70 56:7 57:16 113:5 204:6
600 126:13 128:2
                                 701 58:20
6000 53:23 54:4
                                 7500 134:7
63 78:17
66 56:5
                                                8
66P 98:2
                                 8109:22 113:13,14 198:6
680 56:16
                                 85 6:18 58:24
               7
                                                9
7116:22
                                 9109:19,21
7.2128:13
                                 9.2198:25
7/20/2023 1:1 2:1 3:1 4:1 5:1
                                 9.25128:13
 6:1 7:1 8:1 9:1 10:1 11:1
                                 9.6198:25
 12:1 13:1 14:1 15:1 16:1 17:1
                                 9.7198:25
 18:1 19:1 20:1 21:1 22:1 23:1
                                 9.75128:18
 24:1 25:1 26:1 27:1 28:1 29:1
                                 9.869:10
 30:1 31:1 32:1 33:1 34:1 35:1
                                 905:19 11:22 46:20
 36:1 37:1 38:1 39:1 40:1 41:1
                                 90-day 47:5
 42:1 43:1 44:1 45:1 46:1 47:1
                                 900130:13
 48:1 49:1 50:1 51:1 52:1 53:1
                                 95.9 64:10
 54:1 55:1 56:1 57:1 58:1 59:1
```