

1 6/20/2024 - Monthly Meeting

2 STATE OF NEW YORK

3 PUBLIC SERVICE COMMISSION

4 MONTHLY MEETING

5

6 Thursday, June 20, 2024

7

10:37 a.m. until 1:15 p.m.

8

ESP, Building 3, 19th Floor Boardroom

9

Albany, New York

10

11 COMMISSIONERS:

12 RORY M. CHRISTIAN, Chair

13 COMMISSIONER JAMES S. ALESI

14 COMMISSIONER DAVID J. VALESKY

15 COMMISSIONER JOHN B. MAGGIORE

16 COMMISSIONER UCHENNA S. BRIGHT

17 COMMISSIONER DENISE M. SHEEHAN

18

19

20

21

22

23

24

25

1 6/20/2024 - Monthly Meeting

2 (The meeting commenced at 10:37 a.m.)

3 CHAIR CHRISTIAN: All right. Good  
4 morning, everyone. I call this session of the Public  
5 Service Commission to order. Madam Secretary, are  
6 there any changes to the final agenda?

7 SECRETARY PHILLIPS: There are no  
8 changes to the final agenda.

9 CHAIR CHRISTIAN: Thank you very much.  
10 Before moving to the agenda, I will conduct a roll  
11 call of Commissioners. When I call your name, please  
12 confirm that you are present. Commissioner James  
13 Alesi?

14 COMMISSIONER ALESI: Present.

15 CHAIR CHRISTIAN: Commissioner David  
16 Valesky?

17 COMMISSIONER VALESKY: Here.

18 CHAIR CHRISTIAN: Commissioner John  
19 Maggiore?

20 COMMISSIONER MAGGIORE: Here.

21 CHAIR CHRISTIAN: Commissioner Uchenna  
22 Bright?

23 COMMISSIONER BRIGHT: Here.

24 CHAIR CHRISTIAN: Commissioner Denise  
25 Sheehan?

1 6/20/2024 - Monthly Meeting

2 COMMISSIONER SHEEHAN: Here.

3 CHAIR CHRISTIAN: Thank you. Before  
4 we turn to the regular agenda, do any Commissioners  
5 wish to recuse from voting on items 201 or 302?  
6 Commissioner Alesi?

7 COMMISSIONER ALESI: No.

8 CHAIR CHRISTIAN: Thank you.  
9 Commissioner Valesky?

10 COMMISSIONER VALESKY: No.

11 CHAIR CHRISTIAN: Thank you.  
12 Commissioner Maggiore?

13 COMMISSIONER MAGGIORE: No.

14 CHAIR CHRISTIAN: Thank you.  
15 Commissioner Bright?

16 COMMISSIONER BRIGHT: No.

17 CHAIR CHRISTIAN: Thank you. And  
18 Commissioner Sheehan?

19 COMMISSIONER SHEEHAN: Yes, I am  
20 recusing from item 302.

21 CHAIR CHRISTIAN: Thank you. Noted.  
22 You are recusing from item 302. We'll now commence  
23 the regular agenda. Our first item for discussion,  
24 and what we'll do for the regular agenda, we have  
25 several information items today. We'll do those items

1 6/20/2024 - Monthly Meeting

2 one after the other, and Commission discussion will  
3 happen at the conclusion of the fourth.

4 The first item, item 101, Case 24-G-  
5 0145, which is the 2023 Pipeline Safety Performance  
6 Measures Report. It will be presented today by  
7 Jeffrey Kline, Kevin Speicher and Michael Pasinella  
8 are available for questions. Jeffrey, please begin.

9 MR. KLINE: Good morning, Chair,  
10 Commissioners. My name is Jeffrey Kline. I am a  
11 Utility Supervisor with the Office of Energy System  
12 Planning and Performance Pipeline Safety Section.  
13 Case 24-G-0145 is the 2023 Pipeline Safety Performance  
14 Measures Report and is for information only.

15 The measures taken up in this report  
16 were the result of collaborative efforts beginning in  
17 the 1990s between New York's 11 major gas distribution  
18 companies or L.D.C.s for short, and the Department of  
19 Public Service. This report examines the results of  
20 the L.D.C.'s performance in specific safety areas that  
21 include damage prevention, emergency response and leak  
22 management for calendar year 2023.

23 As well as the results of staff's  
24 audits and investigation that verify compliance with  
25 the minimum pipeline safety regulations for the

1                   6/20/2024    -    Monthly Meeting  
2       calendar year 2022. Overall, the data indicates that  
3       the performance has substantially improved for the  
4       L.D.C.s across the State over the 21 period -- year  
5       period that staff has been reporting performance to  
6       the Commission.

7                   Next slide, please. The first  
8       measure, damage prevention gages the L.D.C.'s  
9       achievement in minimizing damages to buried gas  
10      facilities caused by excavation or demolition  
11      activities. The damage prevention measure is broken  
12      down into four categories. Damages due to, one,  
13      mismarks or the inaccurate marking by the L.D.C. of  
14      its affected underground facilities.

15                  Two, the L.D.C. and its contractor  
16      error. Three, third-party excavation error. And  
17      four, no calls or failure of an excavator to provide  
18      notice of intent to excavate to the one-call  
19      notification system. Two of the four measures showed  
20      improvement as follows.

21                  Mismarked damages went from 0.4 per  
22      1000 One-call tickets in 2022 to 0.39 in 2023 or a 2  
23      point -- 2-and-a-half percent improvement. The  
24      L.D.C.s and their contractors damages went from 0.07  
25      in 2022 to 0.06 in 2023 or a 14.3 percent improvement.

1 6/20/2024 - Monthly Meeting

2 Two of the four measures showed  
3 decline in a performance as follows. Third-party  
4 damages went from 0.89 in 2022 to 0.92 in 2023 or a  
5 3.4 percent decline. The no-call damages went from  
6 0.34 in 2022 to 0.36 in 2023 or 5.9 percent decline.

7 The data also showed a decrease in the  
8 number of one-call tickets of four percent or 1,000 --  
9 excuse me, 31,755 fewer tickets. A decrease in the  
10 total number of damages going from 1,359 in 2022 to  
11 1,326 in 2023.

12 This resulted in a decline of  
13 performance for the total damage rate going from 1.7  
14 in 2022 to 1.73 in 2023. Next slide, please. The  
15 second measure, emergency response reflects on the  
16 L.D.C.'s ability to respond promptly to the reports of  
17 leak, odor, or emergency notifications by examining  
18 the percentage of reports that were responded to  
19 within three response time intervals.

20 The present -- the percentages and the  
21 intervals are as follows. Responded to 75 percent of  
22 the emergency reports within 30 minutes, respond to 90  
23 percent within 45 minutes and respond to 95 percent  
24 within 60 minutes.

25 In 2023, the L.D.C.'s performance for

1                                   6/20/2024     -     Monthly Meeting  
2       each of the emergency response intervals slightly  
3       improved compared to 2022, all within a 0.4 percent  
4       range and with each interval exceeding the established  
5       minimum percentages.

6                                   In general, the L.D.C.s have continued  
7       to use technology such as G.P.S. to quickly identify  
8       the most appropriate employee to respond to the leak,  
9       odor, or emergency reports and have continued to place  
10      or add personnel in certain geographical areas during  
11      times of the day that have historically high volumes  
12      of emergency notifications.

13                                  The data over a five-year period from  
14      2019 to 2023 showed that the L.D.C. operators continue  
15      to improve their performance in this category. In  
16      addition, the Commission has begun to incorporate  
17      incentives or positive revenue adjustments within  
18      L.D.C.'s respective rate proceedings to encourage  
19      further improvements.

20                                  Next slide, please. The third  
21      measure, leak management, examines the L.D.C.'s  
22      performance related to their leak inventories, in  
23      addition to evaluate -- evaluation of the leaks  
24      discovered and repaired. Potentially hazardous leaks  
25      include any leak that requires repair pursuant to

1 6/20/2024 - Monthly Meeting

2 Title 16 New York Code Rules and Regulations, Part 255  
3 for a Type One, Two A, and Two leaks.

4 Type Three leaks do not currently have  
5 prescribed repair timeframes and are, by definition,  
6 considered non-hazardous. Pursuant to the -- pursuant  
7 to Part 255, Type Three leaks require re-evaluation  
8 during the next required leakage survey or annually,  
9 whichever is sooner to ensure that a public safety  
10 concern has not developed.

11 While Type Three leaks are not  
12 expected to become a safety concern, L.D.C.s continue  
13 to eliminate these leaks on their system because it  
14 reduces lost gas, maintenance cost, the total number  
15 of emergency reports, methane emissions, and any  
16 potential dampening effect of the persistent odor has  
17 on the public and public awareness efforts.

18 For leak repair -- excuse me, for  
19 leaks requiring repair, the end of the calendar year  
20 generally coincides with the beginning of the frost  
21 season. During this timeframe, there is a greater  
22 chance of gas migration into a building because the  
23 gas cannot vent as readily through the soil to  
24 atmosphere due to the impermeability blanket of frost.

25 In general, L.D.C.s have demonstrated



1                   6/20/2024    -    Monthly Meeting  
2           improvement in these measures over the past several  
3           years.  The total year-end back-leak backlog improved  
4           by 17.5 percent from the previous calendar year.  A  
5           reduction of 1,176 leaks.

6                   The repairable year-end leak backlog  
7           improved by 31.8 percent or 14 fewer leaks.  The total  
8           number of leaks discovered decreased by 7.9 percent or  
9           1,049 fewer leaks.  And the total number of leaks  
10          repaired increased by 0.9 percent or 143 leaks.

11                   As seen in this graph, National Grid  
12          Long Island and National Grid New York continue to be  
13          outliers in this category.  Even though they have  
14          improved from previous calendar years, National Grid  
15          Long Island's and New York's improvements were 17  
16          percent and 8.7 percent respectively, when compared --  
17          when comparing 2023 to 2022.  This resulted in a total  
18          of 938 fewer leaks in 2023.  Their total leak backlog,  
19          however, are considerably higher than the next highest  
20          L.D.C., National Grid Upstate, and accounts for 87.2  
21          percent of the overall total leak backlog.

22                   Taken in total, National Grid Long  
23          Island, New York, and Upstate account for 95.3 percent  
24          of the total leak backlog.  Next slide, please.  A  
25          review of the total leak backlog for the past 10

1                                   6/20/2024    -    Monthly Meeting  
2       years, 2014 through 2023, also shows a downward trend  
3       for the total leak backlog, as can be seen by this  
4       graph.

5                                   When combining L.D.C.'s damage  
6       prevention and leak management efforts, with that of  
7       their respective leak prone pipe removal programs, a  
8       net positive effect on the respective gas system are  
9       realized.

10                                  Next slide, please. Fourth measure,  
11       staff indication of non-compliance through annual  
12       audit activity. Staff evaluates on their compliance  
13       with the Commission's minimum pipeline safety  
14       regulations. Each year, staff conducts statistically  
15       based audits and investigation of the L.D.C.s to  
16       determine their respective compliance with the gas  
17       safety regulations.

18                                  Each non-compliance identified by  
19       staff represents an area where the L.D.C. failed to  
20       meet these minimum requirements as prescribed. The  
21       data reported varies greatly from year to year, which  
22       is due in part to staff's audit cycle.

23                                  Staff conducts these audits and  
24       investigations of the pipeline safety regulations on  
25       varying frequencies determined by the risk each

1 6/20/2024 - Monthly Meeting

2 individual regulation poses to the public. Staff  
3 identified the regulations as high risk, in which  
4 case, an audit is conducted annually or as other risk  
5 which staff evaluates on a two, three, four, or five-  
6 year frequency not to exceed five years.

7 Additionally, because of the timing of  
8 staff's audits and required L.D.C. responses to them,  
9 this measure looks at calendar year 2022 as opposed to  
10 the other measures which look at calendar year 2023.  
11 In 2022, staff identified non-compliance in all 11 of  
12 the major L.D.C.'s operating service territories.

13 A review of the number of non-  
14 compliance incurred by the L.D.C.s in 2022 showed that  
15 the number of non-compliance increased for eight of  
16 the L.D.C.s while the other three L.D.C.s experienced  
17 decreases. For those L.D.C. operators that showed an  
18 increase in the number of non-compliances, they were  
19 primarily contributed to -- attributed to problems  
20 experienced during the transition to electric records  
21 from paper records.

22 Inspections that were not completed  
23 during the COVID pandemic because of exposure risk to  
24 the public and/or to the L.D.C. personnel and the  
25 L.D.C.'s misunderstanding or misinterpretation of the

1 6/20/2024 - Monthly Meeting

2 safety regulations.

3 After identifying and bringing these  
4 issues to the L.D.C.'s attention, L.D.C.s have  
5 developed and implemented remediation plans including  
6 but not limited to retraining their employees and  
7 revising documentation used to record inspections, so  
8 that all the re -- required steps are prescribed.

9 Regardless of the efforts thus far,  
10 the goal of each L.D.C. should remain complete  
11 elimination of all non-compliance with the Pipeline  
12 Safety Regulations. Next slide. As L.D.C.s continue  
13 their outreach and education efforts to the excavator  
14 community, as well as the public -- to the public,  
15 adopt better practices in responding to leak, odor,  
16 and emergency reports, work to remove leak prone  
17 infrastructure.

18 And as quality assurance and quality  
19 control programs continue to mature, staff expects  
20 further performance improvements will occur. Thank  
21 you, Chair, Commissioners. This concludes my  
22 presentation of the 2023 Pipeline Safety Performance  
23 Measures Report. And I want to thank the work that  
24 Robert Jucha and Mike Pasinella put in on this report.

25 CHAIR CHRISTIAN: Thank you, Jeffrey.

1 6/20/2024 - Monthly Meeting

2 Appreciate the summary. We're now going to move on to  
3 our second information item of the day. Item 202,  
4 case 24-M-0057, which is the 2023 Utility Customer  
5 Service Performance Report presented by Kyle Labelle.  
6 Richard Berkley is available for questions. Kyle,  
7 please begin.

8 MR. LABELLE: Thank you, Chair. Good  
9 morning, Chair and Commissioners.

10 SECRETARY PHILLIPS: Kyle, can you  
11 please move the microphone closer?

12 MR. LABELLE: Okay.

13 SECRETARY PHILLIPS: Thank you.

14 MR. LABELLE: Item 202 is a staff  
15 report that summarizes the New York State Electric,  
16 Natural Gas, and Water Utilities Customer Service  
17 Performance for calendar year 2023. While safety and  
18 reliability are paramount, the quality of customer  
19 service remains vital for utility customers.

20 Customer service performance targets  
21 and associated N.R.A.s are negotiated in utility rate  
22 cases to help align shareholder and customer interests  
23 by providing potential earnings consequences to  
24 shareholders that reflect the quality of service  
25 provided to customers.

1 6/20/2024 - Monthly Meeting

2 Staff conducted a thorough audit into  
3 the utilities' reported calendar year 2023  
4 performance, which included interrogatories, utility  
5 site visits, conference calls, and verification of  
6 data submitted. Next slide, please. Staff confirmed  
7 that Central Hudson, NYSEG, and RG&E failed to meet  
8 the targets for all of their respective metrics in  
9 calendar year 2023.

10 Liberty St. Lawrence Gas and nation --  
11 and Niagara Mohawk missed their customer satisfaction  
12 targets and the remaining utilities met or exceeded  
13 the performance standards established within their  
14 individual rate plans.

15 Total negative revenue adjustments  
16 incurred in calendar year 2023 equal about 23 and a  
17 half million dollars. Next, I will provide an  
18 overview of the performance metrics, review utility  
19 performance, and summarize negative revenue  
20 adjustments incurred by the utilities in calendar year  
21 2023.

22 The utilities are required by the  
23 Commission to file monthly, quarterly, and annual  
24 customer service reports, allowing staff to track  
25 performance and identify trends that are to be

1 6/20/2024 - Monthly Meeting

2 addressed in rate case proceedings.

3 The reports contain customer service  
4 measures such as call answer rate, survey-based  
5 measures of customer satisfaction, P.S.C. complaint  
6 rate, the rate of appointments kept, adjusted bills,  
7 estimated bills, and residential collections measures.

8 Several utility rate plans contain  
9 language that a utility may incur a positive revenue  
10 adjustment for its performance in reducing the levels  
11 of residential service terminations, uncollectable  
12 expense, and/or arrearages each year under the  
13 residential collections mechanism.

14 However, the COVID-19 pandemic and  
15 related moratory on service terminations greatly  
16 impacted measures associated with the utility  
17 collection activity. These incentive mechanisms  
18 continue to be paused. Next slide.

19 The call answer rate, customer  
20 satisfaction survey, and P.S.C. complaint rate are  
21 typically the metrics used to measure performance at  
22 most large utilities. Additional utility specific  
23 metrics have been established to -- to address service  
24 quality issues.

25 This slide depicts the large utilities

1                                   6/20/2024     -     Monthly Meeting  
2     call answer rate targets and their actual performance.  
3     As you can see, Con Edison, KEDLI, KEDNY, Niagara  
4     Mohawk, and Orange and Rockland exceeded their targets  
5     in calendar year 2023.

6                                   Central Hudson, NYSEG, and RG&E fell  
7     short of their targets incurring N.R.A.s. Next slide.  
8     This slide depicts the utilities' customer  
9     satisfaction targets and their actual performance. As  
10    you can see, Central Hudson, Liberty St. Lawrence Gas,  
11    Niagara Mohawk, NYSEG and RG&E failed to meet their  
12    survey target and incurred an N.R.A. The remaining  
13    utilities met their customer satisfaction targets.

14                                  Next slide. This slide shows Con  
15    Edison's customer satisfaction targets and results.  
16    Con Edison's customer satisfaction surveys are scored  
17    on a five-point scale. Con Edison exceeded the  
18    satisfaction targets for their emergency and non-  
19    emergency interaction surveys.

20                                  Next slide. This slide depicts the  
21    P.S.C. complaint rate targets for both large and small  
22    utilities and their actual performance. Complaint  
23    rates are calculated based on a company's number of  
24    escalated P.S.C. complaints per 100,000 customers.

25                                  As you can see, Central Hudson, NYSEG,



1                                   6/20/2024    -    Monthly Meeting  
2           and RG&E each failed this metric and incurred an  
3           N.R.A. The remaining utilities met their target for  
4           calendar year 2023. Corning's complaint target uses  
5           actual complaints rather than a complaint rate based  
6           on its customer population.

7                                   Corning had zero escalated complaints  
8           in 2023. Next slide. This slide summarizes all  
9           customer service related N.R.A.s incurred in calendar  
10          year 2023. In the rightmost column, you'll see  
11          negative revenue adjustments incurred in basis points  
12          and the equivalent dollar figure.

13                                   The value of a basis point varies  
14          across utilities as it scales with the equity portion  
15          of a utility's rate base. Central Hudson failed its  
16          call answer rate, customer satisfaction survey, and  
17          P.S.C. complaint rate, which resulted in a combined  
18          N.R.A. of 28 basis points, or about 3.8 million  
19          dollars.

20                                   Central Hudson attributed the poor  
21          performance to challenges providing customers with  
22          correct and timely bills following an implementation  
23          of its new customer information system. Liberty St.  
24          Lawrence Gas failed to meet its customer satisfaction  
25          survey target and will be assessed an N.R.A. of 15

1 6/20/2024 - Monthly Meeting

2 basis points for about 39,000 dollars.

3 Niagara Mohawk failed to meet --  
4 failed to meet its small and medium commercial and  
5 industrial customer satisfaction survey target  
6 resulting in an N.R.A. of three basis points or about  
7 1.2 million dollars. Niagara Mohawk attributed the  
8 miss to dissatisfaction with high bills, billing and  
9 payment issues, delays in connecting gas and electric  
10 services, and frequent outages.

11 NYSEG and RG&E failed to meet their  
12 call answer rate, customer satisfaction survey,  
13 percent of estimated bills and P.S.C. complaint rate  
14 targets, resulting in N.R.A.s of 11.4 million dollars  
15 and 7.1 million dollars, respectively.

16 NYSEG and RG&E attributed their under-  
17 performance to the COVID-19 pandemic and macroecon --  
18 macroeconomic challenges that led to increases in  
19 estimated bills, which they stated had a cascading  
20 effect across their customer service metrics.

21 The customer service performance  
22 indicators currently in place at the utilities in New  
23 York State established standards for performance and  
24 put significant amounts of shareholder earnings at  
25 risk for non-performance.

1 6/20/2024 - Monthly Meeting

2 These mechanisms implemented by the  
3 Commission, coupled with staff's ongoing monitoring  
4 and auditing efforts, appear to have been effective in  
5 encouraging some of the utilities to make customer  
6 service a priority.

7 However, other utilities experience  
8 significant challenges in 2023. Staff continues to  
9 focus its efforts on reviewing service quality metrics  
10 for the utilities that have missed their targets in  
11 2023 to ensure these metrics and incentives will be  
12 approved upon in the future.

13 Through the rate case process, staff  
14 will continue to advocate for stronger performance-  
15 based rate making strategies relating to customer  
16 service alter -- as alternatives to traditional cost  
17 of service regulation.

18 Staff will also continue to monitor  
19 utility customer service quality to ensure the fair  
20 and appropriate treatment of utility customers across  
21 the state. Next slide, please. This completes my  
22 presentation on the Customer Service Performance  
23 Report for calendar year 2023. Staff is available for  
24 questions. Thank you.

25 CHAIR CHRISTIAN: Thank you very much,

1 6/20/2024 - Monthly Meeting

2 Kyle. And great job your first time out. Now we'll  
3 move to our next item. Our third item for today is  
4 item 301, case 24-E-0238, which is the 2023 Electric  
5 Safety Standards Performance Report.

6 It will be presented by Philipose  
7 Philip. Jason Pause and Tammy Mitchell are available  
8 for questions. Philipose, please begin.

9 MR. PHILIP: Thank you. Good morning,  
10 Chair and Commissioners. Today, I will be providing  
11 an overview of the Electric Safety Standards and the  
12 utilities complaints for 2023. This presentation is  
13 for information only.

14 Next slide, please. I will start with  
15 some background information on the Electric Safety  
16 Standards. This will be followed by a review of the  
17 data submitted by the utilities in their annual  
18 reports. 2023 marked the 19th year of the electric  
19 safety standards or the fourth year of the fourth  
20 five-year cycle.

21 Next slide, please. On January 16,  
22 2004, Jody Lane was electrocuted in Manhattan after  
23 coming into contact with a service box owned by  
24 Consolidated Edison Company of New York. Con Edison's  
25 and department staff's investigation of this tragic

1 6/20/2024 - Monthly Meeting

2 incident revealed that a shunt cable in the service  
3 box was not properly insulated, and that a Con Edison  
4 employee did not follow specified company procedures  
5 when he sealed the end of the cable the prior year.

6 The cable came into contact with the  
7 metal housing of the service box, thereby electrifying  
8 the box. On July 30, 2004, the Commission issued an  
9 order directing all electric utilities that own  
10 transmission or distribution facilities and are  
11 subject to the jurisdiction of the Commission seeking  
12 comments on a draft proposal to enhance efforts to  
13 safeguard the public from stray voltage.

14 Next slide, please. The original  
15 safety standards were adopted by the Commission in  
16 January 2005 in case 04-M-0159. The standards  
17 included stray voltage testing and visual inspection  
18 of electric facilities on an annual basis and the  
19 adoption of the National Electric Safety Code or  
20 N.E.S.C. as the minimum standard for utility  
21 construction, maintenance, and operation.

22 The overall goal of the electric  
23 safety standards is to safeguard the public from  
24 exposure to stray voltage and to identify and mitigate  
25 any potentially harmful condition before safety

1 6/20/2024 - Monthly Meeting

2 hazards and/or reliability deficiencies develop.

3 The safety standards have been  
4 modified by the Commission on multiple occasions to  
5 incorporate additional requirements such as mobile  
6 stray voltage testing, the tracking of temporary  
7 repairs, an independent quality assurance program, and  
8 the ability to adopt an asset management approach for  
9 underground facility inspections.

10 Next slide, please. The utilities are  
11 required to test their underground system and street  
12 light facilities on an annual basis. The utilities  
13 are required to test their overhead distribution and  
14 transmission facilities on a five-year cycle.

15 With regards to testing, inspectors  
16 carry a pen like device that lights up red when  
17 voltage is detected. 4.5 volt is the calibrated  
18 threshold of this device, as that is the voltage limit  
19 where the potential for injury becomes concerning.

20 However, the device does signal for  
21 lower voltages. Once voltage is detected, the  
22 facility is then tested with a digital voltmeter to  
23 record actual readings. All voltage findings of one  
24 volt or more are required to be recorded and  
25 mitigated.

1 6/20/2024 - Monthly Meeting

2 All but two findings on National  
3 Grid's overhead facilities were mitigated at the time  
4 of the report. National Grid has made the area around  
5 these findings safe and is pending permanent repairs.  
6 In total, there were only 178 voltage findings for  
7 manual stable voltage testings of one volt or more or  
8 approximately 0.02 percent of the roughly 1,156,120  
9 facilities tested in 2023.

10 This graph shows the historical  
11 findings for manual stray voltage testing going back  
12 five years. The blue section shows the findings  
13 between one and 4.4 volts, and the red section show  
14 the findings that are 4.5 volts and greater.

15 The 2023 total number of stray voltage  
16 test findings saw an increase at the 1 to 4.4-volt  
17 level and a slight increase in the 4.5 volt and  
18 greater level. This is mainly attributed to an  
19 increase in findings on Central Hudson's streetlights  
20 and overhead distribution facilities.

21 Street lights continue to be the  
22 largest facilities grouping with the stray voltage  
23 finding. For example, in 2023 out of the 178  
24 findings, street lights accounted for 98 of those  
25 findings. As part of the electric safety standards,

1 6/20/2024 - Monthly Meeting

2 the utilities are required to test all publicly  
3 accessible street lights regardless of ownership.

4 If an issue is found with a street  
5 light that the utility does not own, that utility is  
6 required to make the condition safe. It is ultimately  
7 the responsibility of the municipality that owns the  
8 street light to make the necessary repairs.

9 Next slide, please. For mobile stray  
10 voltage testing, per Commission order, 12 mobile  
11 surveys are required in New York City, two in Buffalo,  
12 one each in Yonkers, White Plains, New Rochelle,  
13 Albany, Niagara Falls, and Rochester every year.

14 The upstate locations were selected  
15 due to their population density, which is 50,000 plus.  
16 Again, any voltage findings of one volt or more is  
17 reported and mitigated. All but 187 findings in  
18 National Grid Service Territory were mitigated at the  
19 time of the report.

20 All of these findings were identified  
21 under the street lights slash traffic signals and  
22 miscellaneous facilities categories. National Grid  
23 has made the area around these findings safe and is  
24 pending permanent repairs.

25 In 2023, there were 8,925 voltage



1                                   6/20/2024    -    Monthly Meeting  
2           findings in the three utility service territories  
3           where the mobile stray voltage testing is required,  
4           which is up from 8,405 findings in 2022. This is  
5           approximately 0.55 percent of the approximately  
6           1,621,580 structures scanned by the utility's mobile  
7           stray voltage programs.

8                                   This graph presents the total number  
9           of stray voltage findings across the State using  
10          mobile testing units for the last five years. Blue  
11          represents Con Edison's findings. Red represents  
12          National Grid and green represents Rochester Gas and  
13          Electric.

14                                  The increase in Con Edison's findings  
15          primarily consists of low voltage findings with a  
16          majority of the increase being seen in the non-utility  
17          facility's cat -- categories, which includes facility  
18          such as gates, fences, awnings, and fire hydrants.

19                                  Based on discussions with the Con  
20          Edison, the company expects to see the 10-year  
21          downward trend to continue. Next slide, please. Per  
22          the electric safety standards, the utilities are  
23          required to complete visual inspection on 20 percent  
24          of the facilities each year, so that 100 percent of a  
25          utility's transmission and distribution facilities

1 6/20/2024 - Monthly Meeting

2 will be inspected at least once every five years.

3 2023 was the fourth year of the fourth  
4 -- the full cycle of the inspection program. All  
5 utilities have completed approximately 80 percent  
6 inspection of assets in compliance with the standards.  
7 This graph shows the historical deficiencies found  
8 during electric facility inspections broken down by  
9 deficiency level going back five years.

10 The red section show Level One  
11 deficiencies found, the orange section show Level Two  
12 deficiencies found, and the blue section show Level  
13 Three deficiencies found. A Level One deficiency is  
14 an actual or imminent safety hazard to the public or  
15 poses a serious and immediate threat to the delivery  
16 of power.

17 Critical safety hazards present at the  
18 time of the inspection shall be guarded until the  
19 hazard is mitigated. These deficiencies are to be  
20 repaired as soon as possible, but not longer than one  
21 week after discovery.

22 A Level Two deficiency is likely to  
23 fail prior to the next inspection cycle and represents  
24 a threat to the safety and/or real --reliability  
25 should a failure occur prior to repair. These

1                                   6/20/2024    -    Monthly Meeting  
2           deficiencies are to be repaired within one year of  
3           discovery.

4                                   A Level Three deficiency does not  
5           present immediate safety or operational concerns and  
6           would likely have a minimum impact on the safe and  
7           reliable delivery of power if it does fails prior to  
8           the repair.  These deficiencies are to be repaired  
9           within three years of discovery.

10                                  For inspections, 2023 saw an increase  
11           in overall deficiencies found with the electric  
12           utilities with a total of approximately 77,000  
13           deficiencies found.  That is a 31 percent increase  
14           compared to the approximately 59,000 found in 2022.

15                                  This increase can be attributed to the  
16           increase in facilities inspected, which is 804,223 in  
17           2023 compared to 735,243 in 2022.  And also the  
18           geographic area -- area where inspections are  
19           performed.

20                                  Next slide please.  For PSEG Long  
21           Island, they are not subject to the Commission safety  
22           standards thus they and system owner LIPA are not  
23           regulated by the Commission.  Through discussion with  
24           the D.P.S. staff and as required by the 2023 PSEG Long  
25           Island performance metrics, PSEG Long Island is moving

1                                   6/20/2024    -    Monthly Meeting  
2           towards full compliance with the Commission safety  
3           standards.

4                                   PSEG Long Island began a facility  
5           inspection and stray voltage testing pilot program in  
6           2020 and has continued to test and inspect  
7           approximately 10 percent of its system assets on an  
8           annual basis.  In total, PSEG Long Island tested and  
9           inspected approximately 38,000 facilities in 2023 and  
10          found no stray voltage cases, and 1,042 inspection  
11          deficiencies, which -- which is 2.7 percent of those  
12          inspected.

13                                  Of those 1,042 deficiencies found, 13  
14          were Level One, 150 Level Two, 665 Level Three.  These  
15          two graphs present the total number of stray voltage  
16          findings and inspection deficiencies found across PSEG  
17          Long Island for the last four years.

18                                  The company will continue the pilot  
19          program in 2024, intending to inspect 131,000 overhead  
20          assets moving from 10 percent to 15 percent of its  
21          facilities.  And performing stray voltage testing on  
22          62,000 underground assets and 45,000 overhead assets,  
23          which is 20 percent of the facilities in the stray  
24          voltage program and in line with the Commission's  
25          safety standard stray voltage testing.

1 6/20/2024 - Monthly Meeting

2 Due to budgetary constraints for the  
3 inspection program, the PSEG Long Island's target to  
4 fully comply with the safety standards requirement  
5 will not be met for facility inspections in 2024.  
6 However, staff acknowledges that the funding level  
7 approved and provided to PSEG Long Island for this  
8 effort for 2024 will bring its testing and inspection  
9 efforts much closer to full compliance with the safety  
10 standards and is a significant improvement over the  
11 prior year's pilot program efforts and urges LIPA and  
12 PSEG Long Island to continue their collaborative  
13 effort with the aim to fully comply with the electric  
14 safety standards in 2025.

15 Next slide, please. In summary, the  
16 New York utilities have met and complied with the  
17 requirements of the Commission's electric -- electric  
18 safety standards for 2023. That completes my  
19 presentation. Thank you, and I can now answer any  
20 questions.

21 CHAIR CHRISTIAN: Thank you,  
22 Philipose. We'll now move on to our fourth item. The  
23 last information item for today. Item 301, case 24-E-  
24 0140, which is the 2023 Electric Reliability  
25 Performance Report. It'll be presented today by

1                                   6/20/2024    -    Monthly Meeting  
2       Patrick Blake.  Aphrodite -- Aferdita Bardhi and Kevin  
3       Wisely are available for questions.  Patrick, please  
4       begin.

5                                   MR. BLAKE:  Good morning, Chair  
6       Christian and Commissioners.  My name is Patrick  
7       Blake, and I am a Professional Engineer 1, in the  
8       Office of Resilience, Utility Security, Nuclear  
9       Affairs and Emergency Preparedness.  Today, I will be  
10      providing you with a brief Statewide summary of New  
11      York's Electric Reliability Performance in 2023.

12                                  Staff's written report provides  
13      additional information and individual reviews for each  
14      of the major electric utilities.  Next slide, please.  
15      Each year, staff performs an analysis of electric  
16      reliability performance based on monthly interruption  
17      data submitted by the electric utilities.

18                                  Staff uses this data to calculate the  
19      frequency and duration of interruptions and identify  
20      trends.  Frequency is affected by factors such as  
21      system design, capital investment, maintenance  
22      practices, and weather.

23                                  Decisions made by utilities today,  
24      however, can take several years before being fully  
25      reflected in the frequency measure.  Duration is

1 6/20/2024 - Monthly Meeting

2 affected by workforce levels, workforce management,  
3 and geography. Utility management of resources can  
4 have a more immediate effect on duration.

5 By reviewing the data, both with and  
6 without major storms, we can achieve a balance between  
7 interruptions under the utility's control, such as  
8 equipment failures, and those where the utility may  
9 need to implement resiliency measures to prevent  
10 interruptions.

11 It should be noted that some of the  
12 stat -- statistics presented today reflect 27 major  
13 events that occurred last year. Reliability  
14 Performance Mechanisms, or R.P.M.s include company-  
15 wide targets for frequency and duration.

16 R.P.M. targets are established in each  
17 rate case, and the investor-owned electric utilities  
18 are subject to negative revenue adjustments for  
19 failing to meet R.P.M. targets. Central Hudson, Con  
20 Edison, Orange and Rockland, National Grid, and RG&E  
21 met all their reliability targets in 2023.

22 NYSEG failed its target for frequency  
23 for the fifth consecutive year, incurring a negative  
24 revenue adjustment of 3.5 million dollars. Tree  
25 contacts continue to be the largest contributor to

1 6/20/2024 - Monthly Meeting

2 interruptions for NYSEG.

3 In recognition of the impact that a  
4 well-executed vegetation management program has on  
5 reliability performance, as part of the 2023 NYSEG  
6 rate order, the Commission authorized an expanded  
7 distribution vegetation management budget for NYSEG to  
8 continue its reclamation and danger tree programs and  
9 perform system wide routine trimming on a six-year  
10 cycle.

11 The company predicts that as it  
12 continues to reclaim its system and clear its right of  
13 way to specification, it will not only halt  
14 degradation of un-reclaimed circuit's reliability  
15 performance but also improve system reliability.

16 Since May of 2023, staff and NYSEG  
17 have met monthly to follow the company's progress on  
18 increasing the program scope to meet the six-year  
19 cycle plan. Due to a slow ramp up and the importance  
20 of an effective distribution vegetation management  
21 plan on reliability, staff will continue to monitor  
22 NYSEG's progress throughout 2024.

23 Next slide, please. This graph shows  
24 the frequency performance for the last five years  
25 Statewide. Since Con Edison's networks are usually



1 6/20/2024 - Monthly Meeting

2 less prone to interruptions than overhead systems, and  
3 Con Edison serves a large percentage of the State's  
4 electric customers, Con Edison's data can skew the  
5 overall statistics.

6 As a result, we reviewed the data both  
7 with and without Con Edison. Excluding major storms,  
8 the Statewide interruption frequency of 0.58 is better  
9 than both last year and the five-year average when  
10 viewed with and without Con Edison.

11 On average, customers experienced one  
12 interruption approximately every 21 months. For  
13 utilities other than Con Edison, customers on average,  
14 experienced one interruption every 13 months. The  
15 major causes for interruptions, excluding major storms  
16 were equipment failures and tree contacts.

17 To reduce the frequency of  
18 interruptions, the utilities invest in capital  
19 projects, inspections, and maintenance activities.  
20 Next slide, please. This graph shows duration  
21 performance for the last five years on a Statewide  
22 basis excluding major storms, and again, showing  
23 performance both with and without Con Edison.

24 The Statewide duration was one hour  
25 and 55 minutes. This is approximately 1.2 minutes

1                   6/20/2024    -    Monthly Meeting  
2           longer than 2022, but still three minutes shorter than  
3           the Statewide five-year average.  The Statewide  
4           duration for utilities other than Con Edison was one  
5           hour and 53 minutes in 2023, which is three minutes  
6           longer than 2022 and approximately 36 seconds longer  
7           than the Statewide five-year average.

8                   Next slide, please.  The State  
9           experienced 27 separate events that qualified as major  
10          storms in 2023.  Seven less events than 2022.  Major  
11          storms in 2023 caused approximately 34 percent less  
12          customer interruptions and 56 percent less customer  
13          hours of interruption when compared to 2022.

14                   As can be seen in the graph, 2023 was  
15          one of the best years from the customer's viewpoint  
16          regarding service interruptions caused by major storms  
17          since 2016.  The largest storm in 2023 occurred in  
18          March and severely impacted parts of the Capital and  
19          Mohawk Valley regions.

20                   Large portions of Central Hudson's,  
21          National Grid's, and NYSEG's service territories were  
22          affected with approximately 230,000 customer outages  
23          reported between the three companies.

24                   The second largest storm occurred in  
25          September when high winds and thunderstorms impacted

1                                   6/20/2024    -    Monthly Meeting  
2           eastern New York State, affecting large portions of  
3           the Southern Tier, Mohawk Valley, Mid-Hudson and  
4           Capital District regions.

5                                   In total, approximately 162,000  
6           customers lost service between NYSEG, National Grid,  
7           Central Hudson, and Orange and Rockland with National  
8           Grid's capital division experiencing 37,000 outages  
9           alone.

10                                  The third largest storm occurred in  
11           February, when the remnants of winter storm Olive  
12           tracked through the Finger Lakes and Central New York  
13           regions. The storm had the greatest impact in NYSEG's  
14           Lancaster division, with approximately 92,000  
15           customers interrupted.

16                                  Combined, these three impactful storms  
17           were responsible for approximately 31 percent of the  
18           customers affected and 44 percent of the customer  
19           hours excluded as part of all major storm exclusions  
20           in 2023.

21                                  Next slide, please. Thank you. That  
22           concludes my presentation. We will be happy to answer  
23           any questions.

24                                  CHAIR CHRISTIAN: Thank you, Patrick.  
25           You know, in -- in hearing the various points

1                   6/20/2024    -    Monthly Meeting  
2       presented, you know, I -- I look at these reports as  
3       part of a continuous improvement process. You can't  
4       change what you can't measure. And here we are at the  
5       Commission D.P.S. measuring the various things that we  
6       need to, to track the performance of the system and  
7       ensure reliability and safety are paramount.

8                   So I'm encouraged where I'm seeing  
9       progress. It's good to see improvements year over  
10      year. It's also good to see areas where we can do  
11      even better. And look forward to working with each of  
12      you on achieving new heights in the coming years.  
13      Thank you for your presentations. Commissioner Alesi.

14                   COMMISSIONER ALESI: Thank you. We  
15      benefit immensely from all of these reports  
16      collectively. A lot of work goes into it and I  
17      appreciate the effort of everybody. That's all my  
18      comments for today.

19                   CHAIR CHRISTIAN: Thank you.  
20      Commissioner Valesky.

21                   COMMISSIONER VALESKY: Thank you, Mr.  
22      Chairman. I want to thank all of the presenters and  
23      the teams that each of you represent here in putting  
24      these presentations together. They're in --  
25      incredibly important and helpful. And from my

1                   6/20/2024    -    Monthly Meeting  
2           perspective, just because they are not voting items  
3           that come before us does not make them any less  
4           important, I think in terms of the -- the work and the  
5           mission of the department.

6                   I just had one question. I guess,  
7           Patrick would be for you or -- or perhaps for Kevin  
8           Wisely who is here. I noticed today, as I'm sure we  
9           all did is as the heat and humidity continues that we  
10          have forecasts for storms across the State,  
11          potentially severe storms as the day goes on.

12                   Could -- could one of you just -- just  
13          explain the definition of what qualifies as a major  
14          storm. And Patrick, you indicated we had 27 events in  
15          2023, which were seven less than 2022. So what is  
16          actually the definition of a major storm?

17                   MR. BLAKE: Sure. So Public Service  
18          Law, Part 97 defines a major storm as a storm of  
19          adverse weather that affects either 10 percent of  
20          customers in an operating division or has averages  
21          that meet or exceed 24 hours.

22                   COMMISSIONER VALESKY: Okay. Okay.  
23          Thank you very much. And certainly, here is hoping  
24          that today will not qualify based on that definition.  
25          Thank you very much for all of your presentations.

1 6/20/2024 - Monthly Meeting

2 CHAIR CHRISTIAN: Thank you.

3 Commissioner Maggiore.

4 COMMISSIONER MAGGIORE: Thank you. I

5 -- I appreciate the very thorough presentations. I  
6 don't have any specific questions, but I -- I will  
7 point out that I use these presentations in developing  
8 questions for voting items, such as a rate case, for  
9 instance. So I -- I appreciate the value of the  
10 presentations that were done today, and I want to  
11 thank you for your thoroughness and the clarity of --  
12 of the presentation, I'm repeating myself.

13 So thank you very much and I don't  
14 have any additional questions.

15 CHAIR CHRISTIAN: Thank you.

16 Commissioner Bright.

17 COMMISSIONER BRIGHT: Thank you so  
18 much for all of this such thorough information, it's  
19 extremely illuminating. And like Commissioner  
20 Maggiore said, it's good to have this information for  
21 future decisions as well. And I'm wondering or future  
22 considerations as well.

23 I do have one quick question on the  
24 customer service performance report. I feel like the  
25 -- the other reports have a view of a couple different

1 6/20/2024 - Monthly Meeting

2 years, like some, you can look at five years and I'm  
3 wondering if we do that also for the customer service  
4 outlook to sort of see what happened three years ago.

5 If that's something that we also do.  
6 Just curious.

7 MR. BERKLEY: Commissioner, if I may?

8 COMMISSIONER BRIGHT: Hi, yes.

9 MR. BERKLEY: We don't do that  
10 normally, but we would be happy to add that in the  
11 future.

12 COMMISSIONER BRIGHT: Okay. Thank  
13 you. That was -- that was really my only -- oh,  
14 actually, one more thing. I'm wondering this is still  
15 for the customer service report. The last -- sorry,  
16 the -- there were previous reports and there were  
17 recommendations in the appendices. And I'm wondering  
18 if we'll do that again for this report that there will  
19 be sort of, recommendations for the utilities to take.

20 MR. BERKLEY: Yes, we always provide  
21 the utilities with recommendations on how to improve  
22 their performance. Those more frequently come in rate  
23 cases and thanks to my colleague who reminded me that  
24 we present multiple years of these concerns in the  
25 process of rate cases, usually in testimony.

1 6/20/2024 - Monthly Meeting

2 COMMISSIONER BRIGHT: Perfect.

3 MR. BERKLEY: And which is, in part,  
4 why we don't present them here.

5 COMMISSIONER BRIGHT: Perfect,  
6 perfect. Thank you so much and thank you so much for  
7 all the information. Very, very helpful.

8 CHAIR CHRISTIAN: Thank you. And  
9 Commissioner Sheehan.

10 COMMISSIONER SHEEHAN: Thank you,  
11 Chair. I also want to just echo everybody's thanks  
12 for the reports. It's -- it clearly highlights all the  
13 work that you're all doing. I have a more of a  
14 general comment. I think, you know, as the Chair  
15 mentioned, you can't manage what you don't measure, so  
16 this is important for us.

17 The one thing that I'm struck by  
18 through these presentations in particular is, you  
19 know, the earnings adjustment mechanism concept which  
20 was born out of the REV process, you know, now 10  
21 years ago, kicked off 10 years ago, but I -- it's -- I  
22 think what these reports really highlight in terms of  
23 both the negative revenue adjustments, the reliability  
24 performance mechanisms is the importance of these  
25 E.A.M.s in the rate making process.



1 6/20/2024 - Monthly Meeting

2 So I really just want to continue to  
3 encourage the inclusion of those in future rate cases.  
4 And you know, through the rate cases, I encourage  
5 staff to continue to incorporate strong performance-  
6 based rate making strategies as alternatives to  
7 traditional cost of service regulation.

8 I think we'll see later today why some  
9 of those are really critically important. I also  
10 encourage staff to continue to monitor utility  
11 performance quality to ensure fair and appropriate  
12 treatment of utility customers across the State.

13 One thing that I'd also just encourage  
14 and it's sort of along the lines of Commissioner  
15 Bright's comment is to just really start to examine  
16 whether the -- whether these metrics and these  
17 performance mechanisms are producing the results we  
18 want and if we need to refine them, are -- are we  
19 really driving -- are they helping to drive the  
20 performance we want to see?

21 So thank you again for all the  
22 presentations.

23 CHAIR CHRISTIAN: Thank you. And with  
24 that, thank you, staff, thank you, Commissioners.  
25 We'll now move on to the vote -- voting items on our

1                   6/20/2024    -    Monthly Meeting  
2           agenda today.  Our fifth item, our first voting item  
3           will be item 201, Case 22-M-0645.

4                   As it relates to the investigation  
5           into Central Hudson Gas and Electric Corporation's  
6           customer information and billing system.  The  
7           presentation will be given by John Sipos.  Aric Rider  
8           and Jeff Hogan are available for questions.

9                   CHAIR CHRISTIAN:  John, when you're  
10          ready, feel free to begin.

11                  MR. SIPOS:  How's that?  There we go.  
12          I was looking for that sound.  Good morning, Chair  
13          Christian, Commissioners Alesi, Valesky, Maggiore,  
14          Bright, and Sheehan.

15                  This item concerns a proposed  
16          settlement agreement resolving the pending prudence  
17          and enforcement actions against Central Hudson  
18          concerning the development and deployment of the  
19          company's new consumer information and billing system.

20                  The settlement agreement before you  
21          today has a base value of 62 million dollars and a  
22          potential value of above 64 million dollars.  And it  
23          requires, among other things, that the company  
24          implement recommendations provided by an independent  
25          monitor and also to shift to monthly meter readings by

1 6/20/2024 - Monthly Meeting

2 October 31st of this year.

3 Before reviewing the components of the  
4 settlement agreement, staff would like to provide a  
5 brief summary of the case to put the agreement in  
6 context. So next slide, please. There we go.

7 So as we probably all know, in  
8 September 2021, Central Hudson deployed a new customer  
9 information and billing system to replace its aging  
10 legacy billing system. And the go live date for that  
11 system deployment known as the S.A.P. system was  
12 September 1st, 2021.

13 The company and the new system  
14 encountered numerous problems following the  
15 implementation and deployment of the system.  
16 Customers complained to the company, to elected  
17 officials, and to the Department of Public Service  
18 Office of Consumer Services and the complaints  
19 continued and increased in 2022.

20 During this period, D.P.S. staff  
21 actively monitored the situation. And in meetings and  
22 communications with the department, the company stated  
23 that it would soon fix the issues. As time went on,  
24 however, the complaints continued. And as noted, they  
25 increased in 2022.

1 6/20/2024 - Monthly Meeting

2 On April 5, 2022, the Office of  
3 Investigations and Enforcement commenced an  
4 investigation into the causes of the complaints and  
5 the complications related to the billing system. The  
6 in -- investigation began with a preservation  
7 directive and O.I.E. staff and D.P.S. staff reviewed  
8 company information and communications in a thorough  
9 manner.

10 At the December 2022 Commission  
11 session, O.I.E. released and issued a detailed 60 page  
12 investigation report detailing its review and  
13 identified apparent system deployment, development,  
14 and regulatory failures and recommended the initiation  
15 of a prudence and an enforcement proceeding.

16 That report, among other things, noted  
17 problems and challenges caused by the company's  
18 practice of estimating usage every other month,  
19 instead of conducting actual meter reads on a monthly  
20 basis.

21 At that same session in December 2022,  
22 the Commission issued in order to show cause and  
23 directed Central Hudson to respond to the O.I.E.  
24 investigation report and to file a proposed plan  
25 regarding the feasibility of shifting to a monthly

1 6/20/2024 - Monthly Meeting

2 meter reading program. Next slide, please.

3 In January 2023, Central Hudson  
4 docketed in this case, its response to the  
5 Commission's order to show cause. The company's  
6 filing acknowledged the billing system problems and it  
7 apologized to customers. The company, however, also  
8 did dispute the allegations of imprudent actions and  
9 apparent violations that were set out in the O.I.E.  
10 report and the order to show cause.

11 Thereafter, O.I.E. continued its  
12 investigation and analysis of the company's  
13 performance. And on June -- excuse me, on July 27,  
14 2023, 11 months ago, D.P.S. and Central Hudson entered  
15 -- entered into an interim agreement which required  
16 the company to subject itself to an evaluation by an  
17 independent third party monitor, which turned out to  
18 be P.A. Consulting.

19 The company also filed an accelerated  
20 monthly meter reading plan at that time, which called  
21 for completion of the action -- that is the shift to  
22 monthly meter reading by December 31st, 2024. And the  
23 Commission approved the terms of the interim agreement  
24 at its August 2023 session.

25 As part of the interim agreement, the

1                                   6/20/2024     -     Monthly Meeting  
2       company initiated a pilot program to shift to monthly  
3       meter reading in certain areas in its service  
4       territories and to test that system in an incremental  
5       manner.  And we're prepared to provide some more  
6       detail on that as part of this presentation.

7                                   On March 1st, 2024, the independent  
8       monitor provided its report to D.P.S. staff.  And the  
9       monitor discussed its evaluation of Central Hudson's  
10      system and reported that Central Hudson has resolved  
11      critical billing issues and reached a stable state.

12                                  The monitor also reported that the  
13      company could, in the future, face some foundational  
14      issues, which should be addressed through strategic  
15      changes and personnel enhancements.  The monitor  
16      further stated that moving to monthly meter reads  
17      should alleviate customer frustration and concerns  
18      about estimates and potential inaccuracies.

19                                  And that it makes sense for Central  
20      Hudson to expand from its pilot monthly meter read  
21      program and proceed with broader deployment of monthly  
22      meter reads.  It also recommended that the company  
23      monitor this process and I think Commissioner Sheehan  
24      has pointed out the importance of -- of monitoring in  
25      her -- in her comments earlier this morning.  Next

1 6/20/2024 - Monthly Meeting

2 slide, please.

3 Shortly thereafter, in a separate  
4 proceeding, on March 15, 2024, the Commission approved  
5 an implementation plan resulting from the 2023  
6 Operations and Management Audit Report of the Central  
7 -- of Central Hudson and that's in Case 21-M-0541.

8 In that case, the underlying audit  
9 report, this time by Overland Consulting, recommended  
10 that the company shift to monthly meter reading to  
11 better determine actual monthly consumption and align  
12 it -- align the system with energy prices -- align the  
13 consumption information with current energy prices.  
14 So next slide, please.

15 This is the summary of the agreement.  
16 Turning to the agreement, we have summarized its  
17 various components and related financial impacts to  
18 the company in the chart here. And as noted, the  
19 overall potential value is 64 -- 64.54 million dollars  
20 with a base value of 62.59 million dollars.

21 First off, the company has agreed that  
22 it will not seek recovery from ratepayers for the  
23 costs associated with remedying the billing system  
24 issues and for implementing the recommendations  
25 provided by the third party independent monitor. This

1 6/20/2024 - Monthly Meeting

2 aspect accounts for 35.31 million dollars.

3 Second, the company has agreed not to  
4 contest 8.75 million dollars in negative revenue  
5 adjustments or N.R.A.s and this is for the period 2021  
6 through 2023. And that is -- it includes the time  
7 from the go live to the end of last year.

8 Third, the company has acknowledged  
9 that it has absorbed 8.21 million dollars in back  
10 billing credits. And this is associated with  
11 instances where the company was simply too late in  
12 getting at -- its bills out -- in sending its bills  
13 out. And given the lateness, it could not recover the  
14 charges from the customers.

15 In short, this resulted in a benefit  
16 or a credit to customers and a cost or a charge to the  
17 company and its shareholders. Fourth, and I'm going  
18 to break -- I -- I'm going to break the sequence in  
19 this chart just a little bit. I'm going to discuss  
20 items 4, 6, and 7 in the chart together.

21 The company agreed to shift to a  
22 monthly meter reading program, accelerate that program  
23 so that the vast majority of customers are included in  
24 the program by October 31st, 2024.

25 And to absorb the costs for the



1                   6/20/2024    -    Monthly Meeting  
2           transition, not only through June 30, 2024, but also  
3           through the upcoming 2024/2025 rate year that is under  
4           review in the pending rate case. Thus, the collective  
5           value of these two components is 6.32 million dollars.  
6           That's 4.2 plus 2.22 leading us to 6.32 million.

7                   That's -- that 6.3 million dollar  
8           benefit flows to customers and it is a 6.3 million  
9           dollar cost to the company that the company is  
10          absorbing.

11                   Moreover, beyond the dollar value, the  
12          shift to monthly meter reads will bring better  
13          transparency, accountability, and timeliness to the  
14          billing system so that it can perform one of its core  
15          intended functions of timely communicating consumption  
16          and cost information to customers.

17                   Related to this transition to monthly  
18          meter reads and as an incentive to complete the  
19          transition in a prompt manner, the company has also  
20          agreed to pay 500,000 dollars per month to a customer  
21          benefit fund if the company does not complete this  
22          transition by the end of October 2024, with a maximum  
23          payment capped at 2 million dollars.

24                   Thus, the total potential financial  
25          value of the meter reading components of the agreement

1 6/20/2024 - Monthly Meeting

2 is upwards of 8.32 million dollars. Now, I'm going to  
3 hop back to item 5 on this chart.

4 The company has also agreed, separate  
5 and apart from everything discussed above, has agreed  
6 to establish a customer benefit fund in the amount of  
7 4 million dollars that the Public Service Commission  
8 can use as it determines appropriate and in the public  
9 interest of Central Hudson ratepayers at a future  
10 occasion.

11 The settlement agreement provides that  
12 the cost components summarized here are from the  
13 company and its shareholders and not recoverable from  
14 the company's ratepayers. Staff recommends that the  
15 Commission approve the settlement agreement as  
16 consistent with the public interest.

17 The settlement agreement provides for  
18 system improvements, as well as substantial financial  
19 value, and benefit to ratepayers. Regarding the shift  
20 to monthly meter reading, the company, the independent  
21 monitor in 2024, the outside auditor in 2023, and  
22 D.P.S. staff have all identified a lack of regular  
23 monthly meter reading as a root cause or a  
24 contributing factor for many of the customer service  
25 and billing issues that arose in late 2021 and

1 6/20/2024 - Monthly Meeting

2 continued into 2022 and 2023.

3 The actions taken by D.P.S. and the  
4 Commission to date have set Central Hudson on a course  
5 of reading meters every month and the settlement  
6 agreement before you would continue that course.  
7 Another factor here, we've touched on it already. The  
8 company shareholders will pay the expenses, not  
9 ratepayers.

10 If we could go to the next slide,  
11 please. I'd just like to add some notes. The  
12 settlement agreement here does not resolve individual  
13 customer billing complaints. This settlement  
14 agreement concerns prudence in enforcement matters.

15 So Central Hudson remains obligated to  
16 respond to those complaints, to explain the details  
17 and to participate in the established consumer  
18 complaint resolution process before the D.P.S. Office  
19 of Consumer Services.

20 Those individual complaints continue  
21 to be reviewed and to make their way through the  
22 individual complaint resolution process. In  
23 conclusion, I would like to extend my sincere thanks  
24 to Debbie Evans and Jeff Hogan in the Office of  
25 Accounting Audits and Finance. To Aric Rider and the

1 6/20/2024 - Monthly Meeting

2 Office of Consumer Services.

3 And especially to David Rossi and the  
4 Office of Investigations and Enforcement. They are a  
5 credit to the Department of Public Service. That  
6 concludes my presentation. Staff is available for  
7 questions. Thank you.

8 CHAIR CHRISTIAN: Thank you. This has  
9 been a long time coming. And -- and thinking back  
10 about the process taken to get to this point, I think  
11 it's important to highlight a few things you stated in  
12 your presentation.

13 You know, when this issue began  
14 shortly after the rollout in September 2021, we  
15 started receiving notifications that there were  
16 problems. Our first effort was not necessarily to  
17 assign blame, but it was to address the problems.

18 And we did that in multiple ways  
19 through the management audit you cited, through the  
20 independent monitor that we ultimately brought on  
21 board at the expense of Central Hudson, and ultimately  
22 through identifying the various issues that created  
23 this problem.

24 The core of which, which you've  
25 accurately pointed out, is the estimated billing that

1                   6/20/2024     -     Monthly Meeting  
2           was provided on the bi-monthly billing approach.  And  
3           in identifying that root cause, we found a way to  
4           address this issue.  And I'm grateful for that and I'm  
5           happy.  And I'm -- I'm pleased with the direction  
6           we've taken.

7                    You -- you said this earlier as well,  
8           the -- the -- the important thing about a utility is  
9           its ability to communicate to customers.  In fact, the  
10          utility bill is the way utilities communicate with  
11          their customers.

12                   And this experience and -- and Central  
13          Hudson's failure to do this effectively, I think it's  
14          safe to say, a lot of people have lost faith and  
15          confidence in their utility, which is unfortunate.  
16          Utility is a key member of the community, they're a  
17          partner.

18                   And through this action, I'm hoping  
19          that we can begin the process of rebuilding that  
20          trust, that relationship, restoring that faith.  And  
21          having that partnership to what it should be, a  
22          healthy relationship, where an individual can trust  
23          what they're going to receive.

24                   Now, this transition to monthly  
25          billing, I think it's going to be a big step.  And --

1 6/20/2024 - Monthly Meeting

2 and I -- I have a question about that. You mentioned  
3 earlier a pilot program that was rolled out. Can you  
4 -- can you speak to that in more detail, how  
5 successful that's been, what metrics have been used,  
6 just what the outcome of that has been?

7 MR. SIPOS: I think Aric probably can  
8 speak to it most efficiently.

9 MR. RIDER: Good morning, Chair and  
10 Commissioners. So in the process of reviewing the --  
11 the monitor's report, staff asked Central Hudson for  
12 data in particular around the pilot program. We  
13 looked for historical data that indicated by billing  
14 cycle, what the volatility was between cycles month to  
15 month.

16 And historically, we saw that that  
17 volatility month to month was high, which indicated to  
18 me that the -- the -- the billing estimates were  
19 either low or high in the previous month and then  
20 there was a catch up read that kind of had that  
21 consumption fall into the following month.

22 And what we see in the pilot program,  
23 in the -- in the more recent times when we have  
24 monthly meter rating, is that volatility decreased on  
25 average by 80 percent, which to me means that it's

1 6/20/2024 - Monthly Meeting

2 working.

3 CHAIR CHRISTIAN: Great. Thank you.

4 Yeah, I can -- I can speak personally. I know my  
5 bills typically fall within a given range and I -- I  
6 would have a lot of questions if they kept moving from  
7 one end of the range to another month to month.

8 So this is going to be a very helpful  
9 way of establishing some degree of consistency and  
10 setting expectations as to what an individual can  
11 expect from month to month. So thank you for that.

12 You know, I -- I -- I think just  
13 thinking through the previous discussions, we've  
14 spoken to death about the various failures that have  
15 happened throughout; the failure to test, the failure  
16 to properly add resources, the failure to properly  
17 train. And I look at this agreement as addressing  
18 that issue.

19 The 62 million that we've achieved  
20 plus the potential for another 2 million, I think is  
21 an amazing settlement to the benefit of ratepayers and  
22 most certainly in the public interest. And you know I  
23 want to thank you and everyone -- you mentioned  
24 everyone here today for all their hard work in  
25 bringing this outcome about, excellent success,

1 6/20/2024 - Monthly Meeting

2 excellent work.

3 And my hope is this will continue to  
4 motivate Central Hudson to provide customers with the  
5 service they expect. And -- and on that note, should  
6 issues like this continue, do we have the opportunity  
7 to take additional actions, should we find that the  
8 remedies are not being addressed in a timely manner,  
9 beyond the 2 million that you identified in the  
10 settlement?

11 MR. SIPOS: So the short answer is,  
12 yes, we do have the ability to take further action.  
13 And I would also note on that subject that the  
14 independent monitor's report is part of the settlement  
15 agreement and that independent monitor report includes  
16 recommendations.

17 By approving the settlement agreement  
18 with the independent monitor report, there are metrics  
19 in there specifically with regard to software  
20 management and coordination, testing, traceability. I  
21 was talking with Aric this morning about it.

22 It -- it -- the independent monitor  
23 has recommended that the company really step forward  
24 and ensure that it's software, from a life cycle  
25 perspective is -- is -- is really maintained, you



1 6/20/2024 - Monthly Meeting

2 know, to industry standards.

3 And traceability is an important issue  
4 there and that there is a clear repository and control  
5 over the software items. So that's a little -- that  
6 may be a little too much detail on -- on software and  
7 -- and actually my answer would go even beyond that.

8 If there continued to be problems, I  
9 think the Office of Consumer Services and, you know,  
10 Accounting and Finance and -- and -- and the other  
11 offices here, including O.I.E., you know, stand ready  
12 to -- to really watch and -- and actively monitor what  
13 is -- what is going on here.

14 To come back to what you said, it --  
15 the utility company performs an -- an important role  
16 in the community and it's important that the  
17 communications between the company and its customers  
18 be such that there is a -- that there's a level of  
19 trust and -- and a level of -- pardon the phrase,  
20 utility that it actually accurate data is being  
21 conveyed to customers and they are able to make  
22 decisions based on the accurate data for their -- for  
23 their consumption and also for the pricing issues.

24 So yes, there are other tools and --  
25 and I am sure the department will be watching.

1 6/20/2024 - Monthly Meeting

2 CHAIR CHRISTIAN: All right. Thank  
3 you very much. Thank you everyone for your work on  
4 this. Commissioner Alesi.

5 COMMISSIONER ALESI: Thank you,  
6 Chairman. John, your usual good work along with all  
7 of the others that contributed you mentioned them and  
8 all the people that work along with them as part of  
9 this accomplishment as well. This was no easy  
10 undertaking as we all know.

11 I think it benefited -- it benefits  
12 and will benefit immensely the ratepayers and  
13 customers, but this will also benefit the company  
14 itself by stabilizing it under the framework of this  
15 settlement. And I was making copious notes here about  
16 all of the things that are in your report.

17 We get to the end and I see, of  
18 course, that you have this handy chart for us. So I  
19 could have saved myself some trouble there. Just  
20 quick question, with regard to number five, was that  
21 negotiated, was that offered without request or how  
22 did that come about?

23 MR. SIPOS: So five by my count is  
24 the Consumer Benefit Fund and it is something that was  
25 keenly negotiated. We wanted to ensure that there was

1                   6/20/2024     -     Monthly Meeting  
2     money from the company for the benefit of -- of  
3     ratepayers that the Commission could use as -- as it  
4     deemed appropriate.

5                   COMMISSIONER ALESI:   So that wasn't  
6     just something that the company put out there on their  
7     own?

8                   MR. SIPOS:   That is correct.   We had  
9     to go get it.

10                  COMMISSIONER ALESI:   Either way, a  
11     good result.   Thank you.

12                  MR. SIPOS:   Thank you.

13                  COMMISSIONER ALESI:   I'll be  
14     supporting this.   Good work.

15                  CHAIR CHRISTIAN:   Thank you.  
16     Commissioner Valesky.

17                  COMMISSIONER VALESKY:   Thank you, Mr.  
18     Chairman.   I want to just follow up on -- on  
19     Commissioner Alesi's question.   And to do that, I  
20     don't know if -- if we mechanically can do that.   Can  
21     we bring the slides back up and -- and go to slide  
22     five if that's possible because my -- my brief  
23     comments focus on the chart, which is slide five.

24                  Maybe -- maybe we're not able to bring  
25     that back up, but if we can do that, because I think -

1 6/20/2024 - Monthly Meeting

2 - I think it helps underscore the point that I'm  
3 trying to make. 62 million dollars potential 64.59  
4 million dollars, -- there we go, thank you very much,  
5 is a big, big deal. It's a big -- big deal.

6 And we're a Commission that that deals  
7 in -- in large numbers every month. Every time we're  
8 here, large dollar numbers, large megawatt numbers,  
9 large thermal unit numbers, lots of big numbers. This  
10 is a significant -- significant settlement that has  
11 been reached and I really -- I -- I can't -- I can't  
12 overstate that enough.

13 And John, under your leadership, Aric,  
14 Jeff, and David Rossi, who I wish could be here. I  
15 know he -- he wasn't able to, but just a -- a  
16 phenomenal -- phenomenal job and -- and as positive  
17 and impactful and beneficial an outcome as I could  
18 possibly imagine.

19 And I will -- I will reemphasize what  
20 you said, John, that number that's on the screen right  
21 there, shareholder dollars with no ability for the  
22 company to seek any ratepayer dollars to cover that  
23 number. That -- that's in that settlement. I think  
24 that is incredibly important.

25 And -- and I would just say that, you

1 6/20/2024 - Monthly Meeting

2 know, there's a lot of skepticism in society today  
3 about government. I think we all know that. Many of  
4 us have many years in public service, myself over 25  
5 years. I know Commissioner, former Senator Alesi,  
6 probably more than that.

7 Commissioner Maggiore spent his entire  
8 career in Public Service. Commissioner Sheehan before  
9 she came here had a number of years as well in public  
10 service. This is what public service is all about.  
11 It really is. This is about government acting on  
12 behalf of the people.

13 And this is proof positive that  
14 government in fact can work and it's because of all of  
15 you who have believed in this mission, who have  
16 believed in -- and -- and certainly sympathized and  
17 empathized, but followed the statute in how to  
18 approach a situation as what -- what developed in  
19 regard to the customer billing situation.

20 So you followed the statute. You --  
21 you -- you crossed all your T's and dotted all your  
22 I's. And the bottom line is -- and for those who are  
23 watching here in this room and -- and at home, a sign  
24 being held about the Public Service Commission,  
25 serving the public and holding the company

1 6/20/2024 - Monthly Meeting

2 accountable, that's exactly what we're doing today.

3 We are holding the company  
4 accountable. So thank you again for the outstanding  
5 work.

6 MR. SIPOS: Thank you very much.

7 CHAIR CHRISTIAN: Thank you.

8 Commissioner Maggiore.

9 COMMISSIONER MAGGIORE: Thank you.

10 John, first of all, thank you for the presentation and  
11 thank to everybody who worked on this. You -- you've  
12 approached this in a method -- a systemic method that  
13 has been very thorough and it's produced the said  
14 result today, which is, you know, very impressive and  
15 commendable.

16 I do have some few questions. The  
17 first is just -- I just want to be clear. The cost of  
18 the 62 and 64 million dollar cost of this settlement  
19 will be realized by shareholders and not ratepayers.  
20 Is that correct?

21 MR. SIPOS: That is correct.

22 Shareholder dollars, not ratepayer dollars.

23 COMMISSIONER MAGGIORE: Okay. And how  
24 can we guarantee that those costs are not passed on to  
25 ratepayers through some sort of backdoor?

1 6/20/2024 - Monthly Meeting

2 MR. HOGAN: Sure. Commissioner. Jeff  
3 Hogan. I'll try and answer that for you. The -- I'll  
4 -- I think it's best to talk about kind of item by  
5 item on that slide -- slide 5 for the prudence costs  
6 where the company has spent over 35 million dollars to  
7 rectify the system.

8 Those costs were what we call  
9 expensed. They are not being added into the cost of  
10 the project. They will not be in the rate base. So  
11 when we set rates for the company in the future, those  
12 costs will not be there. We anticipate a rate case  
13 soon for Central Hudson. We'll make sure that those  
14 costs are not going to be there.

15 The negative revenue adjustments are  
16 also a -- are -- are a credit for customers that they  
17 will receive due to the failures of Central Hudson in  
18 certain ways so that we'll make sure that that money  
19 comes from shareholders not from customers.

20 The cost for the monthly meter read  
21 are not in current rates. So when the rate case was -  
22 - case was set three years ago, they anticipated the  
23 bimonthly billing and the cost that supported that  
24 bimonthly billing was what we baked into those rates  
25 through both -- you know, so that covers the period

1 6/20/2024 - Monthly Meeting

2 through this -- this month.

3 For the following rate year, those  
4 costs will not be included and will not be recovered  
5 from customers because we will make sure that the  
6 order that the Commission approves that approves that  
7 the next rate year will be stripped of any costs  
8 related to measuring the meters monthly as opposed to  
9 bimonthly.

10 The 4 million dollars of customer  
11 benefit fund, that's similar to the negative revenue  
12 adjustments in that it will be a pot of money that  
13 will be available for the Commission to use to benefit  
14 customers. And it will essentially replace revenue  
15 that customers otherwise would have paid.

16 So in every single rate case, we  
17 carefully review the dollar amounts that are being  
18 collected from customers and we will make sure that  
19 all of these categories are not in any way backdoored  
20 into the customers -- you know, collected from  
21 customers.

22 COMMISSIONER MAGGIORE: Thank you. In  
23 -- in the course of the process of reaching this  
24 settlement, was any malfeasance identified on the part  
25 of any employees of Central Hudson?



1 6/20/2024 - Monthly Meeting

2 MR. SIPOS: So I believe the short  
3 answer to your question is, no, the December 2022,  
4 O.I.E. report details at some length, missteps.

5 COMMISSIONER MAGGIORE: Yeah.

6 MR. SIPOS: But that I would  
7 characterize in the -- in a prudence arena as opposed  
8 to a criminal self-dealing corruption --

9 COMMISSIONER MAGGIORE: Yeah, yeah.

10 MR. SIPOS: -- arena that -- that  
11 looked to us like it was. And this is what we  
12 alleged. And -- and I hastened also to note that in  
13 coming to this agreement, the company doesn't  
14 necessarily agree with the allegations.

15 I -- I should get that out there just,  
16 you know, in the context of this question. They did  
17 not admit that -- that it undertook imprudent action.  
18 And -- and certainly it did not admit that there was  
19 any -- any malfeasance.

20 So I would -- I would -- that would be  
21 my short answer to it. I'm going to draw a line right  
22 there and conclude the answer to that question. I  
23 will also note separate and apart from your question,  
24 however, Commissioner, that there were personnel  
25 changes.

1 6/20/2024 - Monthly Meeting

2 SECRETARY PHILLIPS: So before --

3 COMMISSIONER MAGGIORE: Okay. That's  
4 my next question, yeah.

5 SECRETARY PHILLIPS: I'm sorry.

6 Before we continue, can you please make sure that your  
7 microphone is on? I'm getting concerns that your  
8 volume is a little low. Commissioner Maggiore --.

9 COMMISSIONER MAGGIORE: Was that  
10 directed to me?

11 SECRETARY PHILLIPS: Yes.

12 Commissioner Maggiore, if you could double check.

13 COMMISSIONER MAGGIORE: Okay. Is my  
14 mic on?

15 SECRETARY PHILLIPS: That's better.  
16 Thank you.

17 COMMISSIONER MAGGIORE: Okay. I think  
18 I was just too far from it. I'm sorry. Okay. So  
19 that actually leads into my next question. You had  
20 mentioned during the main part of the presentation  
21 that part of the resolution are -- I might -- I think  
22 I have this right, strategic personnel replacements  
23 and enhance -- and enhancements. So strategic  
24 personnel replacements, was anybody fired as a result  
25 of this --

1 6/20/2024 - Monthly Meeting

2 MR. SIPOS: Yeah. Maybe I -- maybe I  
3 mumbled and I apologize. I think I meant strategic  
4 personnel improvements. It -- it was not  
5 replacements.

6 COMMISSIONER MAGGIORE: Okay. I'm  
7 sorry if I misheard that.

8 MR. SIPOS: And this -- this goes to  
9 the independent monitors recommendations regarding  
10 software management, software tracking, software  
11 traceability and having a center of excellence  
12 managing the software within the company.

13 COMMISSIONER MAGGIORE: Okay.

14 MR. SIPOS: And I apologize if I -- if  
15 I misspoke or if I was mumbling before.

16 COMMISSIONER MAGGIORE: I -- I might  
17 have heard wrong, so thank you for the clarification.  
18 I've got one last question and then one comment. So  
19 could the -- the penalty here have a negative impact  
20 on the utility's bond rating?

21 MR. HOGAN: Commissioner, the short  
22 answer to that is its potential. There could be a  
23 slight negative impact. The bond ratings are done in  
24 notches and it's kind of a lumpy process. I would not  
25 expect that the 4 million dollar customer benefit fund

1 6/20/2024 - Monthly Meeting

2 amount, as well as, the company having shareholders  
3 pay for all of the monthly meter reader cost above and  
4 beyond what -- you know, this additional cost.

5 I do not believe that that -- those  
6 things alone would lead to a downgrade for the  
7 company. I believe that having this issue settled  
8 would be a slight credit positive for the company.  
9 And so on the balance, I would say I do not -- would  
10 not expect any impact on the company's credit rating  
11 due to all of this.

12 COMMISSIONER MAGGIORE: Okay. Thank  
13 you. And I -- I want to thank you all again for your  
14 work here. I -- you know, I know for myself, but I  
15 know this for other Commissioners as well, that we've  
16 -- we've had to hold back on verbalizing our -- our  
17 opinions about the problem that this settlement is  
18 addressing and I think the settlement is the response  
19 rather than anything that I or my colleagues would say  
20 from up here.

21 And it's a more meaningful response  
22 than simply a rhetorical one, so this is a meaningful  
23 response and I echo, you know, what Commissioner  
24 Valesky said about its -- its worth as a -- as a  
25 product of government service. I -- I -- I do want to

1 6/20/2024 - Monthly Meeting

2 sort of telegraph a message to the -- the incoming new  
3 leadership of Central Hudson.

4 Which is on the one hand Central  
5 Hudson, I believe, employs more than 1000 people and  
6 presumably most, if not all of the employees, are  
7 themselves ratepayers.

8 And you know, just human nature is  
9 such that people go to work and want to do a good job.  
10 It's hard to devote a career to a line of work where  
11 you don't try to do a good job. So my standard  
12 assumption is that people who are going to work for  
13 Central Hudson are well intended and in many respects  
14 do, in fact, do a good job.

15 This was a -- this was a -- an  
16 enormous blunder. And I -- I would just recommend  
17 that the incoming new leadership at least consider  
18 that there are issues with the corporate culture that  
19 deserve a deep dive and a deep assessment.

20 Assuming that individual motivations  
21 are laudatory, are -- are there systemic issues that -  
22 - that allowed for this problem to happen? That's --  
23 that's my only recommendation. And other than that, I  
24 would just -- you know, John, thank you and your team  
25 and everybody who worked on this for this result. And

1                   6/20/2024    -    Monthly Meeting  
2           that -- that's it for me. Thank you very much.

3                               CHAIR CHRISTIAN: Thank you.  
4           Commissioner Bright.

5                               COMMISSIONER BRIGHT: Thank you, Chair  
6           Christian. I would just echo that all the other  
7           Commissioners especially in thanking the team and  
8           staff for all the hard work. The settlement agreement  
9           is an appropriate result for holding utilities  
10          accountable for the service they are providing and  
11          protecting ratepayers now.

12                              And then insulating them from poor  
13          performance in the future, which, you know, I'll just  
14          point to this customer benefit fund as something  
15          that's paid by share -- shareholders that helps to  
16          ensure if something does happen, we have something to  
17          fall back on.

18                              And I did -- one -- one quick question  
19          on the -- I think it's slide 3, but March 2024. The  
20          independent monitor had said they resolved the  
21          critical building issues -- billing issues and reached  
22          a stable state, but then there are -- are foundational  
23          issues that need to be addressed strategically.

24                              And I'm just -- I just want to -- just  
25          want to get some more information about those

1                   6/20/2024     -     Monthly Meeting  
2           strategic recommendations that the independent monitor  
3           had suggested and I have a feeling it's software,  
4           which we'll talk about -- which I know you've talked a  
5           little bit about already, but just to add a little  
6           more info on that.

7                   MR. SIPOS:   Yes, Commissioner, you're  
8           reading my mind.   The -- there was a -- there's a --  
9           there -- there are sections and chapters in the  
10          independent monitor report addressing software issues.

11                   And this was part of the, I think, the  
12          dialogue that Commissioner Maggiore and -- and I were  
13          having where I hope I was clear that while the  
14          independent monitor determined that the -- you know,  
15          the current system is stable and that problems have  
16          been remedied there is potentially on the future  
17          horizon.

18                   So this is a potential issue.   A -- a  
19          need to further organize software, software  
20          deployment, software checking, software improvement.  
21          And I just want to make sure I have this correct.   But  
22          the independent monitor recommended, standardization  
23          and cross checking of software lifecycle development  
24          and implementation, cross team communication and  
25          refinement and standardization of metrics and

1 6/20/2024 - Monthly Meeting

2 reporting dashboards.

3 As part of that, a creation that the -  
4 - the independent monitor recommended a creation of a  
5 testing center of excellence to support effective  
6 standardization and enforcement -- and enforcement of  
7 platform testing standards and practices.

8 So bringing uniformity, bringing  
9 control, checks and balances, it's not someone goes  
10 out and doing an ad hoc tweak to, you know, one -- one  
11 bill and -- and -- and not applying the lessons  
12 learned across the board.

13 I think it's a -- it -- it -- as -- as  
14 the independent monitor indicated, it's an issue for  
15 Central Hudson. It may not be only Central Hudson,  
16 but that's what today's session is about. And the  
17 settlement agreement certainly the independent monitor  
18 identified software, computers.

19 It's -- it's the world we live in and  
20 there's a lot of detail in the code and there needs to  
21 be a custodian, if you will. A monitor, someone who's  
22 actually ensuring that it's being deployed in a  
23 coherent standard way.

24 COMMISSIONER BRIGHT: Yeah, makes a  
25 lot of sense. Thank you so much. And I really



1                   6/20/2024    -    Monthly Meeting  
2    appreciate everybody's work and on behalf of all New  
3    Yorkers to -- to come to this settlement, which is  
4    great.  Thank you so much.

5                   MR. SIPOS:  Thank you, Commissioner.

6                   CHAIR CHRISTIAN:  Thank you.  
7    Commissioner Sheehan.

8                   COMMISSIONER SHEEHAN:  Thank you,  
9    Chair.  Thank you, John, for the presentation and  
10   everyone who's been involved in this.  I'm sure it's  
11   been a long time for you as well as -- as well as for  
12   all of the Central Hudson ratepayers.

13                   As Commissioner Valesky noted, my 30  
14   some years of Public Service, I have seen a lot of  
15   settlements in my time and I've seen a lot of  
16   enforcement cases and so there are certain key  
17   ingredients for me in reviewing cases like this.

18                   So I just had one question, and then  
19   I'll go through some other comments.  One of the  
20   things that's critical, obviously is when you have a  
21   settlement agreement is compliance with that  
22   agreement.  So can you -- can you and maybe Jeff too  
23   just talk about how we will as a department oversee  
24   compliance, monitor company performance.

25                   You know, I don't know if it will also

1 6/20/2024 - Monthly Meeting

2 include audits or just talk a little bit about how we  
3 expect to monitor performance. And I -- the Chair  
4 asked this a little bit, but I just wanted to kind of  
5 hammer it home.

6 MR. SIPOS: Sure. And I think this  
7 will probably be a panel response. With respect to  
8 the shift to monthly meter reading there -- there is a  
9 report that is due in, I believe, it's at the  
10 beginning of November and we will be watching them in  
11 the lead up to that. So we'll have visibility,  
12 insight, accountability as to that.

13 The independent monitor report, as --  
14 as we have been discussing, does have recommendations.  
15 I -- it is my understanding that perhaps that may  
16 touch almost every office here in the department. I'm  
17 -- I'm thinking of -- of OREP. I'm thinking of  
18 Accounting and Finance, Consumer Services.

19 And obviously reliability is -- system  
20 reliability and -- and -- and how this I.T. system  
21 works is -- is -- is -- is key to -- to the utilities  
22 participation in -- in our New York system. So I see  
23 it as sort of going across all -- all the offices, but  
24 I think Jeff and Aric probably have some additional  
25 granular ideas.

1 6/20/2024 - Monthly Meeting

2 MR. RIDER: So I'd say two things.

3 One thing, the first thing is, we keep a close eye on  
4 all utility performance metrics monthly and we'll  
5 continue to do that. We actually have some fantastic  
6 staff in O.C.S. One in particular is a -- an I.T.  
7 wizard, his name is Nate Perrin.

8 And he has developed a way to monitor  
9 the utilities on a -- on a -- almost a real time basis  
10 depending on their -- their filing. So we have a very  
11 close eye on the utility filings and -- and  
12 performance and we'll continue to do that and  
13 specifically in -- in customer complaints.

14 I think if -- if something goes wrong  
15 or -- or is amiss, I think that's where we'll -- it'll  
16 manifest itself and you know we -- we keep a close eye  
17 on that.

18 And I think the second thing is, and -  
19 - and this is in the monitor's report is they  
20 recommend that the utility develop a -- a scorecard or  
21 dashboard that kind of measures and monitors the --  
22 the metrics that they've agreed to implement here.

23 So the -- so the utility will be doing  
24 that and, you know, staff will be closely monitoring  
25 those scorecards to see if there's anything amiss.

1 6/20/2024 - Monthly Meeting

2 MR. HOGAN: And the -- the one final  
3 point I'd like to make on the topic of making sure  
4 there is compliance with the -- with the -- everything  
5 that was discussed today. The management audit, as  
6 was mentioned, that -- that report called for or had a  
7 recommendation for going to monthly meter reads.

8 The next step in that process is  
9 actually an implementation plan the company's filed  
10 and that they now have to file -- I'm sorry, follow.  
11 So the company will be working through their  
12 implementation plan steps and when -- some of the  
13 deliverables include quarterly reporting to prove that  
14 they are making efforts and making strides as expected  
15 on these topics.

16 So staff will get these quarterly  
17 reports and we'll review. If there are any issues,  
18 they can raise them up. And if significant enough,  
19 they can raise them to the Commission. And then on a  
20 -- on a -- it's a lot longer term basis, but we can  
21 also revisit this and a future management audit can  
22 have this as a specific topic, where we can test to  
23 make sure that -- that not only are things going well,  
24 in terms of number of bills that are -- they're having  
25 issues with, et cetera.

1 6/20/2024 - Monthly Meeting

2 But that it all -- that -- there has  
3 also been that -- that internal change that  
4 Commissioner Maggiore was mentioning in terms of  
5 making sure that there's a real focus on -- on  
6 addressing these issues and preventing them from  
7 happening.

8 COMMISSIONER SHEEHAN: Great. Thank  
9 you, Aric. And thank you, Jeff. So for me in looking  
10 at the settlement, to me, it -- it has some of the  
11 most important things that a settlement agreement  
12 should have. One, it holds the company accountable as  
13 has been discussed by all of my colleagues.

14 This agreement is valued at between 62  
15 and 64 million dollars, which is a cost the company  
16 will -- company shareholders will -- will bear; that  
17 is holding the company accountable. Two, it provides  
18 ratepayers with important protections.

19 The monthly meter readings being chief  
20 among the benefits that will provide stability,  
21 predictability for ratepayers. It also includes the 4  
22 million dollar customer benefit fund. And if the fail  
23 -- and if the company fails to meet the monthly meter  
24 reading, it will provide an important additional  
25 charge of 500,000 dollars a month for up -- up to 2

1 6/20/2024 - Monthly Meeting

2 million dollars.

3 Third, it includes the independent  
4 monitor's recommendations to address foundational  
5 issues, which to me is really critical to help ensure  
6 that this doesn't happen again. That's the whole  
7 point. And obviously it keeps in mind that there's --  
8 that individual customer billing complaints still have  
9 to be addressed by the company.

10 And then lastly, as we already just  
11 discussed, there is monitoring of compliance. So to  
12 me it's the full package and it's a very solid  
13 settlement. So thank you all for everyone who's  
14 worked on this.

15 MR. SIPOS: Thank you.

16 CHAIR CHRISTIAN: Thank you. And  
17 before we go to a vote on the item, I just want to  
18 acknowledge the concerned citizens in the room with  
19 the pink sign talking about overbilling that is still  
20 happening. And there was also a sibling sign, which  
21 has since disappeared.

22 But ultimately I want to make a few  
23 points clear and amplify what's been said throughout.  
24 You know, this settlement addresses the issue that  
25 created the billing problems.

1 6/20/2024 - Monthly Meeting

2 You know, what we have identified  
3 through this process for the last two plus years is  
4 we've moved forward in a way where we are now  
5 confident or we're getting information from the  
6 independent monitor, I should say, that the billing  
7 system is now producing accurate bills.

8 That said, we recognize that there are  
9 still complaints. Individual customer's complaints  
10 that have been filed with the agency are still being  
11 reviewed. We anticipate getting more. This  
12 settlement does not absolve the company from  
13 addressing those individual complaints.

14 So I just wanted to make that clear to  
15 the individual in the room holding the sign, so  
16 there's no confusion. Now that said, we'll go to a  
17 vote. My vote is in favor of the recommendation to  
18 adopt the terms of the settlement agreement as  
19 discussed. Commissioner Alesi, how do you vote?

20 COMMISSIONER ALESI: In response to  
21 the report that has been given to us, I vote yes.

22 CHAIR CHRISTIAN: Thank you.  
23 Commissioner Valesky?

24 COMMISSIONER VALESKY: Yes.

25 CHAIR CHRISTIAN: Commissioner

1 6/20/2024 - Monthly Meeting

2 Maggiore?

3 COMMISSIONER MAGGIORE: Yes.

4 CHAIR CHRISTIAN: Commissioner Bright?

5 COMMISSIONER BRIGHT: Yes.

6 CHAIR CHRISTIAN: And Commissioner

7 Sheehan?

8 COMMISSIONER SHEEHAN: Yes.

9 CHAIR CHRISTIAN: Thank you. The item  
10 is approved and the recommendations are adopted.

11 Thank you everyone, great work.

12 MR. SIPOS: Thank you.

13 CHAIR CHRISTIAN: Now, I'm going to  
14 take the opportunity to suggest we take a short break.  
15 It is now, by my time, 12:20. Let's reconvene at  
16 12:30. Thank you, everyone. We'll be right back.

17 (Off the record; 12:21 p.m.)

18 (On the record; 12:34 p.m.)

19 CHAIR CHRISTIAN: Good afternoon,  
20 everyone. Welcome back. We are now on -- on our  
21 sixth item for discussion today. Item 302, case 18-E-  
22 0130, as it relates to the Energy Storage Roadmap Goal  
23 and Deployment Policy. It will be presented today by  
24 Marco Padula.

25 Peter Sheehan, Scott Nevins, and



1 6/20/2024 - Monthly Meeting

2 Stephanie McDermott are available for questions.

3 Marco, please begin.

4 MR. PADULA: Good afternoon, Chair  
5 Christian and Commissioners. Item 302 is a draft  
6 order in case 18-E-0130 in the matter of Energy  
7 Storage Deployment Program, establishing an updated  
8 energy storage goal and deployment policy.

9 On December 28th, 2022, the New York  
10 State Department of Public Service staff and the New  
11 York State Energy Research and Development Authority,  
12 or NYSERDA, jointly filed New York's 6 Gigawatt Energy  
13 Storage Roadmap Policy Options for Continued Growth in  
14 Energy Storage. I'll refer to that as the roadmap.

15 On March 15th, 2024, the roadmap was  
16 updated and issued for public comment, reflecting  
17 revised program cost estimates. The roadmap does  
18 several things. It presents the history on New York's  
19 initial energy storage roadmap and includes an  
20 analysis of the current market for energy storage,  
21 including the progress to date on the policies,  
22 programs, and actions since the Commission's adoption  
23 of the existing 3-gigawatt target.

24 This information provides the basis  
25 for the Commission to perform its required triennial

1                   6/20/2024    -    Monthly Meeting  
2       report.  Most importantly, the roadmap also provides a  
3       detailed assessment of the need for energy storage as  
4       we move toward a highly renewable energy system, along  
5       with the associated market reforms and cost-effective  
6       procurement mechanisms to achieve the increased  
7       storage target.

8                   The assessment revealed several  
9       things.  First, it identified the need for  
10      approximately 12 gigawatts of energy storage by 2040,  
11      which could be achieved with a 6 gigawatt target by  
12      2030 to build the needed pace for such deployment.

13                  The assessment also identified the  
14      need for a mix of short duration, such as 2, 4, and 8-  
15      hour, and long duration, greater than 8-hour storage.  
16      It also estimated just under \$2 billion in net  
17      societal benefits of New York pursuing an energy  
18      storage program.

19                  The draft order before you includes  
20      the Commission's triennial review of New York's energy  
21      storage program to date, and it adopts many of the  
22      recommendations in the roadmap, as I will describe.

23                  Starting with the triennial review,  
24      the draft order concludes that just under one gigawatt  
25      of storage is currently installed or under contract in

1 6/20/2024 - Monthly Meeting

2 New York State, and that storage will play a major  
3 role in the transition to a highly reliable, 100  
4 percent renewable electric grid.

5 It also finds that there are still  
6 several deployment barriers, including rising costs  
7 and revenue certainty, and therefore, more work is to  
8 be done. With that backdrop, the draft order includes  
9 the following key decisions.

10 It adopts a new energy storage target  
11 of 6 gigawatts by 2030. It tasks NYSERDA to procure  
12 an additional 4.7 gigawatts of energy storage to be  
13 deployed by 2030, further defined as 3 gigawatts of  
14 bulk connected storage, 1.5 gigawatts of retail or  
15 community distributed storage, and 200 megawatts of  
16 residential behind-the-meter projects.

17 The draft order also defines  
18 disadvantaged community requirements and  
19 considerations, with a focus on the potential for  
20 energy storage to replace peaker plants in New York  
21 City. The draft order also continues the program for  
22 utility procurements of storage using the dispatch  
23 rights contracts, with the current minimum target of  
24 350 megawatts Statewide.

25 The draft order requires utilities to

1                                   6/20/2024    -    Monthly Meeting  
2       study the potential for utility-owned storage for non-  
3       market transmission and distribution use cases and to  
4       file a report with proposals.  The draft order also  
5       assumes that the New York Power Authority, or NYPA,  
6       and the Long Island Power Authority, or LIPA,  
7       customers are included in the cost allocation and  
8       program participation.

9                                   Lastly, the draft order determines the  
10       cost recovery for the retail and residential program  
11       to be through delivery rates and the cost recovery for  
12       the bulk program to be through supply charges.  The  
13       draft order adopts specific procurement details by  
14       sector, which I will now summarize.

15                                  For the bulk energy sector, bulk  
16       energy storage sector, that's projects greater than 5  
17       megawatts in size.  The draft order adopts a goal of  
18       procuring 3 gigawatts using the index storage credit,  
19       or I.S.C., that was described in the roadmap, which  
20       strikes a balance between giving developers revenue  
21       certainty and not having customers overpay if market  
22       revenues are high.

23                                  Under this mechanism, NYSERDA will  
24       hold competitive procurements and developers will bid  
25       in a strike price, which represents the required

1                                   6/20/2024    -    Monthly Meeting  
2       revenue for the project over the contract term, which  
3       is either 15 or 25 years for short and long duration  
4       storage, respectively.

5                                   The indexed storage credit is the  
6       difference between the strike price and the sum of the  
7       energy market arbitrage revenues and the capacity  
8       market revenues expected to be received by the battery  
9       project each month. NYSERDA shall hold a minimum of  
10      three competitive solicitations issued at least  
11      annually for bulk energy storage, with more allowed if  
12      the 3 gigawatts is not achieved.

13                                  The bulk procurements will also  
14      require that at least 35 percent of the end -- of the  
15      total projects be located in the I.S.O. zones G  
16      through K, and 30 percent in New York City to maximize  
17      disadvantaged community benefits.

18                                  The draft order also adopts a 20  
19      percent target for long duration, that's the greater  
20      than 8 hour energy storage, in each bulk solicitation,  
21      or 600 megawatts out of the 3-gigawatt total.

22                                  For the retail energy storage sector,  
23      those are the projects less than 5 megawatts, and the  
24      -- and the residential storage sector, the draft order  
25      adopts a target of 1.5 gigawatts of retail storage and

1 6/20/2024 - Monthly Meeting

2 200 megawatts of residential storage.

3 NYSERDA shall use an upfront incentive  
4 approach with a region-specific standard offer,  
5 megawatt hour block structure, similar to the current  
6 approach of the storage incentives that are on the  
7 street today.

8 The draft order also allows NYSERDA  
9 the flexibility to modify incentives as storage costs  
10 decline and the market for energy storage systems  
11 becomes self-sustaining.

12 Under the retail and residential  
13 program, there's also the requirement for at least 35  
14 percent of the projects to be located in disadvantaged  
15 community census tracts to satisfy the Climate  
16 Leadership and Community Protection Act.

17 The draft order also presents the  
18 expected cost and bill impacts of the procurement  
19 programs. For the retail and residential program, the  
20 draft order approves a total of 814.6 million dollars  
21 for incentives and NYSERDA administration,  
22 implementation, evaluation, and the New York State  
23 cost recovery expenses.

24 These costs shall be allocated to  
25 electric utilities and LIPA on a Statewide megawatt

1                   6/20/2024    -    Monthly Meeting  
2           hour load ratio share basis and collected from  
3           ratepayers, including NYPA customers, via delivery  
4           rates over the period of 2024 through 2032.

5                    NYSERDA is also directed to utilize  
6           the bill-as-you-go methodology to invoice and receive  
7           funding for those two programs from utilities and  
8           LIPA.

9                    The monthly typical bill impact using  
10          program costs in 2030 of 211 -- 211 million dollars is  
11          approximately 1 dollar per month for residential  
12          customers or 0.6 percent to 1.1 percent depending upon  
13          the utility, and approximately 22 dollars a month for  
14          commercial customers or 0.6 percent to 1.5 percent  
15          depending upon the utility.

16                   For the bulk program, the draft order  
17          describes the range of expected costs under a high and  
18          low future forecast of energy and capacity prices over  
19          the period of 2028 through 2044. That range is 1.3  
20          billion to 2.9 billion in total costs on a nominal  
21          basis for the purchase of index storage credits under  
22          this program over the period from 2028 through 2044.

23                    The draft order requires NYSERDA to  
24          allocate and collect these costs from all  
25          jurisdictional load serving entities and LIPA and NYPA

1 6/20/2024 - Monthly Meeting

2 in proportion to Statewide load.

3 The monthly typical bill impact using  
4 the high range of program costs in 2030 of 227 million  
5 dollars is approximately 1 dollar per month for  
6 residential customers or 0.6 to 1.1 percent depending  
7 upon the utility, and approximately 22 dollars a month  
8 for commercial customers or 0.6 percent to 1.5 percent  
9 depending upon the utility.

10 The draft order also requires NYSERDA  
11 to file an implementation plan for the retail and  
12 residential programs within 60 days and one for the  
13 bulk program within 120 days. These implementation  
14 plans will be noticed for stakeholder comment and be  
15 brought back to the Commission for consideration later  
16 this year.

17 It is important to note that the draft  
18 order requires NYSERDA to incorporate the fire safety  
19 recommendations from the interagency fire safety  
20 working group into the program requirements via the  
21 implementation plans. Another noteworthy requirement  
22 is for the utilities to file a report and proposal  
23 within 120 days on utility-owned storage use cases for  
24 Commission consideration as I described earlier.

25 Lastly, the draft order continues the



1                                   6/20/2024     -     Monthly Meeting  
2           annual report and the triennial review requirements  
3           that will enable the department and the Commission to  
4           monitor progress and make any necessary changes as the  
5           program progresses.

6                                   Overall, the successful implementation  
7           of the programs and policies contained in the draft  
8           order will help to move the State closer to reaching  
9           its climate goals. This concludes my presentation,  
10          and we are happy to take any questions that you may  
11          have.

12                                  CHAIR CHRISTIAN: Thank you, Marco.  
13          In reading this very brief order, I think it was 150  
14          pages, I was struck by the detail and the history  
15          building up to this moment. And it's always a  
16          testament to me just how diligently we work towards  
17          our goal, but also, it's an iterative process, almost  
18          everything that we do.

19                                  And you know, I look at this as the  
20          next great step on our journey towards this target.  
21          So thank you for your hard work and the work of your  
22          team, everyone here, for putting this together. I  
23          know this was no simple task, and I appreciate your  
24          efforts in addressing the various comments and  
25          perspectives throughout.

1 6/20/2024 - Monthly Meeting

2 And you know this is not the end. We  
3 will keep working at it. And you have processes in  
4 place to continue to dialogue. So appreciate the hard  
5 work in putting this together and moving us one step  
6 closer. Thank you. Commissioner Alesi?

7 COMMISSIONER ALESI: A perfect ending  
8 to a very fruitful day. Thank you, and the staff.

9 CHAIR CHRISTIAN: Thank you.  
10 Commissioner Valesky?

11 COMMISSIONER VALESKY: Well, thank  
12 you, Mr. Chairman. And to your point on the length of  
13 this order, there are some 34 ordering clauses, I  
14 guess, here. So there's a lot here, and I'm certainly  
15 not going to go through all of them. But I do -- do  
16 just want to single out two, if I could.

17 The first, I believe, is ordering  
18 clause number 20, which has to do with, and in your  
19 conclusion, you indicate a noteworthy requirement is  
20 for the utilities to file a report and proposal within  
21 120 days on utility-owned storage use cases for  
22 Commission consideration. Could you just flesh that  
23 out a bit?

24 And the reason why I ask, there are a  
25 lot of comments, as you might suspect, on this order.

1 6/20/2024 - Monthly Meeting

2 And one of the areas of comments that there was, not  
3 surprisingly, not universal agreement has to do with  
4 this potential for utility-owned storage proposals.

5 So can you just kind of flesh -- flesh  
6 out a bit, if -- if you don't mind, what that will  
7 look like, what -- what would potentially come before  
8 us, what our responsibility as a Commission would  
9 ultimately be around -- around that issue?

10 MR. PADULA: Sure. I think I would  
11 just want to preface it with this order before you  
12 doesn't change the current Commission policy on  
13 utility ownership of storage, but this does give the  
14 utilities an opportunity to really think hard about  
15 how storage could be used as a T&D asset, in the same  
16 way that when they're doing their planning for the  
17 system and looking that they have a transformer in  
18 their toolbox or they have a capacitor in their  
19 toolbox or a feeder, how is it that storage could be  
20 one of those tools in their toolbox?

21 And it's really a challenge to the  
22 utility to come forth with a very detailed description  
23 of those use cases and what they believe could be the  
24 best use and economic -- economically as well, like  
25 why is this a better solution than one of their other

1 6/20/2024 - Monthly Meeting

2 typical T&D investments.

3 And that will all come, you know,  
4 it'll be put out for comment and we'll come back  
5 before the Commission for consideration. And we'll  
6 see -- we'll see what they bring forward.

7 COMMISSIONER VALESKY: Okay. And --  
8 and so in order -- ordering clause number 21, which is  
9 specific to Con Ed, filing within 60 days of this  
10 order detailing the Rider Q program, is that -- I'm  
11 not -- I'm not -- I'm not familiar with -- with what  
12 the Rider Q program is, can you?

13 MR. PADULA: Rider Q was a variation  
14 in the existing standby rate that offered a much more  
15 granular definition of peak and off-peak periods. It  
16 has since -- the rate has expired, but the Commission  
17 noticed in your standby rate order that was earlier  
18 this year, I believe, that there is still a need for  
19 an offering of a much granular basis for the standby  
20 rate mechanism.

21 This -- this gives the utility an  
22 opportunity to make that filing, and then we would  
23 consider that -- that rate specific for Con Edison to  
24 actually make it consistent with the fact that we do  
25 have more granular time periods for the standby rate

1 6/20/2024 - Monthly Meeting

2 in -- in the other utilities.

3 COMMISSIONER VALESKY: Okay, thank  
4 you. And finally, it would be order 22, the issue of  
5 the fire safety. So I had raised this, I think, with  
6 some other Commissioners as well, as we were moving  
7 through the G.E.I.S. process around this roadmap.

8 As we know, there were three, I  
9 believe, fires around the State. As a result, the  
10 Governor convened a task force, a fire safety working  
11 group, of which I believe this department is a member  
12 of. I note on -- on page 81 of the order.

13 So we know that in February, NYSERDA  
14 released a draft fire code recommendations report. It  
15 says, after receiving comments, updated  
16 recommendations will be issued in June. Have they --  
17 they have not been issued yet, is that correct? But --  
18 -- but this order will incorporate them upon their --  
19 upon their issuance? Is that how that issue will  
20 work?

21 MS. MCDERMOTT: My understanding, can  
22 you hear me okay?

23 COMMISSIONER VALESKY: Yes.

24 MS. MCDERMOTT: My understanding is  
25 that the updated recommendations have not yet been

1 6/20/2024 - Monthly Meeting

2 issued, but upon their issuance, NYSERDA would  
3 incorporate them.

4 COMMISSIONER VALESKY: Okay. And then  
5 in that NYSERDA document, they would come back as part  
6 of the regular process to us?

7 MS. MCDERMOTT: Yes.

8 COMMISSIONER VALESKY: Okay. I think  
9 that's critically important, and I'm pleased to see  
10 that the order includes that -- that requirement.  
11 Thank you very much, and thank you all for your hard  
12 work.

13 CHAIR CHRISTIAN: Thank you.  
14 Commissioner Maggiore?

15 COMMISSIONER MAGGIORE: Thank you. I,  
16 of course, agree with the purpose of this program.  
17 Approval of this order represents a major step for New  
18 York in its efforts to achieve our clean energy goals.  
19 The measures we pass designed to address the crime --  
20 climate crisis are the most important work that we do  
21 as a Commission.

22 Since I've been on the Commission, and  
23 I believe for years before, we have approved every  
24 climate measure presented before us. As if to  
25 underscore the urgency, we are voting on this measure

1 6/20/2024 - Monthly Meeting

2 today in Albany, where temperatures have reached  
3 nearly a 100 degrees for the past three days.

4 In terms of this specific program, by  
5 facilitating the development of a still evolving  
6 technology that the market alone would not support to  
7 the same extent, this program has the potential to  
8 lead to advances that are replicable elsewhere.

9 While New York alone cannot mitigate  
10 the climate crisis, advancing the energy storage  
11 sector through this program once again positions New  
12 York as a leader for others to follow. That said, I  
13 am skeptical about how we're funding this program. I  
14 have two broad and related concerns.

15 The first is that we continue to pay  
16 for the necessary and urgent transition to renewable  
17 energy through one of the most regressive methods of  
18 collecting revenue, utility bill surcharges that we  
19 approve, rather than more progressive methods that are  
20 options for the legislature, but not for us.

21 Secondly, in addition to universal  
22 benefits associated with New York meeting its emission  
23 goals, this proposal identifies particularized  
24 benefits to certain geographic parts of the State, but  
25 we rely on the load share ratio method to determine

1 6/20/2024 - Monthly Meeting

2 who pays what, setting up the perverse dynamic by  
3 which our obligation to direct at least 35 percent of  
4 spending to disadvantaged communities is satisfied by  
5 doing so in some disadvantaged communities at the  
6 expense of others.

7 I asked a series of questions during  
8 our briefings that I'm not going to ask again now, but  
9 would invite you to jump in and correct me if anything  
10 I'm about to say is factually incorrect before I -- I  
11 close these comments with a request. Before I get to  
12 the request, I'm going to further explain my concerns.

13 The draft order recommends that quote,  
14 35 percent of program funding be used in areas which  
15 benefit disadvantaged communities the most and target  
16 peaker plant replacement, end quote. So what we are  
17 doing is equating 35 percent of program funding with  
18 the quote, 35 percent of the overall benefits of  
19 spending end quote, terminology used in the C.L.C.P.A.  
20 To be clear, we are equating funding with the benefits  
21 derived from those funds.

22 In past orders, such as the order  
23 approving the Tier 4 transmission line projects, we  
24 considered the value of net societal benefits,  
25 including the value of cleaner air for part of the



1 6/20/2024 - Monthly Meeting

2 State and a cost-benefit analysis of the projects.

3 That is different than what we're  
4 doing here, and I recognize that the cost-benefit  
5 analysis was conducted for a different purpose. But  
6 my point is that the assignment of value to benefits  
7 of spending, rather than just evaluating the amount of  
8 spending, can be done and has been done.

9 The reason we're looking at how much  
10 spending takes place where, is to ensure compliance  
11 with the laudable requirement that 35 percent of  
12 funding be spent in disadvantaged communities.  
13 However, this goal can and will be achieved even  
14 though the vast majority of spending, or at least the  
15 majority of spending, will take place in some  
16 disadvantaged communities and not others.

17 We decided to use the load share ratio  
18 design for cost recovery based on the idea that the  
19 benefits from the energy storage roadmap -- storage  
20 roadmap are universal, and that it will help New York  
21 achieve its C.L.C.P.A. targets.

22 But for the purpose of determining  
23 what percentage of benefits are enjoyed by  
24 disadvantaged communities, we are using spending  
25 levels, which will not be even across the State, as a

1 6/20/2024 - Monthly Meeting

2 stand-in for benefits.

3 I agree that the benefits from the  
4 energy roadmap, insofar as they help New York meet its  
5 Statewide energy and climate goals, are universal.  
6 However, I think this program also produces  
7 measurable, particularized benefits that some parts of  
8 the State will benefit from at the expense of others.

9 In the disadvantaged community's goal,  
10 however measured, will occur unevenly. We are  
11 establishing the perverse arrangement wherein  
12 ratepayers in some disadvantaged communities will be  
13 subsidizing benefits in other disadvantaged  
14 communities.

15 Circling back to a point I raised  
16 earlier, in that our measure is basically spending, we  
17 are not even really measuring the benefits to the  
18 people living in those disadvantaged communities.

19 Moreover, in that some of the benefits  
20 experienced in disadvantaged communities can spill  
21 over into the next community, some disadvantaged  
22 communities that only receive the universal benefits  
23 of this program will be subsidizing benefits enjoyed  
24 by communities that are not disadvantaged.

25 For instance, ratepayers in a

1 6/20/2024 - Monthly Meeting

2 disadvantaged rural community in, say, Oneida County,  
3 are paying the same as residents in New York City.

4 But a large-scale storage facility built in a  
5 disadvantaged community in New York that ends up  
6 replacing a peaker plant there will lead to cleaner  
7 air.

8 Cleaner air was assigned a value when  
9 we looked at the benefits of the Tier 4 projects. And  
10 that clean air benefit does not stop at the lines  
11 defined -- defining disadvantaged communities in which  
12 the storage facility is located.

13 I keep mentioning the Tier 4 projects.  
14 When I voted to approve load share ratio funding for  
15 those projects, I agreed that the universe --  
16 universality of the climate benefits -- I agreed at  
17 the universality of the climate benefits, but noted  
18 that other benefits taken into account in the cost-  
19 benefit analysis were not universal.

20 However, because New York City and New  
21 York State had agreed to buy renewable energy credits,  
22 the community receiving disproportionate benefits  
23 would in the end pay more. There is no equivalent  
24 arrangement here. The problem here is not the program  
25 itself, which is urgently needed, but how we're

1 6/20/2024 - Monthly Meeting

2 funding it.

3 In addition to geographic disparity,  
4 there's a disconnect between adding a universal  
5 surcharge to everyone's utility bill and the rate  
6 payer's actual ability to pay. Yes, there are low-  
7 income assistance programs, and the legislature has  
8 been generous in helping to fund such programs.

9 However, I don't believe the  
10 legislature fully appreciates how programs like this  
11 are funded or how the benefits are distributed. This  
12 program does not exist in a vacuum. We are adding  
13 surcharges to utility bills to fund many other  
14 necessary and urgent clean energy programs, which I  
15 support.

16 When the transition to clean energy is  
17 complete, there is reason to expect that the cost of  
18 energy for ratepayers will become more affordable than  
19 the alternative. I believe that to be the case. But  
20 there isn't widespread appreciation for the cumulative  
21 impact of the cost of the transition on ratepayers.

22 I don't think the legislature fully  
23 understands this, and frankly, I don't either. While  
24 the legislature is certainly aware of rising energy  
25 bills and again has been generous in funding

1                   6/20/2024    -    Monthly Meeting  
2           affordability programs, they might not fully grasp the  
3           cumulative costs of these renewable energy  
4           initiatives.

5                   They have shown a willingness to  
6           create programs to meet identified needs, which could  
7           theoretically include alternative funding methods for  
8           renewable energy programs that we approve or a new or  
9           enhanced affordability program.

10                   For this reason, as we approve the  
11           energy storage roadmap, I propose that we use the  
12           opportunity to provide further clarity on the  
13           cumulative costs of the necessary renewable energy and  
14           other C.L.C.P.A. related programs we are approving.

15                   I suggest that in our next C.L.C.P.A.  
16           annual report, we include a detailed breakdown of  
17           these programs along with cost projections going  
18           forward to better inform how cost recovery for such  
19           programs will affect ratepayer utility bills. So my  
20           request is, is this something that we could do?

21                   MR. PADULA: Well, that is -- that is  
22           definitely something that we will look into providing,  
23           Commissioner.

24                   COMMISSIONER MAGGIORE: Thank you,  
25           Marco. I -- I appreciate that and I know that when

1 6/20/2024 - Monthly Meeting

2 you say it's something you will look into, if it's  
3 possible, we will do it. And if it's not, then you'll  
4 explain why it's not possible.

5 MR. PADULA: Correct.

6 COMMISSIONER MAGGIORE: So I -- I  
7 appreciate that. Thank you.

8 CHAIR CHRISTIAN: Thank you.  
9 Commissioner Bright.

10 COMMISSIONER BRIGHT: Thank you all  
11 for -- for this order and for all your hard work. I  
12 see this as really incentivizing the outcomes that we  
13 want to see and creating flexible market structures to  
14 unlock the investments that we need, namely on  
15 infrastructure that ensures reliability, flexibility  
16 without fossil fuel combustion.

17 So I also want to highlight how this  
18 could be key infrastructure for revitalizing  
19 brownfields and removing exceedingly dirty peaker  
20 plants that are both expensive to run and have a  
21 cumulative impact on the disadvantaged communities  
22 that peakers are generally cited in.

23 I did have one question. In the  
24 order, we talk a little bit about storage as a  
25 transmission asset and potentially using, you know,

1                   6/20/2024    -    Monthly Meeting  
2           making sure that we're properly valuing the storage  
3           asset.  So I just want to -- and working with New York  
4           I.S.O. on doing that, so I just wanted to maybe get  
5           some more information on that and/or just if you could  
6           just speak on that just a little bit more.

7                   MR. NEVINS:  So currently the I.S.O.  
8           is evaluating that project in their stakeholder  
9           process.  You know, the work is still ongoing in the -  
10          - the ICAP working group to see if that can be an  
11          asset in the future.

12                   COMMISSIONER BRIGHT:  Great.  It seems  
13          to, like it could add more flexibility to -- to what  
14          we're working with here.  So this is great.  I -- I  
15          don't have really any more questions.

16                   My only other comment, you know, we've  
17          seen some really beautiful blue sky days here already  
18          this summer, but I've also been getting a lot of  
19          notifications on my weather app that talk about, you  
20          know, bad air quality and like warning us not to go  
21          outside.

22                   And it's getting hotter and hotter.  I  
23          think this is our hottest year on record.  And I think  
24          Commissioner Valesky also mentioned that.  So you  
25          know, combustion has sort of put us in this vicious

1                   6/20/2024    -    Monthly Meeting  
2       cycle, but I am very encouraged that we are  
3       facilitating the process to rapidly bring us towards  
4       the solutions that we know we want to see in the  
5       future that we know we want to see. So thank you so  
6       much for all your hard work.

7                   CHAIR CHRISTIAN: Thank you. Okay.  
8       And Commissioner Sheehan, you are recused from this  
9       item. Just want to acknowledge that before we move on  
10      to a vote. Again, my vote is in favor of the  
11      recommendation to adopt the updated Statewide Energy  
12      Storage Development Goal as discussed. Commissioner  
13      Alesi, how do you vote?

14                  COMMISSIONER ALESI: Yes.

15                  CHAIR CHRISTIAN: Thank you.  
16      Commissioner Valesky?

17                  COMMISSIONER VALESKY: Yes.

18                  CHAIR CHRISTIAN: Commissioner  
19      Maggiore?

20                  COMMISSIONER MAGGIORE: Concurring.

21                  CHAIR CHRISTIAN: Thank you. And  
22      Commissioner Bright?

23                  COMMISSIONER BRIGHT: Yes.

24                  CHAIR CHRISTIAN: Thank you. And  
25      Commissioner Sheehan is recused. Thank you.



1 6/20/2024 - Monthly Meeting

2 The item is approved and the  
3 recommendations are adopted. Thank you, everyone.  
4 With that, we'll now move to the consent agenda. Do  
5 any Commissioners wish to comment on or recuse from  
6 voting on any items on today's consent agenda? I'll  
7 begin with Commissioner Alesi.

8 COMMISSIONER ALESI: Yes, Chairman, I  
9 would like to recuse on case number 24-G-0082.

10 SECRETARY PHILLIPS: I'm sorry. Could  
11 you confirm the item number, if possible?

12 COMMISSIONER ALESI: Case number 24-G-  
13 0082.

14 CHAIR CHRISTIAN: So 161.

15 SECRETARY PHILLIPS: Thank you.

16 CHAIR CHRISTIAN: No worries. Okay.  
17 Thank you. Commissioner Valesky?

18 COMMISSIONER VALESKY: No comments or  
19 recusals on any items.

20 CHAIR CHRISTIAN: Thank you.  
21 Commissioner Maggiore?

22 COMMISSIONER MAGGIORE: Yes. I'm  
23 going to not recuse from any. I am going to comment  
24 on three. Item 263, the broadband study. I -- I  
25 mention this because during my confirmation process

1                   6/20/2024    -    Monthly Meeting  
2            about three years ago, several senators had expressed  
3            concern or interest that the P.S.C. fulfill its  
4            legislative mandate to conduct this study.

5                                And for the third year in a row, I  
6            think we have -- we have met that expectation. I  
7            think this is a job well done. I think that it is  
8            completely consistent with what the legislature  
9            mandated us to do. And I think that it's a -- it is a  
10           really good work product. So that's item number 263.

11                               Item number 378, the customer benefit  
12           contribution charge. So I don't particularly like to  
13           cast concurrence -- concurrences, but this is going to  
14           be the second item I am going to concur on. In  
15           reviewing some of the comments about this order, I was  
16           concerned that we might be disincentivizing homeowners  
17           from installing solar panels.

18                               There is a logic to this order in that  
19           it clarifies how the C.B.C. should be applied across  
20           utilities. That said, I would have liked to have seen  
21           consideration of even more disproportionate incentives  
22           to ratepayers to install solar panels at the expense  
23           of those who could but chose not to.

24                               How to do this? I don't exactly know.  
25           There is nothing in the record that really

1                   6/20/2024    -    Monthly Meeting  
2           contemplates this concept.  But I think it's worth  
3           exploring, especially since so many of the charges  
4           associated with the transition to clean energy are  
5           unavoidable.

6                                In the abstract, what I was hoping to  
7           see is an option given to ratepayers to lower the cost  
8           of energy by doing something that assists the  
9           transition to clean energy or pay even more to stand  
10          pat.

11                               I ended up spending time reviewing the  
12          initial 2020 order, the comments that went into that  
13          and the process that led to that 2020 order.  I wasn't  
14          on the Commission at the time.  But I reviewed that in  
15          preparation of today's meeting.

16                               And I was impressed by the extensive  
17          process involving multiple stakeholders over a fairly  
18          lengthy period of time of program development.  Out of  
19          respect for the process and acknowledgment of the  
20          logical consistency of the order and because of what I  
21          would really like to see isn't part of the order, I'm  
22          going to concur.

23                               But I want to raise the possibility in  
24          case there is an opportunity to re -- reevaluate the  
25          C.B.C. from the ground up at a later point.  Finally,

1                                   6/20/2024    -    Monthly Meeting  
2           on item 461, the Dover Plains rate filing, I have  
3           often commented about how minor rate cases often  
4           receive no public comments whatsoever.  That's not the  
5           case here.

6                                   I was impressed that many ratepayers  
7           raised several legitimate concerns about this rate  
8           filing.  For the sake of time and because I think the  
9           order does a good job of summarizing those concerns,  
10          I'm not going to do that myself here.  But I want to  
11          acknowledge them and also acknowledge that the order  
12          takes steps, many steps to address these legitimate  
13          concerns.

14                                  Again, for more information, take a  
15          look at the order itself, which I'll be supporting.  I  
16          think this is a good example of how the participatory  
17          public process shapes the outcome for the better.  I  
18          never like raising rates, especially when ratepayers  
19          explain the real-world impact of doing so on their  
20          lives.

21                                  But I'm satisfied that those and other  
22          concerns have been heard and that this order reflects  
23          a considered and good faith effort to address those  
24          concerns.  That's it for me.  Thank you.

25                                  CHAIR CHRISTIAN:  Thank you.

1 6/20/2024 - Monthly Meeting

2 Commissioner Bright?

3 COMMISSIONER BRIGHT: No recusals or  
4 comments.

5 CHAIR CHRISTIAN: Thank you. And  
6 Commissioner Sheehan?

7 COMMISSIONER SHEEHAN: Yes. So I have  
8 three recusals, items 261, 371, and 378. And then I  
9 just had a quick comment that I wanted to share on  
10 item 263, which is the broadband map and report. As  
11 Commissioner Maggiore noted, at -- the report is  
12 required by the Comprehensive Broadband Connectivity  
13 Act of 2021.

14 I just wanted to take a moment to  
15 acknowledge and congratulate staff on their hard work  
16 and diligence to collect and refine the data that is  
17 included in -- in that report and that populate the  
18 map reflecting broadband availability.

19 I think it's important to note that  
20 97-and-a-half percent of the State is served and that  
21 as the report shows competition across the State is  
22 increasing, which is something that we really, you  
23 know, need to see and want to obviously, continue to  
24 encourage.

25 The important -- the other thing

1                   6/20/2024    -    Monthly Meeting  
2           that's important about this data is that it is  
3           critical to informing State investments from the  
4           Connect All Off program administered by E.S.D., which  
5           is intended to obviously increase the number of people  
6           served and increase competition across the State.

7                   So I just wanted to acknowledge the  
8           staff's hard work on that.  It's an impressive piece  
9           of work.  I know it's been presented to the Commission  
10          before.  Commissioner Bright and I had a -- had a more  
11          intensive briefing on it from staff, and I was very  
12          impressed.  So I just wanted to note that.  Thank you.

13                   CHAIR CHRISTIAN:  Thank you.  We'll  
14          now call for a vote.  My vote is in favor of the  
15          recommendations on the consent agenda.  Commissioner  
16          Alesi, how do you vote?

17                   COMMISSIONER ALESI:  Yes on all items  
18          with the exception of 161A, where I will recuse.

19                   CHAIR CHRISTIAN:  Thank you.  
20          Commissioner Valesky?

21                   COMMISSIONER VALESKY:  Yes on all  
22          items.

23                   SECRETARY PHILLIPS:  I just want to  
24          clarify, it was 161A, but only 24-G-0082, correct?  
25          For Commissioner Alesi?

1 6/20/2024 - Monthly Meeting

2 COMMISSIONER ALESI: Thank you for  
3 asking that question. Yes, it's 161A. I had an  
4 almost perfect day. 161A, specifically case 24-G-  
5 0082.

6 SECRETARY PHILLIPS: Thank you. And I  
7 only interrupted because there were multiple orders as  
8 part of that item number.

9 COMMISSIONER ALESI: Never a problem.  
10 Thank you.

11 CHAIR CHRISTIAN: Thank you for the  
12 clarification. Just to kind of recap, Commissioner  
13 Valesky?

14 COMMISSIONER VALESKY: Yes on all  
15 items.

16 CHAIR CHRISTIAN: Thank you very much.  
17 Commissioner Maggiore?

18 COMMISSIONER MAGGIORE: Yes on all  
19 items in the consent agenda except for 378, where I'm  
20 concurring.

21 CHAIR CHRISTIAN: Got it. Thank you.  
22 Commissioner Bright?

23 COMMISSIONER BRIGHT: Yes on all  
24 items.

25 CHAIR CHRISTIAN: Thank you. And

1 6/20/2024 - Monthly Meeting

2 Commissioner Sheehan?

3 COMMISSIONER SHEEHAN: So yes on all  
4 items except for the items that I'm recused, which is  
5 item 261, item 371, and item 378.

6 CHAIR CHRISTIAN: Okay, thank you.  
7 The items are approved and the recommendations are  
8 adopted. Thank you, everyone. Madam Secretary, is  
9 there anything further to come before us today?

10 SECRETARY PHILLIPS: There's nothing  
11 further for today. Thank you.

12 CHAIR CHRISTIAN: Excellent. And with  
13 that, I adjourn. Thank you, everyone. Try to stay  
14 cool. Have a good day.

15 (The meeting adjourned at 1:15 p.m.)

16

17

18

19

20

21

22

23

24

25



1 6/20/2024 - Monthly Meeting

2 STATE OF NEW YORK

3 I, DANIELLE CHRISTIAN, do hereby certify that the  
4 foregoing was reported by me, in the cause, at the time  
5 and place, as stated in the caption hereto, at Page 1  
6 hereof; that the foregoing typewritten transcription  
7 consisting of pages 1 through 137, is a true record of all  
8 proceedings had at the hearing.

9 IN WITNESS WHEREOF, I have hereunto  
10 subscribed my name, this the 24th day of June, 2024.

11

12

13 DANIELLE CHRISTIAN, Reporter

14

15

16

17

18

19

20

21

22

23

24

25

<b>A</b>	
<b>a.m</b> 1:7 2:2	<b>additional</b> 15:22 22:5 30:13 38:14 56:7 68:4 74:24 77:24 83:12
<b>ability</b> 6:16 22:8 53:9 56:12 60:21 100:6	<b>Additionally</b> 11:7
<b>able</b> 57:21 59:24 60:15	<b>address</b> 15:23 52:17 53:4 78:4 94:19 108:12,23
<b>absolve</b> 79:12	<b>addressed</b> 15:2 46:14 56:8 70:23 78:9
<b>absorb</b> 48:25	<b>addresses</b> 78:24
<b>absorbed</b> 48:9	<b>addressing</b> 55:17 68:18 71:10 77:6 79:13 89:24
<b>absorbing</b> 49:10	<b>adjourn</b> 112:13
<b>abstract</b> 107:6	<b>adjourned</b> 112:15
<b>accelerate</b> 48:22	<b>adjusted</b> 15:6
<b>accelerated</b> 45:19	<b>adjustment</b> 15:10 31:24 40:19
<b>accessible</b> 24:3	<b>adjustments</b> 7:17 14:15,20 17:11 31:18 40:23 48:5 63:15 64:12
<b>accomplishment</b> 58:9	<b>administered</b> 110:4
<b>account</b> 9:23 99:18	<b>administration</b> 86:21
<b>accountability</b> 49:13 74:12	<b>admit</b> 65:17,18
<b>accountable</b> 62:2,4 70:10 77:12 77:17	<b>adopt</b> 12:15 22:8 79:18 104:11
<b>accounted</b> 23:24	<b>adopted</b> 21:15 80:10 105:3 112:8
<b>Accounting</b> 51:25 57:10 74:18	<b>adoption</b> 21:19 81:22
<b>accounts</b> 9:20 48:2	<b>adopts</b> 82:21 83:10 84:13,17 85:18,25
<b>accurate</b> 57:20,22 79:7	<b>advances</b> 95:8
<b>accurately</b> 52:25	<b>advancing</b> 95:10
<b>achieve</b> 31:6 82:6 94:18 97:21	<b>adverse</b> 37:19
<b>achieved</b> 55:19 82:11 85:12 97:13	<b>advocate</b> 19:14
<b>achievement</b> 5:9	<b>Aferdita</b> 30:2
<b>achieving</b> 36:12	<b>Affairs</b> 30:9
<b>acknowledge</b> 78:18 104:9 108:11 108:11 109:15 110:7	<b>affect</b> 101:19
<b>acknowledged</b> 45:6 48:8	<b>affordability</b> 101:2,9
<b>acknowledges</b> 29:6	<b>affordable</b> 100:18
<b>acknowledgment</b> 107:19	<b>afternoon</b> 80:19 81:4
<b>Act</b> 86:16 109:13	<b>agency</b> 79:10
<b>acting</b> 61:11	<b>agenda</b> 2:6,8,10 3:4,23,24 42:2 105:4,6 110:15 111:19
<b>action</b> 45:21 53:18 56:12 65:17	<b>aging</b> 43:9
<b>actions</b> 42:17 45:8 51:3 56:7 81:22	<b>ago</b> 39:4 40:21,21 45:14 63:22 106:2
<b>actively</b> 43:21 57:12	<b>agree</b> 65:14 94:16 98:3
<b>activities</b> 5:11 33:19	<b>agreed</b> 47:21 48:3,21 49:20 50:4 50:5 75:22 99:15,16,21
<b>activity</b> 10:12 15:17	<b>agreement</b> 42:16,20 43:4,5 45:15 45:23,25 47:15,16 49:25 50:11 50:15,17 51:6,12,14 55:17 56:15,17 65:13 70:8 72:17 73:21,22 77:11,14 79:18 91:3
<b>actual</b> 16:2,9,22 17:5 22:23 26:14 44:19 47:11 100:6	<b>aim</b> 29:13
<b>ad</b> 72:10	
<b>add</b> 7:10 39:10 51:11 55:16 71:5 103:13	
<b>added</b> 63:9	
<b>adding</b> 100:4,12	
<b>addition</b> 7:16,23 95:21 100:3	

**air** 96:25 99:7,8,10 103:20  
**Albany** 1:9 24:13 95:2  
**Alesi** 1:13 2:13,14 3:6,7 36:13  
 36:14 42:13 58:4,5 59:5,10,13  
 61:5 79:19,20 90:6,7 104:13  
 104:14 105:7,8,12 110:16,17  
 110:25 111:2,9  
**Alesi's** 59:19  
**align** 13:22 47:11,12,12  
**allegations** 45:8 65:14  
**alleged** 65:12  
**alleviate** 46:17  
**allocate** 87:24  
**allocated** 86:24  
**allocation** 84:7  
**allowed** 69:22 85:11  
**allowing** 14:24  
**allows** 86:8  
**alter** 19:16  
**alternative** 100:19 101:7  
**alternatives** 19:16 41:6  
**amazing** 55:21  
**amiss** 75:15,25  
**amount** 50:6 68:2 97:7  
**amounts** 18:24 64:17  
**amplify** 78:23  
**analysis** 30:15 45:12 81:20 97:2  
 97:5 99:19  
**and/or** 11:24 15:12 22:2 26:24  
 103:5  
**annual** 10:11 14:23 20:17 21:18  
 22:12 28:8 89:2 101:16  
**annually** 8:8 11:4 85:11  
**answer** 15:4,19 16:2 17:16 18:12  
 29:19 35:22 56:11 57:7 63:3  
 65:3,21,22 67:22  
**anticipate** 63:12 79:11  
**anticipated** 63:22  
**anybody** 66:24  
**apart** 50:5 65:23  
**Aphrodite** 30:2  
**apologize** 67:3,14  
**apologized** 45:7  
**app** 103:19  
**apparent** 44:13 45:9  
**appear** 19:4  
**appendices** 39:17  
**applied** 106:19  
**applying** 72:11  
**appointments** 15:6  
**appreciate** 13:2 36:17 38:5,9  
 73:2 89:23 90:4 101:25 102:7  
**appreciates** 100:10  
**appreciation** 100:20  
**approach** 22:8 53:2 61:18 86:4,6  
**approached** 62:12  
**appropriate** 7:8 19:20 41:11  
 50:8 59:4 70:9  
**Approval** 94:17  
**approve** 50:15 95:19 99:14 101:8  
 101:10  
**approved** 19:12 29:7 45:23 47:4  
 80:10 94:23 105:2 112:7  
**approves** 64:6,6 86:20  
**approving** 56:17 96:23 101:14  
**approximately** 23:8 25:5,5 26:5  
 27:12,14 28:7,9 33:12,25 34:6  
 34:11,22 35:5,14,17 82:10  
 87:11,13 88:5,7  
**April** 44:2  
**arbitrage** 85:7  
**area** 10:19 23:4 24:23 27:18,18  
**areas** 4:20 7:10 36:10 46:3 91:2  
 96:14  
**arena** 65:7,10  
**Aric** 42:7 51:25 54:7 56:21  
 60:13 74:24 77:9  
**arose** 50:25  
**arrangement** 98:11 99:24  
**arrears** 15:12  
**asked** 54:11 74:4 96:7  
**asking** 111:3  
**aspect** 48:2  
**assessed** 17:25  
**assessment** 69:19 82:3,8,13  
**asset** 22:8 91:15 102:25 103:3  
 103:11  
**assets** 26:6 28:7,20,22,22  
**assign** 52:17  
**assigned** 99:8  
**assignment** 97:6  
**assistance** 100:7  
**assists** 107:8  
**associated** 13:21 15:16 47:23  
 48:10 82:5 95:22 107:4  
**assumes** 84:5  
**Assuming** 69:20  
**assumption** 69:12  
**assurance** 12:18 22:7  
**atmosphere** 8:24

**attention** 12:4  
**attributed** 11:19 17:20 18:7,16  
 23:18 27:15  
**audit** 10:12,22 11:4 14:2 47:6,8  
 52:19 76:5,21  
**auditing** 19:4  
**auditor** 50:21  
**audits** 4:24 10:15,23 11:8 51:25  
 74:2  
**August** 45:24  
**Authority** 81:11 84:5,6  
**authorized** 32:6  
**availability** 109:18  
**available** 4:8 13:6 19:23 20:7  
 30:3 42:8 52:6 64:13 81:2  
**average** 33:9,11,13 34:3,7 54:25  
**averages** 37:20  
**aware** 100:24  
**awareness** 8:17  
**awnings** 25:18

---

**B**

---

**B** 1:15  
**back** 23:11 26:9 48:9 50:3 52:9  
 57:14 59:21,25 68:16 70:17  
 80:16,20 88:15 92:4 94:5  
 98:15  
**back-leak** 9:3  
**backdoor** 62:25  
**backdoored** 64:19  
**backdrop** 83:8  
**background** 20:15  
**backlog** 9:3,6,18,21,24,25 10:3  
**bad** 103:20  
**baked** 63:24  
**balance** 31:6 68:9 84:20  
**balances** 72:9  
**Bardhi** 30:2  
**barriers** 83:6  
**base** 17:15 42:21 47:20 63:10  
**based** 10:15 16:23 17:5 19:15  
 25:19 30:16 37:24 41:6 57:22  
 97:18  
**basically** 98:16  
**basis** 17:11,13,18 18:2,6 21:18  
 22:12 28:8 33:22 44:20 75:9  
 76:20 81:24 87:2,21 92:19  
**battery** 85:8  
**bear** 77:16  
**beautiful** 103:17

**began** 28:4 44:6 52:13  
**beginning** 4:16 8:20 74:10  
**begun** 7:16  
**behalf** 61:12 73:2  
**behind-the-meter** 83:16  
**believe** 65:2 68:5,7 69:5 74:9  
 90:17 91:23 92:18 93:9,11  
 94:23 100:9,19  
**believed** 61:15,16  
**beneficial** 60:17  
**benefit** 36:15 48:15 49:8,21  
 50:6,19 55:21 58:12,13,24  
 59:2 64:11,13 67:25 70:14  
 77:22 96:15 98:8 99:10,19  
 106:11  
**benefited** 58:11  
**benefits** 58:11 77:20 82:17  
 85:17 95:22,24 96:18,20,24  
 97:6,19,23 98:2,3,7,13,17,19  
 98:22,23 99:9,16,17,18,22  
 100:11  
**Berkley** 13:6 39:7,9,20 40:3  
**best** 34:15 63:4 91:24  
**better** 12:15 33:8 36:11 47:11  
 49:12 66:15 91:25 101:18  
 108:17  
**beyond** 49:11 56:9 57:7 68:4  
**bi-monthly** 53:2  
**bid** 84:24  
**big** 53:25 60:5,5,5,5,9  
**bill** 53:10 72:11 86:18 87:9  
 88:3 95:18 100:5  
**bill-as-you-go** 87:6  
**billing** 18:8 42:6,19 43:9,10  
 44:5 45:6 46:11 47:23 48:10  
 49:14 50:25 51:13 52:25 53:2  
 53:25 54:13,18 61:19 63:23,24  
 70:21 78:8,25 79:6  
**billion** 82:16 87:20,20  
**bills** 15:6,7 17:22 18:8,13,19  
 48:12,12 55:5 76:24 79:7  
 100:13,25 101:19  
**bimonthly** 63:23,24 64:9  
**bit** 48:19 71:5 74:2,4 90:23  
 91:6 102:24 103:6  
**Blake** 30:2,5,7 37:17  
**blame** 52:17  
**blanket** 8:24  
**block** 86:5  
**blue** 23:12 25:10 26:12 103:17

**blunder** 69:16  
**board** 52:21 72:12  
**Boardroom** 1:8  
**bond** 67:20, 23  
**born** 40:20  
**bottom** 61:22  
**box** 20:23 21:3, 7, 8  
**break** 48:18, 18 80:14  
**breakdown** 101:16  
**brief** 30:10 43:5 59:22 89:13  
**briefing** 110:11  
**briefings** 96:8  
**Bright** 1:16 2:22, 23 3:15, 16  
 38:16, 17 39:8, 12 40:2, 5 42:14  
 70:4, 5 72:24 80:4, 5 102:9, 10  
 103:12 104:22, 23 109:2, 3  
 110:10 111:22, 23  
**Bright's** 41:15  
**bring** 29:8 49:12 59:21, 24 92:6  
 104:3  
**bringing** 12:3 55:25 72:8, 8  
**broad** 95:14  
**broadband** 105:24 109:10, 12, 18  
**broader** 46:21  
**broken** 5:11 26:8  
**brought** 52:20 88:15  
**brownfields** 102:19  
**budget** 32:7  
**budgetary** 29:2  
**Buffalo** 24:11  
**build** 82:12  
**building** 1:8 8:22 70:21 89:15  
**built** 99:4  
**bulk** 83:14 84:12, 15, 15 85:11, 13  
 85:20 87:16 88:13  
**buried** 5:9  
**buy** 99:21

---

**C**


---

**C.B.C** 106:19 107:25  
**C.L.C.P.A** 96:19 97:21 101:14, 15  
**cable** 21:2, 5, 6  
**calculate** 30:18  
**calculated** 16:23  
**calendar** 4:22 5:2 8:19 9:4, 14  
 11:9, 10 13:17 14:3, 9, 16, 20  
 16:5 17:4, 9 19:23  
**calibrated** 22:17  
**call** 2:4, 11, 11 15:4, 19 16:2  
 17:16 18:12 63:8 110:14

**called** 45:20 76:6  
**calls** 5:17 14:5  
**capacitor** 91:18  
**capacity** 85:7 87:18  
**capital** 30:21 33:18 34:18 35:4  
 35:8  
**capped** 49:23  
**caption** 113:5  
**career** 61:8 69:10  
**carefully** 64:17  
**carry** 22:16  
**cascading** 18:19  
**case** 4:4, 13 11:4 13:4 15:2  
 19:13 20:4 21:16 29:23 31:17  
 38:8 42:3 43:5 45:4 47:7, 8  
 49:4 63:12, 21, 22 64:16 80:21  
 81:6 100:19 105:9, 12 107:24  
 108:5 111:4  
**cases** 13:22 28:10 39:23, 25 41:3  
 41:4 73:16, 17 84:3 88:23  
 90:21 91:23 108:3  
**cast** 106:13  
**cat** 25:17  
**catch** 54:20  
**categories** 5:12 24:22 25:17  
 64:19  
**category** 7:15 9:13  
**cause** 44:22 45:5, 10 50:23 53:3  
 113:4  
**caused** 5:10 34:11, 16 44:17  
**causes** 33:15 44:4  
**census** 86:15  
**center** 67:11 72:5  
**Central** 14:7 16:6, 10, 25 17:15  
 17:20 23:19 31:19 34:20 35:7  
 35:12 42:5, 17 43:8 44:23 45:3  
 45:14 46:9, 10, 19 47:6, 7 50:9  
 51:4, 15 52:21 53:12 54:11  
 56:4 63:13, 17 64:25 69:3, 4, 13  
 72:15, 15 73:12  
**certain** 7:10 46:3 63:18 73:16  
 95:24  
**certainly** 37:23 55:22 61:16  
 65:18 72:17 90:14 100:24  
**certainty** 83:7 84:21  
**certify** 113:3  
**cetera** 76:25  
**Chair** 1:12 2:3, 9, 15, 18, 21, 24  
 3:3, 8, 11, 14, 17, 21 4:9 12:21  
 12:25 13:8, 9 19:25 20:10

29:21 30:5 35:24 36:19 38:2 38:15 40:8,11,14 41:23 42:9 42:12 52:8 54:9 55:3 58:2 59:15 62:7 70:3,5 73:6,9 74:3 78:16 79:22,25 80:4,6,9,13,19 81:4 89:12 90:9 94:13 102:8 104:7,15,18,21,24 105:14,16 105:20 108:25 109:5 110:13,19 111:11,16,21,25 112:6,12 <b>Chairman</b> 36:22 58:6 59:18 90:12 105:8 <b>challenge</b> 91:21 <b>challenges</b> 17:21 18:18 19:8 44:17 <b>chance</b> 8:22 <b>change</b> 36:4 77:3 91:12 <b>changes</b> 2:6,8 46:15 65:25 89:4 <b>chapters</b> 71:9 <b>characterize</b> 65:7 <b>charge</b> 48:16 77:25 106:12 <b>charges</b> 48:14 84:12 107:3 <b>chart</b> 47:18 48:19,20 50:3 58:18 59:23 <b>check</b> 66:12 <b>checking</b> 71:20,23 <b>checks</b> 72:9 <b>chief</b> 77:19 <b>chose</b> 106:23 <b>Christian</b> 1:12 2:3,9,15,18,21 2:24 3:3,8,11,14,17,21 12:25 19:25 29:21 30:6 35:24 36:19 38:2,15 40:8 41:23 42:9,13 52:8 55:3 58:2 59:15 62:7 70:3,6 73:6 78:16 79:22,25 80:4,6,9,13,19 81:5 89:12 90:9 94:13 102:8 104:7,15,18 104:21,24 105:14,16,20 108:25 109:5 110:13,19 111:11,16,21 111:25 112:6,12 113:3,13 <b>Circling</b> 98:15 <b>circuit's</b> 32:14 <b>cited</b> 52:19 102:22 <b>citizens</b> 78:18 <b>City</b> 24:11 83:21 85:16 99:3,20 <b>clarification</b> 67:17 111:12 <b>clarifies</b> 106:19 <b>clarify</b> 110:24 <b>clarity</b> 38:11 101:12 <b>clause</b> 90:18 92:8 <b>clauses</b> 90:13	<b>clean</b> 94:18 99:10 100:14,16 107:4,9 <b>cleaner</b> 96:25 99:6,8 <b>clear</b> 32:12 57:4 62:17 71:13 78:23 79:14 96:20 <b>clearly</b> 40:12 <b>climate</b> 86:15 89:9 94:20,24 95:10 98:5 99:16,17 <b>close</b> 75:3,11,16 96:11 <b>closely</b> 75:24 <b>closer</b> 13:11 29:9 89:8 90:6 <b>code</b> 8:2 21:19 72:20 93:14 <b>coherent</b> 72:23 <b>coincides</b> 8:20 <b>collaborative</b> 4:16 29:12 <b>colleague</b> 39:23 <b>colleagues</b> 68:19 77:13 <b>collect</b> 87:24 109:16 <b>collected</b> 64:18,20 87:2 <b>collecting</b> 95:18 <b>collection</b> 15:17 <b>collections</b> 15:7,13 <b>collective</b> 49:4 <b>collectively</b> 36:16 <b>column</b> 17:10 <b>combined</b> 17:17 35:16 <b>combining</b> 10:5 <b>combustion</b> 102:16 103:25 <b>come</b> 37:3 39:22 57:14 58:22 73:3 91:7,22 92:3,4 94:5 112:9 <b>comes</b> 63:19 <b>coming</b> 20:23 36:12 52:9 65:13 <b>commence</b> 3:22 <b>commenced</b> 2:2 44:3 <b>commendable</b> 62:15 <b>comment</b> 40:14 41:15 67:18 81:16 88:14 92:4 103:16 105:5,23 109:9 <b>commented</b> 108:3 <b>comments</b> 21:12 36:18 46:25 59:23 73:19 89:24 90:25 91:2 93:15 96:11 105:18 106:15 107:12 108:4 109:4 <b>commercial</b> 18:4 87:14 88:8 <b>Commission</b> 1:3 2:5 4:2 5:6 7:16 14:23 19:3 21:8,11,15 22:4 24:10 27:21,23 28:2 32:6 36:5 44:10,22 45:23 47:4 50:7,15 51:4 59:3 60:6 61:24 64:6,13
---	---

76:19 81:25 88:15,24 89:3	79:12
90:22 91:8,12 92:5,16 94:21	<b>company's</b> 16:23 32:17 42:19
94:22 107:14 110:9	44:17 45:5,12 50:14 68:10
<b>Commission's</b> 10:13 28:24 29:17	76:9
45:5 81:22 82:20	<b>company-</b> 31:14
<b>Commissioner</b> 1:13,14,15,16,17	<b>compared</b> 7:3 9:16 27:14,17
2:12,14,15,17,18,20,21,23,24	34:13
3:2,6,7,9,10,12,13,15,16,18	<b>comparing</b> 9:17
3:19 36:13,14,20,21 37:22	<b>competition</b> 109:21 110:6
38:3,4,16,17,19 39:7,8,12	<b>competitive</b> 84:24 85:10
40:2,5,9,10 41:14 46:23 58:4	<b>complained</b> 43:16
58:5 59:5,10,13,16,17,19 61:5	<b>complaint</b> 15:5,20 16:21,22 17:4
61:7,8 62:8,9,23 63:2 64:22	17:5,17 18:13 51:18,22
65:5,9,24 66:3,8,9,12,13,17	<b>complaints</b> 16:24 17:5,7 20:12
67:6,13,16,21 68:12,23 70:4,5	43:18,24 44:4 51:13,16,20
71:7,12 72:24 73:5,7,8,13	75:13 78:8 79:9,9,13
77:4,8 79:19,20,23,24,25 80:3	<b>complete</b> 12:10 25:23 49:18,21
80:4,5,6,8 90:6,7,10,11 92:7	100:17
93:3,23 94:4,8,14,15 101:23	<b>completed</b> 11:22 26:5
101:24 102:6,9,10 103:12,24	<b>completely</b> 106:8
104:8,12,14,16,17,18,20,22,23	<b>completes</b> 19:21 29:18
104:25 105:7,8,12,17,18,21,22	<b>completion</b> 45:21
109:2,3,6,7,11 110:10,15,17	<b>compliance</b> 4:24 10:12,16 11:14
110:20,21,25 111:2,9,12,14,17	26:6 28:2 29:9 73:21,24 76:4
111:18,22,23 112:2,3	78:11 97:10
<b>Commissioners</b> 1:11 2:11 3:4	<b>complications</b> 44:5
4:10 12:21 13:9 20:10 30:6	<b>complied</b> 29:16
41:24 42:13 54:10 68:15 70:7	<b>comply</b> 29:4,13
81:5 93:6 105:5	<b>components</b> 43:3 47:17 49:5,25
<b>communicate</b> 53:9,10	50:12
<b>communicating</b> 49:15	<b>Comprehensive</b> 109:12
<b>communication</b> 71:24	<b>computers</b> 72:18
<b>communications</b> 43:22 44:8 57:17	<b>Con</b> 16:3,14,16,17 20:24 21:3
<b>communities</b> 96:4,5,15 97:12,16	25:11,14,19 31:19 32:25 33:3
97:24 98:12,14,18,20,22,24	33:4,7,10,13,23 34:4 92:9,23
99:11 102:21	<b>concept</b> 40:19 107:2
<b>community</b> 12:14 53:16 57:16	<b>concern</b> 8:10,12 106:3
83:15,18 85:17 86:15,16 98:21	<b>concerned</b> 78:18 106:16
99:2,5,22	<b>concerning</b> 22:19 42:18
<b>community's</b> 98:9	<b>concerns</b> 27:5 39:24 42:15 46:17
<b>companies</b> 4:18 34:23	51:14 66:7 95:14 96:12 108:7
<b>company</b> 20:24 21:4 25:20 28:18	108:9,13,22,24
32:11 42:23 43:13,16,22 44:8	<b>conclude</b> 65:22
45:7,16,19 46:2,13,22 47:10	<b>concludes</b> 12:21 35:22 52:6
47:18,21 48:3,8,11,17,21 49:9	82:24 89:9
49:9,19,21 50:4,13,20 51:8	<b>conclusion</b> 4:3 51:23 90:19
56:23 57:15,17 58:13 59:2,6	<b>concur</b> 106:14 107:22
60:22 61:25 62:3 63:6,11	<b>concurrence</b> 106:13
65:13 67:12 68:2,7,8 73:24	<b>concurrences</b> 106:13
76:11 77:12,15,16,17,23 78:9	<b>concurring</b> 104:20 111:20

<p> <b>condition</b> 21:25 24:6  <b>conduct</b> 2:10 106:4  <b>conducted</b> 11:4 14:2 97:5  <b>conducting</b> 44:19  <b>conducts</b> 10:14,23  <b>conference</b> 14:5  <b>confidence</b> 53:15  <b>confident</b> 79:5  <b>confirm</b> 2:12 105:11  <b>confirmation</b> 105:25  <b>confirmed</b> 14:6  <b>confusion</b> 79:16  <b>congratulate</b> 109:15  <b>Connect</b> 110:4  <b>connected</b> 83:14  <b>connecting</b> 18:9  <b>Connectivity</b> 109:12  <b>consecutive</b> 31:23  <b>consent</b> 105:4,6 110:15 111:19  <b>consequences</b> 13:23  <b>consider</b> 69:17 92:23  <b>considerably</b> 9:19  <b>consideration</b> 88:15,24 90:22  92:5 106:21  <b>considerations</b> 38:22 83:19  <b>considered</b> 8:6 96:24 108:23  <b>consistency</b> 55:9 107:20  <b>consistent</b> 50:16 92:24 106:8  <b>consisting</b> 113:7  <b>consists</b> 25:15  <b>Consolidated</b> 20:24  <b>constraints</b> 29:2  <b>construction</b> 21:21  <b>Consulting</b> 45:18 47:9  <b>consumer</b> 42:19 43:18 51:17,19  52:2 57:9 74:18  <b>consumption</b> 47:11,13 49:15  54:21 57:23  <b>contact</b> 20:23 21:6  <b>contacts</b> 31:25 33:16  <b>contain</b> 15:3,8  <b>contained</b> 89:7  <b>contemplates</b> 107:2  <b>contest</b> 48:4  <b>context</b> 43:6 65:16  <b>continue</b> 7:14 8:12 9:12 12:12  12:19 15:18 19:14,18 23:21  25:21 28:18 29:12 31:25 32:8  32:21 41:2,5,10 51:6,20 56:3  56:6 66:6 75:5,12 90:4 95:15 </p>	<p> 109:23  <b>continued</b> 7:6,9 28:6 43:19,24  45:11 51:2 57:8 81:13  <b>continues</b> 19:8 32:12 37:9 83:21  88:25  <b>continuous</b> 36:3  <b>contract</b> 82:25 85:2  <b>contractor</b> 5:15  <b>contractors</b> 5:24  <b>contracts</b> 83:23  <b>contributed</b> 11:19 58:7  <b>contributing</b> 50:24  <b>contribution</b> 106:12  <b>contributor</b> 31:25  <b>control</b> 12:19 31:7 57:4 72:9  <b>convened</b> 93:10  <b>conveyed</b> 57:21  <b>cool</b> 112:14  <b>coordination</b> 56:20  <b>copious</b> 58:15  <b>core</b> 49:14 52:24  <b>Corning</b> 17:7  <b>Corning's</b> 17:4  <b>corporate</b> 69:18  <b>Corporation's</b> 42:5  <b>correct</b> 17:22 59:8 62:20,21  71:21 93:17 96:9 102:5 110:24  <b>corruption</b> 65:8  <b>cost</b> 8:14 19:16 41:7 48:16 49:9  49:16 50:12 62:17,18 63:9,20  63:23 68:3,4 77:15 81:17 84:7  84:10,11 86:18,23 97:18  100:17,21 101:17,18 107:7  <b>cost-</b> 99:18  <b>cost-benefit</b> 97:2,4  <b>cost-effective</b> 82:5  <b>costs</b> 47:23 48:25 62:24 63:5,8  63:12,14 64:4,7 83:6 86:9,24  87:10,17,20,24 88:4 101:3,13  <b>count</b> 58:23  <b>County</b> 99:2  <b>couple</b> 38:25  <b>coupled</b> 19:3  <b>course</b> 51:4,6 58:18 64:23 94:16  <b>cover</b> 60:22  <b>covers</b> 63:25  <b>COVID</b> 11:23  <b>COVID-19</b> 15:14 18:17  <b>create</b> 101:6  <b>created</b> 52:22 78:25 </p>
---	--



<b>creating</b> 102:13	<b>dashboard</b> 75:21
<b>creation</b> 72:3,4	<b>dashboards</b> 72:2
<b>credit</b> 48:16 52:5 63:16 68:8,10 84:18 85:5	<b>data</b> 5:2 6:7 7:13 10:21 14:6 20:17 30:17,18 31:5 33:4,6 54:12,13 57:20,22 109:16 110:2
<b>credits</b> 48:10 87:21 99:21	<b>date</b> 43:10 51:4 81:21 82:21
<b>crime</b> 94:19	<b>David</b> 1:14 2:15 52:3 60:14
<b>criminal</b> 65:8	<b>day</b> 7:11 13:3 37:11 90:8 111:4 112:14 113:10
<b>crisis</b> 94:20 95:10	<b>days</b> 88:12,13,23 90:21 92:9 95:3 103:17
<b>critical</b> 26:17 46:11 70:21 73:20 78:5 110:3	<b>deal</b> 60:5,5
<b>critically</b> 41:9 94:9	<b>deals</b> 60:6
<b>cross</b> 71:23,24	<b>death</b> 55:14
<b>crossed</b> 61:21	<b>Debbie</b> 51:24
<b>culture</b> 69:18	<b>December</b> 44:10,21 45:22 65:3 81:9
<b>cumulative</b> 100:20 101:3,13 102:21	<b>decided</b> 97:17
<b>curious</b> 39:6	<b>decisions</b> 30:23 38:21 57:22 83:9
<b>current</b> 47:13 63:21 71:15 81:20 83:23 86:5 91:12	<b>decline</b> 6:3,5,6,12 86:10
<b>currently</b> 8:4 18:22 82:25 103:7	<b>decrease</b> 6:7,9
<b>custodian</b> 72:21	<b>decreased</b> 9:8 54:24
<b>customer</b> 13:4,16,18,20,22 14:11 14:24 15:3,5,19 16:8,13,15,16 17:6,9,16,23,24 18:5,12,20,21 19:5,15,19,22 34:12,12,22 35:18 38:24 39:3,15 42:6 43:8 46:17 49:20 50:6,24 51:13 61:19 64:10 67:25 70:14 75:13 77:22 78:8 106:11	<b>decreases</b> 11:17
<b>customer's</b> 34:15	<b>deemed</b> 59:4
<b>customer's</b> 79:9	<b>deep</b> 69:19,19
<b>customers</b> 13:19,25 16:24 17:21 19:20 33:4,11,13 35:6,15,18 37:20 41:12 43:16 45:7 48:14 48:16,23 49:8,16 53:9,11 56:4 57:17,21 58:13 63:16,19 64:5 64:14,15,18,20,21 84:7,21 87:3,12,14 88:6,8	<b>deficiencies</b> 22:2 26:7,11,12,13 26:19 27:2,8,11,13 28:11,13 28:16
<b>cycle</b> 10:22 20:20 22:14 26:4,23 32:10,19 54:14 56:24 104:2	<b>deficiency</b> 26:9,13,22 27:4
<b>cycles</b> 54:14	<b>defined</b> 83:13 99:11
	<b>defines</b> 37:18 83:17
<b>D</b>	<b>defining</b> 99:11
<b>D.P.S</b> 27:24 36:5 43:20 44:7 45:14 46:8 50:22 51:3,18	<b>definitely</b> 101:22
<b>damage</b> 4:21 5:8,11 6:13 10:5	<b>definition</b> 8:5 37:13,16,24 92:15
<b>damages</b> 5:9,12,21,24 6:4,5,10	<b>degradation</b> 32:14
<b>dampening</b> 8:16	<b>degree</b> 55:9
<b>danger</b> 32:8	<b>degrees</b> 95:3
<b>DANIELLE</b> 113:3,13	<b>delays</b> 18:9
	<b>deliverables</b> 76:13
	<b>delivery</b> 26:15 27:7 84:11 87:3
	<b>demolition</b> 5:10
	<b>demonstrated</b> 8:25
	<b>Denise</b> 1:17 2:24
	<b>density</b> 24:15
	<b>department</b> 4:18 20:25 37:5 43:17,22 52:5 57:25 73:23 74:16 81:10 89:3 93:11

<b>depending</b> 75:10 87:12,15 88:6,9	<b>disconnect</b> 100:4
<b>depicts</b> 15:25 16:8,20	<b>discovered</b> 7:24 9:8
<b>deployed</b> 43:8 72:22 83:13	<b>discovery</b> 26:21 27:3,9
<b>deployment</b> 42:18 43:11,15 44:13 46:21 71:20 80:23 81:7,8 82:12 83:6	<b>discuss</b> 48:19
<b>derived</b> 96:21	<b>discussed</b> 46:9 50:5 76:5 77:13 78:11 79:19 104:12
<b>describe</b> 82:22	<b>discussing</b> 74:14
<b>described</b> 84:19 88:24	<b>discussion</b> 3:23 4:2 27:23 80:21
<b>describes</b> 87:17	<b>discussions</b> 25:19 55:13
<b>description</b> 91:22	<b>disincentivizing</b> 106:16
<b>deserve</b> 69:19	<b>disparity</b> 100:3
<b>design</b> 30:21 97:18	<b>dispatch</b> 83:22
<b>designed</b> 94:19	<b>disproportionate</b> 99:22 106:21
<b>detail</b> 46:6 54:4 57:6 72:20 89:14	<b>dispute</b> 45:8
<b>detailed</b> 44:11 82:3 91:22 101:16	<b>dissatisfaction</b> 18:8
<b>detailing</b> 44:12 92:10	<b>distributed</b> 83:15 100:11
<b>details</b> 51:16 65:4 84:13	<b>distribution</b> 4:17 21:10 22:13 23:20 25:25 32:7,20 84:3
<b>detected</b> 22:17,21	<b>District</b> 35:4
<b>determine</b> 10:16 47:11 95:25	<b>dive</b> 69:19
<b>determined</b> 10:25 71:14	<b>division</b> 35:8,14 37:20
<b>determines</b> 50:8 84:9	<b>docketed</b> 45:4
<b>determining</b> 97:22	<b>document</b> 94:5
<b>develop</b> 22:2 75:20	<b>documentation</b> 12:7
<b>developed</b> 8:10 12:5 61:18 75:8	<b>doing</b> 40:13 62:2 72:10 75:23 91:16 96:5,17 97:4 103:4 107:8 108:19
<b>developers</b> 84:20,24	<b>dollar</b> 17:12 49:7,9,11 60:8 62:18 64:17 67:25 77:22 87:11 88:5
<b>developing</b> 38:7	<b>dollars</b> 14:17 17:19 18:2,7,14 18:15 31:24 42:21,22 47:19,20 48:2,4,9 49:5,20,23 50:2,7 60:3,4,21,22 62:22,22 63:6 64:10 77:15,25 78:2 86:20 87:10,13 88:5,7
<b>development</b> 42:18 44:13 71:23 81:11 95:5 104:12 107:18	<b>dotted</b> 61:21
<b>device</b> 22:16,18,20	<b>double</b> 66:12
<b>devote</b> 69:10	<b>Dover</b> 108:2
<b>dialogue</b> 71:12 90:4	<b>downgrade</b> 68:6
<b>difference</b> 85:6	<b>downward</b> 10:2 25:21
<b>different</b> 38:25 97:3,5	<b>draft</b> 21:12 81:5 82:19,24 83:8 83:17,21,25 84:4,9,13,17 85:18,24 86:8,17,20 87:16,23 88:10,17,25 89:7 93:14 96:13
<b>digital</b> 22:22	<b>draw</b> 65:21
<b>diligence</b> 109:16	<b>drive</b> 41:19
<b>diligently</b> 89:16	<b>driving</b> 41:19
<b>direct</b> 96:3	<b>due</b> 5:12 8:24 10:22 24:15 29:2 32:19 63:17 68:11 74:9
<b>directed</b> 44:23 66:10 87:5	
<b>directing</b> 21:9	
<b>direction</b> 53:5	
<b>directive</b> 44:7	
<b>dirty</b> 102:19	
<b>disadvantaged</b> 83:18 85:17 86:14 96:4,5,15 97:12,16,24 98:9,12 98:13,18,20,21,24 99:2,5,11 102:21	
<b>disappeared</b> 78:21	

**duration** 30:19,25 31:4,15 33:20  
33:24 34:4 82:14,15 85:3,19  
**dynamic** 96:2

---

**E**

---

**E.A.M.s** 40:25  
**E.S.D** 110:4  
**earlier** 46:25 53:7 54:3 88:24  
92:17 98:16  
**earnings** 13:23 18:24 40:19  
**eastern** 35:2  
**easy** 58:9  
**echo** 40:11 68:23 70:6  
**economic** 91:24  
**economically** 91:24  
**Ed** 92:9  
**Edison** 16:3,17 20:24 21:3 25:20  
31:20 33:3,7,10,13,23 34:4  
92:23  
**Edison's** 16:15,16 20:24 25:11  
25:14 32:25 33:4  
**education** 12:13  
**effect** 8:16 10:8 18:20 31:4  
**effective** 19:4 32:20 72:5  
**effectively** 53:13  
**efficiently** 54:8  
**effort** 29:8,13 36:17 52:16  
108:23  
**efforts** 4:16 8:17 10:6 12:9,13  
19:4,9 21:12 29:9,11 76:14  
89:24 94:18  
**eight** 11:15  
**either** 37:19 54:19 59:10 85:3  
100:23  
**elected** 43:16  
**electric** 11:20 13:15 18:9 20:4  
20:11,15,18 21:9,18,19,22  
23:25 25:13,22 26:8 27:11  
29:13,17,17,24 30:11,14,15,17  
31:17 33:4 42:5 83:4 86:25  
**electrifying** 21:7  
**electrocuted** 20:22  
**eliminate** 8:13  
**elimination** 12:11  
**emergency** 4:21 6:15,17,22 7:2,9  
7:12 8:15 12:16 16:18,19 30:9  
**emission** 95:22  
**emissions** 8:15  
**empathized** 61:17  
**employee** 7:8 21:4

**employees** 12:6 64:25 69:6  
**employs** 69:5  
**enable** 89:3  
**encountered** 43:14  
**encourage** 7:18 41:3,4,10,13  
109:24  
**encouraged** 36:8 104:2  
**encouraging** 19:5  
**ended** 107:11  
**ends** 99:5  
**energy** 4:11 47:12,13 80:22 81:6  
81:8,11,12,14,19,20 82:3,4,10  
82:17,20 83:10,12,20 84:15,16  
85:7,11,20,22 86:10 87:18  
94:18 95:10,17 97:19 98:4,5  
99:21 100:14,16,18,24 101:3,8  
101:11,13 104:11 107:4,8,9  
**enforcement** 42:17 44:3,15 51:14  
52:4 72:6,6 73:16  
**Engineer** 30:7  
**enhance** 21:12 66:23  
**enhanced** 101:9  
**enhancements** 46:15 66:23  
**enjoyed** 97:23 98:23  
**enormous** 69:16  
**ensure** 8:9 19:11,19 36:7 41:11  
56:24 58:25 70:16 78:5 97:10  
**ensures** 102:15  
**ensuring** 72:22  
**entered** 45:14,15  
**entire** 61:7  
**entities** 87:25  
**equal** 14:16  
**equating** 96:17,20  
**equipment** 31:8 33:16  
**equity** 17:14  
**equivalent** 17:12 99:23  
**error** 5:16,16  
**escalated** 16:24 17:7  
**ESP** 1:8  
**especially** 52:3 70:7 107:3  
108:18  
**essentially** 64:14  
**establish** 50:6  
**established** 7:4 14:13 15:23  
18:23 31:16 51:17  
**establishing** 55:9 81:7 98:11  
**estimated** 15:7 18:13,19 52:25  
82:16  
**estimates** 46:18 54:18 81:17

**estimating** 44:18  
**et** 76:25  
**evaluate** 7:23  
**evaluates** 10:12 11:5  
**evaluating** 97:7 103:8  
**evaluation** 7:23 45:16 46:9  
 86:22  
**Evans** 51:24  
**events** 31:13 34:9,10 37:14  
**everybody** 36:17 62:11 69:25  
**everybody's** 40:11 73:2  
**everyone's** 100:5  
**evolving** 95:5  
**exactly** 62:2 106:24  
**examine** 41:15  
**examines** 4:19 7:21  
**examining** 6:17  
**example** 23:23 108:16  
**excavate** 5:18  
**excavation** 5:10,16  
**excavator** 5:17 12:13  
**exceed** 11:6 37:21  
**exceeded** 14:12 16:4,17  
**exceeding** 7:4  
**exceedingly** 102:19  
**excellence** 67:11 72:5  
**excellent** 55:25 56:2 112:12  
**exception** 110:18  
**excluded** 35:19  
**excluding** 33:7,15,22  
**exclusions** 35:19  
**excuse** 6:9 8:18 45:13  
**exist** 100:12  
**existing** 81:23 92:14  
**expand** 46:20  
**expanded** 32:6  
**expect** 55:11 56:5 67:25 68:10  
 74:3 100:17  
**expectation** 106:6  
**expectations** 55:10  
**expected** 8:12 76:14 85:8 86:18  
 87:17  
**expects** 12:19 25:20  
**expense** 15:12 52:21 96:6 98:8  
 106:22  
**expensed** 63:9  
**expenses** 51:8 86:23  
**expensive** 102:20  
**experience** 19:7 53:12  
**experienced** 11:16,20 33:11,14

34:9 98:20  
**experiencing** 35:8  
**expired** 92:16  
**explain** 37:13 51:16 96:12 102:4  
 108:19  
**exploring** 107:3  
**exposure** 11:23 21:24  
**expressed** 106:2  
**extend** 51:23  
**extensive** 107:16  
**extent** 95:7  
**extremely** 38:19  
**eye** 75:3,11,16

---

**F**


---

**face** 46:13  
**facilitating** 95:5 104:3  
**facilities** 5:10,14 21:10,18  
 22:12,14 23:3,9,20,22 24:22  
 25:24,25 27:16 28:9,21,23  
**facility** 22:9,22 25:17 26:8  
 28:4 29:5 99:4,12  
**facility's** 25:17  
**fact** 53:9 61:14 69:14 92:24  
**factor** 50:24 51:7  
**factors** 30:20  
**factually** 96:10  
**fail** 26:23 77:22  
**failed** 10:19 14:7 16:11 17:2,15  
 17:24 18:3,4,11 31:22  
**failing** 31:19  
**fails** 27:7 77:23  
**failure** 5:17 26:25 53:13 55:15  
 55:15,16  
**failures** 31:8 33:16 44:14 55:14  
 63:17  
**fair** 19:19 41:11  
**fairly** 107:17  
**faith** 53:14,20 108:23  
**fall** 54:21 55:5 70:17  
**Falls** 24:13  
**familiar** 92:11  
**fantastic** 75:5  
**far** 12:9 66:18  
**favor** 79:17 104:10 110:14  
**feasibility** 44:25  
**February** 35:11 93:13  
**feeder** 91:19  
**feel** 38:24 42:10  
**feeling** 71:3

**fell** 16:6  
**fences** 25:18  
**fewer** 6:9 9:7,9,18  
**fifth** 31:23 42:2  
**figure** 17:12  
**file** 14:23 44:24 76:10 84:4  
 88:11,22 90:20  
**filed** 45:19 76:9 79:10 81:12  
**filing** 45:6 75:10 92:9,22 108:2  
 108:8  
**filings** 75:11  
**final** 2:6,8 76:2  
**finally** 93:4 107:25  
**Finance** 51:25 57:10 74:18  
**financial** 47:17 49:24 50:18  
**find** 56:7  
**finding** 23:23  
**findings** 22:23 23:2,5,6,11,12  
 23:14,16,19,24,25 24:16,17,20  
 24:23 25:2,4,9,11,14,15 28:16  
**finds** 83:5  
**Finger** 35:12  
**fire** 25:18 88:18,19 93:5,10,14  
**fired** 66:24  
**fires** 93:9  
**first** 3:23 4:4 5:7 20:2 42:2  
 47:21 52:16 62:10,17 75:3  
 82:9 90:17 95:15  
**five** 11:6 23:12 25:10 26:2,9  
 32:24 33:21 39:2 58:20,23  
 59:22,23  
**five-** 11:5  
**five-point** 16:17  
**five-year** 7:13 20:20 22:14 33:9  
 34:3,7  
**fix** 43:23  
**flesh** 90:22 91:5,5  
**flexibility** 86:9 102:15 103:13  
**flexible** 102:13  
**Floor** 1:8  
**flows** 49:8  
**focus** 19:9 59:23 77:5 83:19  
**follow** 21:4 32:17 59:18 76:10  
 95:12  
**followed** 20:16 61:17,20  
**following** 17:22 43:14 54:21  
 64:3 83:9  
**follows** 5:20 6:3,21  
**force** 93:10  
**forecast** 87:18

**forecasts** 37:10  
**foregoing** 113:4,6  
**former** 61:5  
**forth** 91:22  
**forward** 36:11 56:23 79:4 92:6  
 101:18  
**fossil** 102:16  
**found** 24:4 26:7,11,12,13 27:11  
 27:13,14 28:10,13,16 53:3  
**foundational** 46:13 70:22 78:4  
**four** 5:12,17,19 6:2,8 11:5  
 28:17  
**fourth** 4:3 10:10 20:19,19 26:3  
 26:3 29:22 48:17  
**framework** 58:14  
**frankly** 100:23  
**free** 42:10  
**frequencies** 10:25  
**frequency** 11:6 30:19,20,25  
 31:15,22 32:24 33:8,17  
**frequent** 18:10  
**frequently** 39:22  
**frost** 8:20,24  
**fruitful** 90:8  
**frustration** 46:17  
**fuel** 102:16  
**fulfill** 106:3  
**full** 26:4 28:2 29:9 78:12  
**fully** 29:4,13 30:24 100:10,22  
 101:2  
**functions** 49:15  
**fund** 49:21 50:6 58:24 64:11  
 67:25 70:14 77:22 100:8,13  
**funded** 100:11  
**funding** 29:6 87:7 95:13 96:14  
 96:17,20 97:12 99:14 100:2,25  
 101:7  
**funds** 96:21  
**further** 7:19 12:20 46:16 56:12  
 71:19 83:13 96:12 101:12  
 112:9,11  
**future** 19:12 38:21,21 39:11  
 41:3 46:13 50:9 63:11 70:13  
 71:16 76:21 87:18 103:11  
 104:5

---

**G**


---

**G** 85:15  
**G.E.I.S** 93:7  
**G.P.S** 7:7

<b>gages</b> 5:8	<b>greater</b> 8:21 23:14,18 82:15 84:16 85:19
<b>gas</b> 4:17 5:9 8:14,22,23 10:8,16 13:16 14:10 16:10 17:24 18:9 25:12 42:5	<b>greatest</b> 35:13
<b>gates</b> 25:18	<b>greatly</b> 10:21 15:15
<b>general</b> 7:6 8:25 40:14	<b>green</b> 25:12
<b>generally</b> 8:20 102:22	<b>grid</b> 9:11,12,14,20,22 23:4 24:18,22 25:12 31:20 35:6 83:4
<b>generous</b> 100:8,25	<b>Grid's</b> 23:3 35:8
<b>geographic</b> 27:18 95:24 100:3	<b>Grid's</b> 34:21
<b>geographical</b> 7:10	<b>ground</b> 107:25
<b>geography</b> 31:3	<b>group</b> 88:20 93:11 103:10
<b>getting</b> 48:12 66:7 79:5,11 103:18,22	<b>grouping</b> 23:22
<b>gigawatt</b> 81:12 82:11,24	<b>Growth</b> 81:13
<b>gigawatts</b> 82:10 83:11,12,13,14 84:18 85:12,25	<b>guarantee</b> 62:24
<b>give</b> 91:13	<b>guarded</b> 26:18
<b>given</b> 42:7 48:13 55:5 79:21 107:7	<b>guess</b> 37:6 90:14
<b>gives</b> 92:21	<hr/> <b>H</b> <hr/>
<b>giving</b> 84:20	<b>half</b> 14:17
<b>go</b> 42:11 43:6,10 48:7 51:10 57:7 59:9,21 60:4 69:9 73:19 78:17 79:16 90:15 103:20	<b>halt</b> 32:13
<b>goal</b> 12:10 21:22 80:22 81:8 84:17 89:17 97:13 98:9 104:12	<b>hammer</b> 74:5
<b>goals</b> 89:9 94:18 95:23 98:5	<b>hand</b> 69:4
<b>goes</b> 36:16 37:11 67:8 72:9 75:14	<b>handy</b> 58:18
<b>going</b> 6:10,13 13:2 23:11 26:9 48:17,18,19 50:2 53:23,25 55:8 57:13 63:14 65:21 69:12 74:23 76:7,23 80:13 90:15 96:8,12 101:17 105:23,23 106:13,14 107:22 108:10	<b>happen</b> 4:3 69:22 70:16 78:6
<b>good</b> 2:3 4:9 13:8 20:9 30:5 36:9,10 38:20 42:12 54:9 58:6 59:11,14 69:9,11,14 80:19 81:4 106:10 108:9,16,23 112:14	<b>happened</b> 39:4 55:15
<b>government</b> 61:3,11,14 68:25	<b>happening</b> 77:7 78:20
<b>Governor</b> 93:10	<b>happy</b> 35:22 39:10 53:5 89:10
<b>granular</b> 74:25 92:15,19,25	<b>hard</b> 55:24 69:10 70:8 89:21 90:4 91:14 94:11 102:11 104:6 109:15 110:8
<b>graph</b> 9:11 10:4 23:10 25:8 26:7 32:23 33:20 34:14	<b>harmful</b> 21:25
<b>graphs</b> 28:15	<b>hastened</b> 65:12
<b>grasp</b> 101:2	<b>hazard</b> 26:14,19
<b>grateful</b> 53:4	<b>hazardous</b> 7:24
<b>great</b> 20:2 55:3 73:4 77:8 80:11 89:20 103:12,14	<b>hazards</b> 22:2 26:17
	<b>healthy</b> 53:22
	<b>hear</b> 93:22
	<b>heard</b> 67:17 108:22
	<b>hearing</b> 35:25 113:8
	<b>heat</b> 37:9
	<b>heights</b> 36:12
	<b>held</b> 61:24
	<b>help</b> 13:22 78:5 89:8 97:20 98:4
	<b>helpful</b> 36:25 40:7 55:8
	<b>helping</b> 41:19 100:8
	<b>helps</b> 60:2 70:15
	<b>hereof</b> 113:6
	<b>hereto</b> 113:5
	<b>hereunto</b> 113:9

<b>Hi</b> 39:8	<b>idea</b> 97:18
<b>high</b> 7:11 11:3 18:8 34:25 54:17 54:19 84:22 87:17 88:4	<b>ideas</b> 74:25
<b>higher</b> 9:19	<b>identified</b> 10:18 11:3,11 24:20 44:13 50:22 56:9 64:24 72:18 79:2 82:9,13 101:6
<b>highest</b> 9:19	<b>identifies</b> 95:23
<b>highlight</b> 40:22 52:11 102:17	<b>identify</b> 7:7 14:25 21:24 30:19
<b>highlights</b> 40:12	<b>identifying</b> 12:3 52:22 53:3
<b>highly</b> 82:4 83:3	<b>illuminating</b> 38:19
<b>historical</b> 23:10 26:7 54:13	<b>imagine</b> 60:18
<b>historically</b> 7:11 54:16	<b>immediate</b> 26:15 27:5 31:4
<b>history</b> 81:18 89:14	<b>immensely</b> 36:15 58:12
<b>hoc</b> 72:10	<b>imminent</b> 26:14
<b>Hogan</b> 42:8 51:24 63:2,3 67:21 76:2	<b>impact</b> 27:6 32:3 35:13 67:19,23 68:10 87:9 88:3 100:21 102:21 108:19
<b>hold</b> 68:16 84:24 85:9	<b>impacted</b> 15:16 34:18,25
<b>holding</b> 61:25 62:3 70:9 77:17 79:15	<b>impactful</b> 35:16 60:17
<b>holds</b> 77:12	<b>impacts</b> 47:17 86:18
<b>home</b> 61:23 74:5	<b>impermeability</b> 8:24
<b>homeowners</b> 106:16	<b>implement</b> 31:9 42:24 75:22
<b>hop</b> 50:3	<b>implementation</b> 17:22 43:15 47:5 71:24 76:9,12 86:22 88:11,13 88:21 89:6
<b>hope</b> 56:3 71:13	<b>implemented</b> 12:5 19:2
<b>hoping</b> 37:23 53:18 107:6	<b>implementing</b> 47:24
<b>horizon</b> 71:17	<b>importance</b> 32:19 40:24 46:24
<b>hotter</b> 103:22,22	<b>important</b> 36:25 37:4 40:16 41:9 52:11 53:8 57:3,15,16 60:24 77:11,18,24 88:17 94:9,20 109:19,25 110:2
<b>hottest</b> 103:23	<b>importantly</b> 82:2
<b>hour</b> 33:24 34:5 82:15 85:20 86:5 87:2	<b>impressed</b> 107:16 108:6 110:12
<b>hours</b> 34:13 35:19 37:21	<b>impressive</b> 62:14 110:8
<b>housing</b> 21:7	<b>improve</b> 7:15 32:15 39:21
<b>How's</b> 42:11	<b>improved</b> 5:3 7:3 9:3,7,14
<b>Hudson</b> 14:7 16:6,10,25 17:15,20 31:19 35:7 42:5,17 43:8 44:23 45:3,14 46:10,20 47:7 50:9 51:4,15 52:21 54:11 56:4 63:13,17 64:25 69:3,5,13 72:15,15 73:12	<b>improvement</b> 5:20,23,25 9:2 29:10 36:3 71:20
<b>Hudson's</b> 23:19 34:20 53:13	<b>improvements</b> 7:19 9:15 12:20 36:9 50:18 67:4
<b>Hudson's</b> 46:9	<b>imprudent</b> 45:8 65:17
<b>human</b> 69:8	<b>inaccuracies</b> 46:18
<b>humidity</b> 37:9	<b>inaccurate</b> 5:13
<b>hydrants</b> 25:18	<b>incentive</b> 15:17 49:18 86:3
	<b>incentives</b> 7:17 19:11 86:6,9,21 106:21
<b>I</b>	<b>incentivizing</b> 102:12
<b>I.S.C</b> 84:19	<b>incident</b> 21:2
<b>I.S.O</b> 85:15 103:4,7	<b>include</b> 4:21 7:25 31:14 74:2 76:13 101:7,16
<b>I.T</b> 74:20 75:6	
<b>I'd</b> 41:13	
<b>I's</b> 61:22	
<b>ICAP</b> 103:10	

<b>included</b> 14:4 21:17 48:23 64:4 84:7 109:17	<b>infrastructure</b> 12:17 102:15,18
<b>includes</b> 25:17 48:6 56:15 77:21 78:3 81:19 82:19 83:8 94:10	<b>ingredients</b> 73:17
<b>including</b> 12:5 57:11 81:21 83:6 87:3 96:25	<b>initial</b> 81:19 107:12
<b>inclusion</b> 41:3	<b>initiated</b> 46:2
<b>income</b> 100:7	<b>initiation</b> 44:14
<b>incoming</b> 69:2,17	<b>initiatives</b> 101:4
<b>incorporate</b> 7:16 22:5 41:5 88:18 93:18 94:3	<b>injury</b> 22:19
<b>incorrect</b> 96:10	<b>insight</b> 74:12
<b>increase</b> 11:18 23:16,17,19 25:14,16 27:10,13,15,16 110:5 110:6	<b>insofar</b> 98:4
<b>increased</b> 9:10 11:15 43:19,25 82:6	<b>inspect</b> 28:6,19
<b>increases</b> 18:18	<b>inspected</b> 26:2 27:16 28:9,12
<b>increasing</b> 32:18 109:22	<b>inspection</b> 21:17 25:23 26:4,6 26:18,23 28:5,10,16 29:3,8
<b>incredibly</b> 36:25 60:24	<b>inspections</b> 11:22 12:7 22:9 26:8 27:10,18 29:5 33:19
<b>incremental</b> 46:4	<b>inspectors</b> 22:15
<b>incur</b> 15:9	<b>install</b> 106:22
<b>incurred</b> 11:14 14:16,20 16:12 17:2,9,11	<b>installed</b> 82:25
<b>incurring</b> 16:7 31:23	<b>installing</b> 106:17
<b>independent</b> 22:7 42:24 45:17 46:7 47:25 50:20 52:20 56:14 56:15,18,22 67:9 70:20 71:2 71:10,14,22 72:4,14,17 74:13 78:3 79:6	<b>instance</b> 38:9 98:25
<b>index</b> 84:18 87:21	<b>instances</b> 48:11
<b>indexed</b> 85:5	<b>insulated</b> 21:3
<b>indicate</b> 90:19	<b>insulating</b> 70:12
<b>indicated</b> 37:14 54:13,17 72:14	<b>intended</b> 49:15 69:13 110:5
<b>indicates</b> 5:2	<b>intending</b> 28:19
<b>indication</b> 10:11	<b>intensive</b> 110:11
<b>indicators</b> 18:22	<b>intent</b> 5:18
<b>individual</b> 11:2 14:14 30:13 51:12,20,22 53:22 55:10 69:20 78:8 79:9,13,15	<b>interaction</b> 16:19
<b>industrial</b> 18:5	<b>interagency</b> 88:19
<b>industry</b> 57:2	<b>interest</b> 50:9,16 55:22 106:3
<b>info</b> 71:6	<b>interests</b> 13:22
<b>inform</b> 101:18	<b>interim</b> 45:15,23,25
<b>information</b> 3:25 4:14 13:3 17:23 20:13,15 29:23 30:13 38:18,20 40:7 42:6,19 43:9 44:8 47:13 49:16 70:25 79:5 81:24 103:5 108:14	<b>internal</b> 77:3
<b>informing</b> 110:3	<b>interrogatories</b> 14:4
	<b>interrupted</b> 35:15 111:7
	<b>interruption</b> 30:16 33:8,12,14 34:13
	<b>interruptions</b> 30:19 31:7,10 32:2 33:2,15,18 34:12,16
	<b>interval</b> 7:4
	<b>intervals</b> 6:19,21 7:2
	<b>inventories</b> 7:22
	<b>invest</b> 33:18
	<b>investigation</b> 4:24 10:15 20:25 42:4 44:4,6,12,24 45:12
	<b>investigations</b> 10:24 44:3 52:4
	<b>investment</b> 30:21
	<b>investments</b> 92:2 102:14 110:3
	<b>investor-owned</b> 31:17
	<b>invite</b> 96:9



<b>invoice</b> 87:6	<b>jurisdiction</b> 21:11
<b>involved</b> 73:10	<b>jurisdictional</b> 87:25
<b>involving</b> 107:17	
<b>Island</b> 9:12,23 27:21,25,25 28:4 28:8,17 29:7,12 84:6	<b>K</b>
<b>Island's</b> 9:15 29:3	<b>K</b> 85:16
<b>issuance</b> 93:19 94:2	<b>KEDLI</b> 16:3
<b>issue</b> 24:4 52:13 53:4 55:18 57:3 68:7 71:18 72:14 78:24 91:9 93:4,19	<b>KEDNY</b> 16:3
<b>issued</b> 21:8 44:11,22 81:16 85:10 93:16,17 94:2	<b>keenly</b> 58:25
<b>issues</b> 12:4 15:24 18:9 43:23 46:11,14 47:24 50:25 52:22 56:6 57:23 69:18,21 70:21,21 70:23 71:10 76:17,25 77:6 78:5	<b>keep</b> 75:3,16 90:3 99:13
<b>it'll</b> 29:25 75:15 92:4	<b>keeps</b> 78:7
<b>item</b> 3:20,22,23 4:4,4 13:3,3,14 20:3,3,4 29:22,23,23 42:2,2,3 42:15 50:3 63:4,5 78:17 80:9 80:21,21 81:5 104:9 105:2,11 105:24 106:10,11,14 108:2 109:10 111:8 112:5,5,5	<b>kept</b> 15:6 55:6
<b>items</b> 3:5,25,25 37:2 38:8 41:25 48:20 57:5 105:6,19 109:8 110:17,22 111:15,19,24 112:4 112:4,7	<b>Kevin</b> 4:7 30:2 37:7
<b>iterative</b> 89:17	<b>key</b> 53:16 73:16 74:21 83:9 102:18
<b>J</b>	<b>kicked</b> 40:21
<b>J</b> 1:14	<b>kind</b> 54:20 63:4 67:24 74:4 75:21 91:5 111:12
<b>James</b> 1:13 2:12	<b>Kline</b> 4:7,9,10
<b>January</b> 20:21 21:16 45:3	<b>know</b> 35:25 36:2 40:14,19,20 41:4 43:7 52:13 55:4,12,22 57:2,9,11 58:10 59:20 60:15 61:2,3,5 62:14 63:25 64:20 65:16 68:4,14,14,15,23 69:8 69:24 70:13 71:4,14 72:10 73:25,25 75:16,24 78:24 79:2 89:19,23 90:2 92:3 93:8,13 101:25 102:25 103:9,16,20,25 104:4,5 106:24 109:23 110:9
<b>Jason</b> 20:7	<b>known</b> 43:11
<b>Jeff</b> 42:8 51:24 60:14 63:2 73:22 74:24 77:9	<b>Kyle</b> 13:5,6,10 20:2
<b>Jeffrey</b> 4:7,8,10 12:25	<b>L</b>
<b>job</b> 20:2 60:16 69:9,11,14 106:7 108:9	<b>L.D.C</b> 5:13,15 7:14 9:20 10:19 11:8,17,24 12:10
<b>Jody</b> 20:22	<b>L.D.C.'s</b> 4:20 5:8 6:16,25 7:18 7:21 10:5 11:12,25 12:4
<b>John</b> 1:15 2:18 42:7,9 58:6 60:13,20 62:10 69:24 73:9	<b>L.D.C.s</b> 4:18 5:4,24 7:6 8:12,25 10:15 11:14,16,16 12:4,12
<b>jointly</b> 81:12	<b>Labelle</b> 13:5,8,12,14
<b>journey</b> 89:20	<b>lack</b> 50:22
<b>Jucha</b> 12:24	<b>Lakes</b> 35:12
<b>July</b> 21:8 45:13	<b>Lancaster</b> 35:14
<b>jump</b> 96:9	<b>Lane</b> 20:22
<b>June</b> 1:6 45:13 49:2 93:16 113:10	<b>language</b> 15:9
	<b>large</b> 15:22,25 16:21 33:3 34:20 35:2 60:7,8,8,9
	<b>large-scale</b> 99:4
	<b>largest</b> 23:22 31:25 34:17,24 35:10
	<b>lastly</b> 78:10 84:9 88:25

**late** 48:11 50:25  
**lateness** 48:13  
**laudable** 97:11  
**laudatory** 69:21  
**Law** 37:18  
**Lawrence** 14:10 16:10 17:24  
**lead** 68:6 74:11 95:8 99:6  
**leader** 95:12  
**leadership** 60:13 69:3,17 86:16  
**leading** 49:6  
**leads** 66:19  
**leak** 4:21 6:17 7:8,21,22,25  
 8:18 9:6,18,21,24,25 10:3,6,7  
 12:15,16  
**leakage** 8:8  
**leaks** 7:23,24 8:3,4,7,11,13,19  
 9:5,7,8,9,9,10,18  
**learned** 72:12  
**led** 18:18 107:13  
**legacy** 43:10  
**legislative** 106:4  
**legislature** 95:20 100:7,10,22  
 100:24 106:8  
**legitimate** 108:7,12  
**length** 65:4 90:12  
**lengthy** 107:18  
**lessons** 72:11  
**Let's** 80:15  
**level** 23:17,18 26:9,10,11,12,13  
 26:22 27:4 28:14,14,14 29:6  
 57:18,19  
**levels** 15:10 31:2 97:25  
**Liberty** 14:10 16:10 17:23  
**life** 56:24  
**lifecycle** 71:23  
**light** 22:12 24:5,8  
**lights** 22:16 23:21,24 24:3,21  
**liked** 106:20  
**limit** 22:18  
**limited** 12:6  
**line** 28:24 61:22 65:21 69:10  
 96:23  
**lines** 41:14 99:10  
**LIPA** 27:22 29:11 84:6 86:25  
 87:8,25  
**little** 48:19 57:5,6 66:8 71:5,5  
 74:2,4 102:24 103:6  
**live** 43:10 48:7 72:19  
**lives** 108:20  
**living** 98:18

**load** 87:2,25 88:2 95:25 97:17  
 99:14  
**located** 85:15 86:14 99:12  
**locations** 24:14  
**logic** 106:18  
**logical** 107:20  
**long** 9:12,15,22 27:20,24,25  
 28:4,8,17 29:3,7,12 52:9  
 73:11 82:15 84:6 85:3,19  
**longer** 26:20 34:2,6,6 76:20  
**look** 11:10 36:2,11 39:2 55:17  
 89:19 91:7 101:22 102:2  
 108:15  
**looked** 54:13 65:11 99:9  
**looking** 42:12 77:9 91:17 97:9  
**looks** 11:9  
**lost** 8:14 35:6 53:14  
**lot** 36:16 53:14 55:6 61:2 72:20  
 72:25 73:14,15 76:20 90:14,25  
 103:18  
**lots** 60:9  
**low** 25:15 54:19 66:8 87:18  
**low-** 100:6  
**lower** 22:21 107:7  
**lumpy** 67:24

---

**M**


---

**M** 1:12,17  
**macroecon** 18:17  
**macroeconomic** 18:18  
**Madam** 2:5 112:8  
**Maggiore** 1:15 2:19,20 3:12,13  
 38:3,4,20 42:13 61:7 62:8,9  
 62:23 64:22 65:5,9 66:3,8,9  
 66:12,13,17 67:6,13,16 68:12  
 71:12 77:4 80:2,3 94:14,15  
 101:24 102:6 104:19,20 105:21  
 105:22 109:11 111:17,18  
**main** 66:20  
**maintained** 56:25  
**maintenance** 8:14 21:21 30:21  
 33:19  
**major** 4:17 11:12 30:14 31:6,12  
 33:7,15,15,22 34:9,10,16  
 35:19 37:13,16,18 83:2 94:17  
**majority** 25:16 48:23 97:14,15  
**making** 19:15 40:25 41:6 58:15  
 76:3,14,14 77:5 103:2  
**malfeasance** 64:24 65:19  
**manage** 40:15

<b>management</b> 4:22 7:21 10:6 22:8 31:2,3 32:4,7,20 47:6 52:19 56:20 67:10 76:5,21	30:1 31:1 32:1 33:1 34:1 35:1 36:1 37:1 38:1 39:1 40:1 41:1 42:1 43:1 44:1 45:1 46:1 47:1 48:1 49:1 50:1 51:1 52:1 53:1 54:1 55:1 56:1 57:1 58:1 59:1 60:1 61:1 62:1 63:1 64:1 65:1 66:1 67:1 68:1 69:1 70:1 71:1 72:1 73:1 74:1 75:1 76:1 77:1 78:1 79:1 80:1 81:1 82:1 83:1 84:1 85:1 86:1 87:1 88:1 89:1 90:1 91:1 92:1 93:1 94:1 95:1 95:22 96:1 97:1 98:1 99:1 100:1 101:1 102:1 103:1 104:1 105:1 106:1 107:1,15 108:1 109:1 110:1 111:1 112:1,15 113:1
<b>managing</b> 67:12	<b>meetings</b> 43:21
<b>mandate</b> 106:4	<b>megawatt</b> 60:8 86:5,25
<b>mandated</b> 106:9	<b>megawatts</b> 83:15,24 84:17 85:21 85:23 86:2
<b>Manhattan</b> 20:22	<b>member</b> 53:16 93:11
<b>manifest</b> 75:16	<b>mention</b> 105:25
<b>manner</b> 44:9 46:5 49:19 56:8	<b>mentioned</b> 40:15 54:2 55:23 58:7 66:20 76:6 103:24
<b>manual</b> 23:7,11	<b>mentioning</b> 77:4 99:13
<b>map</b> 109:10,18	<b>message</b> 69:2
<b>March</b> 34:18 46:7 47:4 70:19 81:15	<b>met</b> 14:12 16:13 17:3 29:5,16 31:21 32:17 106:6
<b>Marco</b> 80:24 81:3 89:12 101:25	<b>metal</b> 21:7
<b>marked</b> 20:18	<b>meter</b> 42:25 44:19 45:2,20,22 46:3,16,20,22 47:10 48:22 49:12,18,25 50:20,23 54:24 63:20 68:3 74:8 76:7 77:19,23
<b>market</b> 81:20 82:5 84:3,21 85:7 85:8 86:10 95:6 102:13	<b>meters</b> 51:5 64:8
<b>marking</b> 5:13	<b>methane</b> 8:15
<b>matter</b> 81:6	<b>method</b> 62:12,12 95:25
<b>matters</b> 51:14	<b>methodology</b> 87:6
<b>mature</b> 12:19	<b>methods</b> 95:17,19 101:7
<b>maximize</b> 85:16	<b>metric</b> 17:2
<b>maximum</b> 49:22	<b>metrics</b> 14:8,18 15:21,23 18:20 19:9,11 27:25 41:16 54:5 56:18 71:25 75:4,22
<b>McDermott</b> 81:2 93:21,24 94:7	<b>mic</b> 66:14
<b>meaningful</b> 68:21,22	<b>Michael</b> 4:7
<b>means</b> 54:25	<b>microphone</b> 13:11 66:7
<b>meant</b> 67:3	<b>Mid-Hudson</b> 35:3
<b>measurable</b> 98:7	<b>migration</b> 8:22
<b>measure</b> 5:8,11 6:15 7:21 10:10 11:9 15:21 30:25 36:4 40:15 94:24,25 98:16	<b>Mike</b> 12:24
<b>measured</b> 98:10	<b>million</b> 14:17 17:18 18:7,14,15 31:24 42:21,22 47:19,20 48:2
<b>measures</b> 4:6,14,15 5:19 6:2 9:2 11:10 12:23 15:4,5,7,16 31:9 75:21 94:19	
<b>measuring</b> 36:5 64:8 98:17	
<b>mechanically</b> 59:20	
<b>mechanism</b> 15:13 40:19 84:23 92:20	
<b>mechanisms</b> 15:17 19:2 31:14 40:24 41:17 82:6	
<b>medium</b> 18:4	
<b>meet</b> 10:20 14:7 16:11 17:24 18:3,4,11 31:19 32:18 37:21 77:23 98:4 101:6	
<b>meeting</b> 1:1,4 2:1,2 3:1 4:1 5:1 6:1 7:1 8:1 9:1 10:1 11:1 12:1 13:1 14:1 15:1 16:1 17:1 18:1 19:1 20:1 21:1 22:1 23:1 24:1 25:1 26:1 27:1 28:1 29:1	

48:4,9 49:5,6,7,8,23 50:2,7	6:1 7:1 8:1 9:1 10:1 11:1
55:19,20 56:9 60:3,4 62:18	12:1 13:1 14:1,23 15:1 16:1
63:6 64:10 67:25 77:15,22	17:1 18:1 19:1 20:1 21:1 22:1
78:2 86:20 87:10 88:4	23:1 24:1 25:1 26:1 27:1 28:1
<b>mind</b> 71:8 78:7 91:6	29:1 30:1,16 31:1 32:1,17
<b>minimizing</b> 5:9	33:1 34:1 35:1 36:1 37:1 38:1
<b>minimum</b> 4:25 7:5 10:13,20 21:20	39:1 40:1 41:1 42:1,25 43:1
27:6 83:23 85:9	44:1,19,25 45:1,20,22 46:1,2
<b>minor</b> 108:3	46:16,20,21 47:1,10,11 48:1
<b>minutes</b> 6:22,23,24 33:25,25	48:22 49:1,12,17 50:1,20,23
34:2,5,5	51:1 52:1 53:1,24 54:1,24
<b>miscellaneous</b> 24:22	55:1 56:1 57:1 58:1 59:1 60:1
<b>misheard</b> 67:7	61:1 62:1 63:1,20 64:1,8 65:1
<b>misinterpretation</b> 11:25	66:1 67:1 68:1,3 69:1 70:1
<b>Mismarked</b> 5:21	71:1 72:1 73:1 74:1,8 75:1,4
<b>mismarks</b> 5:13	76:1,7 77:1,19,23 78:1 79:1
<b>missed</b> 14:11 19:10	80:1 81:1 82:1 83:1 84:1 85:1
<b>mission</b> 37:5 61:15	86:1 87:1,9 88:1,3 89:1 90:1
<b>misspoke</b> 67:15	91:1 92:1 93:1 94:1 95:1 96:1
<b>missteps</b> 65:4	97:1 98:1 99:1 100:1 101:1
<b>misunderstanding</b> 11:25	102:1 103:1 104:1 105:1 106:1
<b>Mitchell</b> 20:7	107:1 108:1 109:1 110:1 111:1
<b>mitigate</b> 21:24 95:9	112:1 113:1
<b>mitigated</b> 22:25 23:3 24:17,18	<b>months</b> 33:12,14 45:14
26:19	<b>moratory</b> 15:15
<b>mix</b> 82:14	<b>morning</b> 2:4 4:9 13:9 20:9 30:5
<b>mobile</b> 22:5 24:9,10 25:3,6,10	42:12 46:25 54:9 56:21
<b>modified</b> 22:4	<b>motivate</b> 56:4
<b>modify</b> 86:9	<b>motivations</b> 69:20
<b>Mohawk</b> 14:11 16:4,11 18:3,7	<b>move</b> 13:2,11 20:3 29:22 41:25
34:19 35:3	82:4 89:8 104:9 105:4
<b>moment</b> 89:15 109:14	<b>moved</b> 79:4
<b>money</b> 59:2 63:18 64:12	<b>moving</b> 2:10 27:25 28:20 46:16
<b>monitor</b> 19:18 32:21 41:10 42:25	55:6 90:5 93:6
45:17 46:8,9,12,15,23 47:25	<b>multiple</b> 22:4 39:24 52:18
50:21 52:20 56:15,18,22 57:12	107:17 111:7
70:20 71:2,10,14,22 72:4,14	<b>mumbled</b> 67:3
72:17,21 73:24 74:3,13 75:8	<b>mumbling</b> 67:15
79:6 89:4	<b>municipality</b> 24:7
<b>monitor's</b> 54:11 78:4	
<b>monitor's</b> 56:14 75:19	<b>N</b>
<b>monitored</b> 43:21	<b>N.E.S.C</b> 21:20
<b>monitoring</b> 19:3 46:24 75:24	<b>N.R.A</b> 16:12 17:3,18,25 18:6
78:11	<b>N.R.A.s</b> 13:21 16:7 17:9 18:14
<b>monitors</b> 67:9 75:21	48:5
<b>month</b> 44:18 49:20 51:5 54:14,15	<b>name</b> 2:11 4:10 30:6 75:7 113:10
54:17,17,19,21 55:7,7,11,11	<b>Nate</b> 75:7
60:7 64:2 77:25 85:9 87:11,13	<b>nation</b> 14:10
88:5,7	<b>National</b> 9:11,12,14,20,22 21:19
<b>monthly</b> 1:1,4 2:1 3:1 4:1 5:1	23:2,4 24:18,22 25:12 31:20

34:21 35:6,7  
**Natural** 13:16  
**nature** 69:8  
**nearly** 95:3  
**necessarily** 52:16 65:14  
**necessary** 24:8 89:4 95:16  
 100:14 101:13  
**need** 31:9 36:6 41:18 70:23  
 71:19 82:3,9,14 92:18 102:14  
 109:23  
**needed** 82:12 99:25  
**needs** 72:20 101:6  
**negative** 14:15,19 17:11 31:18  
 31:23 40:23 48:4 63:15 64:11  
 67:19,23  
**negotiated** 13:21 58:21,25  
**net** 10:8 82:16 96:24  
**networks** 32:25  
**never** 108:18 111:9  
**Nevins** 80:25 103:7  
**new** 1:2,9 4:17 8:2 9:12,15,23  
 13:15 17:23 18:22 20:24 24:11  
 24:12 29:16 30:10 35:2,12  
 36:12 42:19 43:8,13 69:2,17  
 73:2 74:22 81:9,10,12,18  
 82:17,20 83:2,10,20 84:5  
 85:16 86:22 94:17 95:9,11,22  
 97:20 98:4 99:3,5,20,20 101:8  
 103:3 113:2  
**Niagara** 14:11 16:3,11 18:3,7  
 24:13  
**no-call** 6:5  
**nominal** 87:20  
**non-** 11:13 16:18 84:2  
**non-compliance** 10:11,18 11:11  
 11:15 12:11  
**non-compliances** 11:18  
**non-hazardous** 8:6  
**non-performance** 18:25  
**non-utility** 25:16  
**normally** 39:10  
**notches** 67:24  
**note** 56:5,13 65:12,23 88:17  
 93:12 109:19 110:12  
**noted** 3:21 31:11 43:24 44:16  
 47:18 73:13 99:17 109:11  
**notes** 51:11 58:15  
**noteworthy** 88:21 90:19  
**notice** 5:18  
**noticed** 37:8 88:14 92:17

**notification** 5:19  
**notifications** 6:17 7:12 52:15  
 103:19  
**November** 74:10  
**Nuclear** 30:8  
**number** 6:8,10 8:14 9:8,9 11:13  
 11:15,18 16:23 23:15 25:8  
 28:15 58:20 60:20,23 61:9  
 76:24 90:18 92:8 105:9,11,12  
 106:10,11 110:5 111:8  
**numbers** 60:7,8,8,9,9  
**numerous** 43:14  
**NYPA** 84:5 87:3,25  
**NYSEG** 14:7 16:6,11,25 18:11,16  
 31:22 32:2,5,7,16 35:6  
**NYSEG's** 32:22 35:13  
**NYSEG's** 34:21  
**NYSERDA** 81:12 83:11 84:23 85:9  
 86:3,8,21 87:5,23 88:10,18  
 93:13 94:2,5

---

**O**


---

**O.C.S** 75:6  
**O.I.E** 44:7,11,23 45:9,11 57:11  
 65:4  
**obligated** 51:15  
**obligation** 96:3  
**obviously** 73:20 74:19 78:7  
 109:23 110:5  
**occasion** 50:10  
**occasions** 22:4  
**occur** 12:20 26:25 98:10  
**occurred** 31:13 34:17,24 35:10  
**October** 43:2 48:24 49:22  
**odor** 6:17 7:9 8:16 12:15  
**off-peak** 92:15  
**offer** 86:4  
**offered** 58:21 92:14  
**offering** 92:19  
**office** 4:11 30:8 43:18 44:2  
 51:18,24 52:2,4 57:9 74:16  
**offices** 57:11 74:23  
**officials** 43:17  
**oh** 39:13  
**okay** 13:12 37:22,22 39:12 62:23  
 66:3,13,17,18 67:6,13 68:12  
 92:7 93:3,22 94:4,8 104:7  
 105:16 112:6  
**Olive** 35:11  
**once** 22:21 26:2 95:11

<b>one-call</b> 5:18,22 6:8	<b>owns</b> 24:7
<b>Oneida</b> 99:2	
<b>ongoing</b> 19:3 103:9	
<b>operating</b> 11:12 37:20	
<b>operation</b> 21:21	
<b>operational</b> 27:5	
<b>Operations</b> 47:6	
<b>operators</b> 7:14 11:17	
<b>opinions</b> 68:17	
<b>opportunity</b> 56:6 80:14 91:14 92:22 101:12 107:24	
<b>opposed</b> 11:9 64:8 65:7	
<b>option</b> 107:7	
<b>options</b> 81:13 95:20	
<b>orange</b> 16:4 26:11 31:20 35:7	
<b>order</b> 2:5 21:9 24:10 32:6 44:22 45:5,10 64:6 81:6 82:19,24 83:8,17,21,25 84:4,9,13,17 85:18,24 86:8,17,20 87:16,23 88:10,18,25 89:8,13 90:13,25 91:11 92:8,10,17 93:4,12,18 94:10,17 96:13,22 102:11,24 106:15,18 107:12,13,20,21 108:9,11,15,22	
<b>ordering</b> 90:13,17 92:8	
<b>orders</b> 96:22 111:7	
<b>OREP</b> 74:17	
<b>organize</b> 71:19	
<b>original</b> 21:14	
<b>outages</b> 18:10 34:22 35:8	
<b>outcome</b> 54:6 55:25 60:17 108:17	
<b>outcomes</b> 102:12	
<b>outliers</b> 9:13	
<b>outlook</b> 39:4	
<b>outreach</b> 12:13	
<b>outside</b> 50:21 103:21	
<b>outstanding</b> 62:4	
<b>overall</b> 5:2 9:21 21:22 27:11 33:5 47:19 89:6 96:18	
<b>overbilling</b> 78:19	
<b>overhead</b> 22:13 23:3,20 28:19,22 33:2	
<b>Overland</b> 47:9	
<b>overpay</b> 84:21	
<b>oversee</b> 73:23	
<b>overstate</b> 60:12	
<b>overview</b> 14:18 20:11	
<b>owned</b> 20:23	
<b>owner</b> 27:22	
<b>ownership</b> 24:3 91:13	
	<b>P</b>
	<b>P.A</b> 45:18
	<b>p.m</b> 1:7 80:17,18 112:15
	<b>P.S.C</b> 15:5,20 16:21,24 17:17 18:13 106:3
	<b>pace</b> 82:12
	<b>package</b> 78:12
	<b>Padula</b> 80:24 81:4 91:10 92:13 101:21 102:5
	<b>page</b> 44:11 93:12 113:5
	<b>pages</b> 89:14 113:7
	<b>paid</b> 64:15 70:15
	<b>pandemic</b> 11:23 15:14 18:17
	<b>panel</b> 74:7
	<b>panels</b> 106:17,22
	<b>paper</b> 11:21
	<b>paramount</b> 13:18 36:7
	<b>pardon</b> 57:19
	<b>part</b> 8:2,7 10:22 23:25 32:5 35:19 36:3 37:18 40:3 45:25 46:6 56:14 58:8 64:24 66:20 66:21 71:11 72:3 94:5 96:25 107:21 111:8
	<b>participate</b> 51:17
	<b>participation</b> 74:22 84:8
	<b>participatory</b> 108:16
	<b>particular</b> 40:18 54:12 75:6
	<b>particularized</b> 95:23 98:7
	<b>particularly</b> 106:12
	<b>partner</b> 53:17
	<b>partnership</b> 53:21
	<b>parts</b> 34:18 95:24 98:7
	<b>party</b> 45:17 47:25
	<b>Pasinella</b> 4:7 12:24
	<b>pass</b> 94:19
	<b>passed</b> 62:24
	<b>pat</b> 107:10
	<b>Patrick</b> 30:2,3,6 35:24 37:7,14
	<b>Pause</b> 20:7
	<b>paused</b> 15:18
	<b>pay</b> 49:20 51:8 68:3 95:15 99:23 100:6 107:9
	<b>payer's</b> 100:6
	<b>paying</b> 99:3
	<b>payment</b> 18:9 49:23
	<b>pays</b> 96:2
	<b>peak</b> 92:15
	<b>peaker</b> 83:20 96:16 99:6 102:19

<p> <b>peakers</b> 102:22  <b>pen</b> 22:16  <b>penalty</b> 67:19  <b>pending</b> 23:5 24:24 42:16 49:4  <b>people</b> 53:14 58:8 61:12 69:5,9          69:12 98:18 110:5  <b>percent</b> 5:23,25 6:5,6,8,21,23          6:23 7:3 9:4,7,8,10,16,16,21          9:23 18:13 23:8 25:5,23,24          26:5 27:13 28:7,11,20,20,23          34:11,12 35:17,18 37:19 54:25          83:4 85:14,16,19 86:14 87:12          87:12,14,14 88:6,8,8 96:3,14          96:17,18 97:11 109:20  <b>percentage</b> 6:18 33:3 97:23  <b>percentages</b> 6:20 7:5  <b>perfect</b> 40:2,5,6 90:7 111:4  <b>perform</b> 32:9 49:14 81:25  <b>performance</b> 4:5,12,13,20 5:3,5          6:3,13,25 7:15,22 12:20,22          13:5,17,20 14:4,13,18,19,25          15:10,21 16:2,9,22 17:21          18:17,21,23 19:22 20:5 27:25          29:25 30:11,16 31:14 32:5,15          32:24 33:21,23 36:6 38:24          39:22 40:24 41:11,17,20 45:13          70:13 73:24 74:3 75:4,12  <b>performance-</b> 19:14 41:5  <b>performed</b> 27:19  <b>performing</b> 28:21  <b>performs</b> 30:15 57:15  <b>period</b> 5:4,5 7:13 43:20 48:5          63:25 87:4,19,22 107:18  <b>periods</b> 92:15,25  <b>permanent</b> 23:5 24:24  <b>Perrin</b> 75:7  <b>persistent</b> 8:16  <b>personally</b> 55:4  <b>personnel</b> 7:10 11:24 46:15          65:24 66:22,24 67:4  <b>perspective</b> 37:2 56:25  <b>perspectives</b> 89:25  <b>perverse</b> 96:2 98:11  <b>Peter</b> 80:25  <b>phenomenal</b> 60:16,16  <b>Philip</b> 20:7,9  <b>Philipose</b> 20:6,8 29:22  <b>PHILLIPS</b> 2:7 13:10,13 66:2,5,11          66:15 105:10,15 110:23 111:6          112:10       </p>	<p> <b>phrase</b> 57:19  <b>piece</b> 110:8  <b>pilot</b> 28:5,18 29:11 46:2,20          54:3,12,22  <b>pink</b> 78:19  <b>pipe</b> 10:7  <b>pipeline</b> 4:5,12,13,25 10:13,24          12:11,22  <b>place</b> 7:9 18:22 90:4 97:10,15          113:5  <b>Plains</b> 24:12 108:2  <b>plan</b> 32:19,21 44:24 45:20 47:5          76:9,12 88:11  <b>planning</b> 4:12 91:16  <b>plans</b> 12:5 14:14 15:8 88:14,21  <b>plant</b> 96:16 99:6  <b>plants</b> 83:20 102:20  <b>platform</b> 72:7  <b>play</b> 83:2  <b>please</b> 2:11 4:8 5:7 6:14 7:20          9:24 10:10 13:7,11 14:6 19:21          20:8,14,21 21:14 22:10 24:9          25:21 27:20 29:15 30:3,14          32:23 33:20 34:8 35:21 43:6          45:2 47:2,14 51:11 66:6 81:3  <b>pleased</b> 53:5 94:9  <b>plus</b> 24:15 49:6 55:20 79:3  <b>point</b> 5:23 17:13 38:7 52:10          60:2 70:14 76:3 78:7 90:12          97:6 98:15 107:25  <b>pointed</b> 46:24 52:25  <b>points</b> 17:11,18 18:2,6 35:25          78:23  <b>policies</b> 81:21 89:7  <b>policy</b> 80:23 81:8,13 91:12  <b>poor</b> 17:20 70:12  <b>populate</b> 109:17  <b>population</b> 17:6 24:15  <b>portion</b> 17:14  <b>portions</b> 34:20 35:2  <b>poses</b> 11:2 26:15  <b>positions</b> 95:11  <b>positive</b> 7:17 10:8 15:9 60:16          61:13 68:8  <b>possibility</b> 107:23  <b>possible</b> 26:20 59:22 102:3,4          105:11  <b>possibly</b> 60:18  <b>pot</b> 64:12  <b>potential</b> 8:16 13:23 22:19       </p>
---	---

42:22 46:18 47:19 49:24 55:20 60:3 67:22 71:18 83:19 84:2 91:4 95:7	53:19 54:10 64:23 67:24 76:8 79:3 89:17 93:7 94:6 103:9 104:3 105:25 107:13,17,19 108:17
<b>potentially</b> 7:24 21:25 37:11 71:16 91:7 102:25	<b>processes</b> 90:3
<b>power</b> 26:16 27:7 84:5,6	<b>procure</b> 83:11
<b>practice</b> 44:18	<b>procurement</b> 82:6 84:13 86:18
<b>practices</b> 12:15 30:22 72:7	<b>procurements</b> 83:22 84:24 85:13
<b>predictability</b> 77:21	<b>procuring</b> 84:18
<b>predicts</b> 32:11	<b>produced</b> 62:13
<b>preface</b> 91:11	<b>produces</b> 98:6
<b>preparation</b> 107:15	<b>producing</b> 41:17 79:7
<b>prepared</b> 46:5	<b>product</b> 68:25 106:10
<b>Preparedness</b> 30:9	<b>Professional</b> 30:7
<b>prescribed</b> 8:5 10:20 12:8	<b>program</b> 22:7 26:4 28:5,19,24 29:3,11 32:4,18 45:2 46:2,21 48:22,22,24 54:3,12,22 81:7 81:17 82:18,21 83:21 84:8,10 84:12 86:13,19 87:10,16,22 88:4,13,20 89:5 92:10,12 94:16 95:4,7,11,13 96:14,17 98:6,23 99:24 100:12 101:9 107:18 110:4
<b>present</b> 2:12,14 6:20 26:17 27:5 28:15 39:24 40:4	<b>programs</b> 10:7 12:19 25:7 32:8 81:22 86:19 87:7 88:12 89:7 100:7,8,10,14 101:2,6,8,14,17 101:19
<b>presentation</b> 12:22 19:22 20:12 29:19 35:22 38:12 42:7 46:6 52:6,12 62:10 66:20 73:9 89:9	<b>progress</b> 32:17,22 36:9 81:21 89:4
<b>presentations</b> 36:13,24 37:25 38:5,7,10 40:18 41:22	<b>progresses</b> 89:5
<b>presented</b> 4:6 13:5 20:6 29:25 31:12 36:2 80:23 94:24 110:9	<b>progressive</b> 95:19
<b>presenters</b> 36:22	<b>project</b> 63:10 85:2,9 103:8
<b>presents</b> 25:8 81:18 86:17	<b>projections</b> 101:17
<b>preservation</b> 44:6	<b>projects</b> 33:19 83:16 84:16 85:15,23 86:14 96:23 97:2 99:9,13,15
<b>presumably</b> 69:6	<b>prompt</b> 49:19
<b>prevent</b> 31:9	<b>promptly</b> 6:16
<b>preventing</b> 77:6	<b>prone</b> 10:7 12:16 33:2
<b>prevention</b> 4:21 5:8,11 10:6	<b>proof</b> 61:13
<b>previous</b> 9:4,14 39:16 54:19 55:13	<b>properly</b> 21:3 55:16,16 103:2
<b>price</b> 84:25 85:6	<b>proportion</b> 88:2
<b>prices</b> 47:12,13 87:18	<b>proposal</b> 21:12 88:22 90:20 95:23
<b>pricing</b> 57:23	<b>proposals</b> 84:4 91:4
<b>primarily</b> 11:19 25:15	<b>propose</b> 101:11
<b>prior</b> 21:5 26:23,25 27:7 29:11	<b>proposed</b> 42:15 44:24
<b>priority</b> 19:6	<b>protecting</b> 70:11
<b>probably</b> 43:7 54:7 61:6 74:7,24	<b>Protection</b> 86:16
<b>problem</b> 52:23 68:17 69:22 99:24 111:9	<b>protections</b> 77:18
<b>problems</b> 11:19 43:14 44:17 45:6 52:16,17 57:8 71:15 78:25	
<b>procedures</b> 21:4	
<b>proceed</b> 46:21	
<b>proceeding</b> 44:15 47:4	
<b>proceedings</b> 7:18 15:2 113:8	
<b>process</b> 19:13 36:3 39:25 40:20 40:25 46:23 51:18,22 52:10	



**prove** 76:13  
**provide** 5:17 14:17 39:20 43:4  
 46:5 56:4 77:20,24 101:12  
**provided** 13:25 29:7 42:24 46:8  
 47:25 53:2  
**provides** 30:12 50:11,17 77:17  
 81:24 82:2  
**providing** 13:23 17:21 20:10  
 30:10 70:10 101:22  
**prudence** 42:16 44:15 51:14 63:5  
 65:7  
**PSEG** 27:20,24,25 28:4,8,16 29:3  
 29:7,12  
**public** 1:3 2:4 4:19 8:9,17,17  
 11:2,24 12:14,14 21:13,23  
 26:14 37:17 43:17 50:7,8,16  
 52:5 55:22 61:4,8,9,10,24,25  
 73:14 81:10,16 108:4,17  
**publicly** 24:2  
**purchase** 87:21  
**purpose** 94:16 97:5,22  
**pursuant** 7:25 8:6,6  
**pursuing** 82:17  
**put** 12:24 18:24 43:5 59:6 92:4  
 103:25  
**putting** 36:23 89:22 90:5

---

**Q**


---

**qualified** 34:9  
**qualifies** 37:13  
**qualify** 37:24  
**quality** 12:18,18 13:18,24 15:24  
 19:9,19 22:7 41:11 103:20  
**quarterly** 14:23 76:13,16  
**question** 37:6 38:23 54:2 58:20  
 59:19 65:3,16,22,23 66:4,19  
 67:18 70:18 73:18 102:23  
 111:3  
**questions** 4:8 13:6 19:24 20:8  
 29:20 30:3 35:23 38:6,8,14  
 42:8 52:7 55:6 62:16 81:2  
 89:10 96:7 103:15  
**quick** 38:23 58:20 70:18 109:9  
**quickly** 7:7  
**quote** 96:13,16,18,19

---

**R**


---

**R.P.M** 31:16,19  
**R.P.M.s** 31:14  
**raise** 76:18,19 107:23

**raised** 93:5 98:15 108:7  
**raising** 108:18  
**ramp** 32:19  
**range** 7:4 55:5,7 87:17,19 88:4  
**rapidly** 104:3  
**rate** 6:13 7:18 13:21 14:14 15:2  
 15:4,6,6,8,19,20 16:2,21 17:5  
 17:15,16,17 18:12,13 19:13,15  
 31:17 32:6 38:8 39:22,25  
 40:25 41:3,4,6 49:3,4 63:10  
 63:12,21 64:3,7,16 92:14,16  
 92:17,20,23,25 100:5 108:2,3  
 108:7  
**ratepayer** 60:22 62:22 101:19  
**ratepayers** 47:22 50:9,14,19  
 51:9 55:21 58:12 59:3 62:19  
 62:25 69:7 70:11 73:12 77:18  
 77:21 87:3 98:12,25 100:18,21  
 106:22 107:7 108:6,18  
**rates** 16:23 63:11,21,24 84:11  
 87:4 108:18  
**rating** 54:24 67:20 68:10  
**ratings** 67:23  
**ratio** 87:2 95:25 97:17 99:14  
**re-evaluation** 8:7  
**reached** 46:11 60:11 70:21 95:2  
**reaching** 64:23 89:8  
**read** 46:20 54:20 63:20  
**reader** 68:3  
**readily** 8:23  
**reading** 45:2,20,22 46:3 47:10  
 48:22 49:25 50:20,23 51:5  
 71:8 74:8 77:24 89:13  
**readings** 22:23 42:25 77:19  
**reads** 44:19 46:16,22 49:12,18  
 76:7  
**ready** 42:10 57:11  
**real** 26:24 75:9 77:5  
**real-world** 108:19  
**realized** 10:9 62:19  
**really** 39:13 40:22 41:2,9,15,19  
 56:23,25 57:12 60:11 61:11  
 72:25 78:5 91:14,21 98:17  
 102:12 103:15,17 106:10,25  
 107:21 109:22  
**reason** 90:24 97:9 100:17 101:10  
**rebuilding** 53:19  
**recap** 111:12  
**receive** 53:23 63:17 87:6 98:22  
 108:4

<p> <b>received</b> 85:8  <b>receiving</b> 52:15 93:15 99:22  <b>reclaim</b> 32:12  <b>reclamation</b> 32:8  <b>recognition</b> 32:3  <b>recognize</b> 79:8 97:4  <b>recommend</b> 69:16 75:20  <b>recommendation</b> 69:23 76:7 79:17  104:11  <b>recommendations</b> 39:17,19,21  42:24 47:24 56:16 67:9 71:2  74:14 78:4 80:10 82:22 88:19  93:14,16,25 105:3 110:15  112:7  <b>recommended</b> 44:14 46:22 47:9  56:23 71:22 72:4  <b>recommends</b> 50:14 96:13  <b>reconvene</b> 80:15  <b>record</b> 12:7 22:23 80:17,18  103:23 106:25 113:7  <b>recorded</b> 22:24  <b>records</b> 11:20,21  <b>recover</b> 48:13  <b>recoverable</b> 50:13  <b>recovered</b> 64:4  <b>recovery</b> 47:22 84:10,11 86:23  97:18 101:18  <b>rectify</b> 63:7  <b>recusals</b> 105:19 109:3,8  <b>recuse</b> 3:5 105:5,9,23 110:18  <b>recused</b> 104:8,25 112:4  <b>recusing</b> 3:20,22  <b>red</b> 22:16 23:13 25:11 26:10  <b>reduce</b> 33:17  <b>reduces</b> 8:14  <b>reducing</b> 15:10  <b>reduction</b> 9:5  <b>reemphasize</b> 60:19  <b>reevaluate</b> 107:24  <b>refer</b> 81:14  <b>refine</b> 41:18 109:16  <b>refinement</b> 71:25  <b>reflect</b> 13:24 31:12  <b>reflected</b> 30:25  <b>reflecting</b> 81:16 109:18  <b>reflects</b> 6:15 108:22  <b>reforms</b> 82:5  <b>regard</b> 56:19 58:20 61:19  <b>regarding</b> 34:16 44:25 50:19  67:9 </p>	<p> <b>regardless</b> 12:9 24:3  <b>regards</b> 22:15  <b>region-specific</b> 86:4  <b>regions</b> 34:19 35:4,13  <b>regressive</b> 95:17  <b>regular</b> 3:4,23,24 50:22 94:6  <b>regulated</b> 27:23  <b>regulation</b> 11:2 19:17 41:7  <b>regulations</b> 4:25 8:2 10:14,17  10:24 11:3 12:2,12  <b>regulatory</b> 44:14  <b>related</b> 7:22 15:15 17:9 44:5  47:17 49:17 64:8 95:14 101:14  <b>relates</b> 42:4 80:22  <b>relating</b> 19:15  <b>relationship</b> 53:20,22  <b>released</b> 44:11 93:14  <b>reliability</b> 13:18 22:2 26:24  29:24 30:11,16 31:13,21 32:5  32:14,15,21 36:7 40:23 74:19  74:20 102:15  <b>reliable</b> 27:7 83:3  <b>rely</b> 95:25  <b>remain</b> 12:10  <b>remaining</b> 14:12 16:12 17:3  <b>remains</b> 13:19 51:15  <b>remediation</b> 12:5  <b>remedied</b> 71:16  <b>remedies</b> 56:8  <b>remedying</b> 47:23  <b>reminded</b> 39:23  <b>remnants</b> 35:11  <b>removal</b> 10:7  <b>remove</b> 12:16  <b>removing</b> 102:19  <b>renewable</b> 82:4 83:4 95:16 99:21  101:3,8,13  <b>repair</b> 7:25 8:5,18,19 26:25  27:8  <b>repairable</b> 9:6  <b>repaired</b> 7:24 9:10 26:20 27:2,8  <b>repairs</b> 22:7 23:5 24:8,24  <b>repeating</b> 38:12  <b>replace</b> 43:9 64:14 83:20  <b>replacement</b> 96:16  <b>replacements</b> 66:22,24 67:5  <b>replacing</b> 99:6  <b>replicable</b> 95:8  <b>report</b> 4:6,14,15,19 12:23,24  13:5,15 19:23 20:5 23:4 24:19 </p>
---	---

29:25 30:12 38:24 39:15,18 44:12,16,24 45:10 46:8 47:6,9 54:11 56:14,15,18 58:16 65:4 71:10 74:9,13 75:19 76:6 79:21 82:2 84:4 88:22 89:2 90:20 93:14 101:16 109:10,11 109:17,21 <b>reported</b> 10:21 14:3 24:17 34:23 46:10,12 113:4 <b>Reporter</b> 113:13 <b>reporting</b> 5:5 72:2 76:13 <b>reports</b> 6:16,18,22 7:9 8:15 12:16 14:24 15:3 20:18 36:2 36:15 38:25 39:16 40:12,22 76:17 <b>repository</b> 57:4 <b>represent</b> 36:23 <b>represents</b> 10:19 25:11,11,12 26:23 84:25 94:17 <b>request</b> 58:21 96:11,12 101:20 <b>require</b> 8:7 85:14 <b>required</b> 8:8 11:8 12:8 14:22 22:11,13,24 24:2,6,11 25:3,23 27:24 45:15 81:25 84:25 109:12 <b>requirement</b> 29:4 86:13 88:21 90:19 94:10 97:11 <b>requirements</b> 10:20 22:5 29:17 83:18 88:20 89:2 <b>requires</b> 7:25 42:23 83:25 87:23 88:10,18 <b>requiring</b> 8:19 <b>Research</b> 81:11 <b>residential</b> 15:7,11,13 83:16 84:10 85:24 86:2,12,19 87:11 88:6,12 <b>residents</b> 99:3 <b>Resilience</b> 30:8 <b>resiliency</b> 31:9 <b>resolution</b> 51:18,22 66:21 <b>resolve</b> 51:12 <b>resolved</b> 46:10 70:20 <b>resolving</b> 42:16 <b>resources</b> 31:3 55:16 <b>respect</b> 74:7 107:19 <b>respective</b> 7:18 10:7,8,16 14:8 <b>respectively</b> 9:16 18:15 85:4 <b>respects</b> 69:13 <b>respond</b> 6:16,22,23 7:8 44:23 51:16	<b>responded</b> 6:18,21 <b>responding</b> 12:15 <b>response</b> 4:21 6:15,19 7:2 45:4 68:18,21,23 74:7 79:20 <b>responses</b> 11:8 <b>responsibility</b> 24:7 91:8 <b>responsible</b> 35:17 <b>restoring</b> 53:20 <b>result</b> 4:16 33:6 59:11 62:14 66:24 69:25 70:9 93:9 <b>resulted</b> 6:12 9:17 17:17 48:15 <b>resulting</b> 18:6,14 47:5 <b>results</b> 4:19,23 16:15 41:17 <b>retail</b> 83:14 84:10 85:22,25 86:12,19 88:11 <b>retraining</b> 12:6 <b>REV</b> 40:20 <b>revealed</b> 21:2 82:8 <b>revenue</b> 7:17 14:15,19 15:9 17:11 31:18,24 40:23 48:4 63:15 64:11,14 83:7 84:20 85:2 95:18 <b>revenues</b> 84:22 85:7,8 <b>review</b> 9:25 11:13 14:18 20:16 44:12 49:4 64:17 76:17 82:20 82:23 89:2 <b>reviewed</b> 33:6 44:7 51:21 79:11 107:14 <b>reviewing</b> 19:9 31:5 43:3 54:10 73:17 106:15 107:11 <b>reviews</b> 30:13 <b>revised</b> 81:17 <b>revising</b> 12:7 <b>revisit</b> 76:21 <b>revitalizing</b> 102:18 <b>RG&amp;E</b> 14:7 16:6,11 17:2 18:11,16 31:20 <b>rhetorical</b> 68:22 <b>Richard</b> 13:6 <b>Rider</b> 42:7 51:25 54:9 75:2 92:10,12,13 <b>right</b> 2:3 32:12 58:2 60:20 65:21 66:22 80:16 <b>rightmost</b> 17:10 <b>rights</b> 83:23 <b>rising</b> 83:6 100:24 <b>risk</b> 10:25 11:3,4,23 18:25 <b>roadmap</b> 80:22 81:13,14,15,17,19 82:2,22 84:19 93:7 97:19,20 98:4 101:11
--	---

<p><b>Robert</b> 12:24  <b>Rochelle</b> 24:12  <b>Rochester</b> 24:13 25:12  <b>Rockland</b> 16:4 31:20 35:7  <b>role</b> 57:15 83:3  <b>roll</b> 2:10  <b>rolled</b> 54:3  <b>rollout</b> 52:14  <b>room</b> 61:23 78:18 79:15  <b>root</b> 50:23 53:3  <b>RORY</b> 1:12  <b>Rossi</b> 52:3 60:14  <b>roughly</b> 23:8  <b>routine</b> 32:9  <b>row</b> 106:5  <b>Rules</b> 8:2  <b>run</b> 102:20  <b>rural</b> 99:2</p> <hr/> <p style="text-align: center;"><b>S</b></p> <p><b>S</b> 1:13,16  <b>S.A.P</b> 43:11  <b>safe</b> 23:5 24:6,23 27:6 53:14  <b>safeguard</b> 21:13,23  <b>safety</b> 4:5,12,13,20,25 8:9,12  10:13,17,24 12:2,12,22 13:17  20:5,11,15,19 21:15,19,23,25  22:3 23:25 25:22 26:14,17,24  27:5,21 28:2,25 29:4,9,14,18  36:7 88:18,19 93:5,10  <b>sake</b> 108:8  <b>satisfaction</b> 14:11 15:5,20 16:9  16:13,15,16,18 17:16,24 18:5  18:12  <b>satisfied</b> 96:4 108:21  <b>satisfy</b> 86:15  <b>saved</b> 58:19  <b>saw</b> 23:16 27:10 54:16  <b>says</b> 93:15  <b>scale</b> 16:17  <b>scales</b> 17:14  <b>scanned</b> 25:6  <b>scope</b> 32:18  <b>scorecard</b> 75:20  <b>scorecards</b> 75:25  <b>scored</b> 16:16  <b>Scott</b> 80:25  <b>screen</b> 60:20  <b>sealed</b> 21:5  <b>season</b> 8:21</p>	<p><b>second</b> 6:15 13:3 34:24 48:3  75:18 106:14  <b>Secondly</b> 95:21  <b>seconds</b> 34:6  <b>Secretary</b> 2:5,7 13:10,13 66:2,5  66:11,15 105:10,15 110:23  111:6 112:8,10  <b>section</b> 4:12 23:12,13 26:10,11  26:12  <b>sections</b> 71:9  <b>sector</b> 84:14,15,16 85:22,24  95:11  <b>Security</b> 30:8  <b>see</b> 16:3,10,25 17:10 25:20 36:9  36:10 39:4 41:8,20 54:22  58:17 74:22 75:25 92:6,6 94:9  102:12,13 103:10 104:4,5  107:7,21 109:23  <b>seeing</b> 36:8  <b>seek</b> 47:22 60:22  <b>seeking</b> 21:11  <b>seen</b> 9:11 10:3 25:16 34:14  73:14,15 103:17 106:20  <b>selected</b> 24:14  <b>self-dealing</b> 65:8  <b>self-sustaining</b> 86:11  <b>Senator</b> 61:5  <b>senators</b> 106:2  <b>sending</b> 48:12  <b>sense</b> 46:19 72:25  <b>separate</b> 34:9 47:3 50:4 65:23  <b>September</b> 34:25 43:8,12 52:14  <b>sequence</b> 48:18  <b>series</b> 96:7  <b>serious</b> 26:15  <b>served</b> 109:20 110:6  <b>serves</b> 33:3  <b>service</b> 1:3 2:5 4:19 11:12 13:5  13:16,19,20,24 14:24 15:3,11  15:15,23 17:9 18:20,21 19:6,9  19:16,17,19,22 20:23 21:2,7  24:18 25:2 34:16,21 35:6  37:17 38:24 39:3,15 41:7  43:17 46:3 50:7,24 52:5 56:5  61:4,8,10,10,24 68:25 70:10  73:14 81:10  <b>services</b> 18:10 43:18 51:19 52:2  57:9 74:18  <b>serving</b> 61:25 87:25  <b>session</b> 2:4 44:11,21 45:24</p>
---	--

72:16  
**set** 45:9 51:4 63:11,22  
**setting** 55:10 96:2  
**settled** 68:7  
**settlement** 42:16,20 43:4 50:11  
 50:15,17 51:5,12,13 55:21  
 56:10,14,17 58:15 60:10,23  
 62:18 64:24 68:17,18 70:8  
 72:17 73:3,21 77:10,11 78:13  
 78:24 79:12,18  
**settlements** 73:15  
**seven** 34:10 37:15  
**severe** 37:11  
**severely** 34:18  
**shapes** 108:17  
**share** 70:15 87:2 95:25 97:17  
 99:14 109:9  
**shareholder** 13:22 18:24 60:21  
 62:22  
**shareholders** 13:24 48:17 50:13  
 51:8 62:19 63:19 68:2 70:15  
 77:16  
**Sheehan** 1:17 2:25 3:2,18,19  
 40:9,10 42:14 46:23 61:8 73:7  
 73:8 77:8 80:7,8,25 104:8,25  
 109:6,7 112:2,3  
**shift** 42:25 45:21 46:2 47:10  
 48:21 49:12 50:19 74:8  
**shifting** 44:25  
**short** 4:18 16:7 48:15 56:11  
 65:2,21 67:21 80:14 82:14  
 85:3  
**shorter** 34:2  
**shortly** 47:3 52:14  
**show** 23:13 26:10,11,12 44:22  
 45:5,10  
**showed** 5:19 6:2,7 7:14 11:14,17  
**showing** 33:22  
**shown** 101:5  
**shows** 10:2 16:14 23:10,12 26:7  
 32:23 33:20 109:21  
**shunt** 21:2  
**sibling** 78:20  
**sign** 61:23 78:19,20 79:15  
**signal** 22:20  
**signals** 24:21  
**significant** 18:24 19:8 29:10  
 60:10,10 76:18  
**similar** 64:11 86:5  
**simple** 89:23  
**simply** 48:11 68:22  
**sincere** 51:23  
**single** 64:16 90:16  
**Sipos** 42:7,11 54:7 56:11 58:23  
 59:8,12 62:6,21 65:2,6,10  
 67:2,8,14 71:7 73:5 74:6  
 78:15 80:12  
**site** 14:5  
**situation** 43:21 61:18,19  
**six-year** 32:9,18  
**sixth** 80:21  
**size** 84:17  
**skeptical** 95:13  
**skepticism** 61:2  
**skew** 33:4  
**sky** 103:17  
**slash** 24:21  
**slide** 5:7 6:14 7:20 9:24 10:10  
 12:12 14:6 15:18,25 16:7,8,14  
 16:14,20,20 17:8,8 19:21  
 20:14,21 21:14 22:10 24:9  
 25:21 27:20 29:15 30:14 32:23  
 33:20 34:8 35:21 43:6 45:2  
 47:2,14 51:10 59:21,23 63:5,5  
 70:19  
**slides** 59:21  
**slight** 23:17 67:23 68:8  
**slightly** 7:2  
**slow** 32:19  
**small** 16:21 18:4  
**societal** 82:17 96:24  
**society** 61:2  
**software** 56:19,24 57:5,6 67:10  
 67:10,10,12 71:3,10,19,19,20  
 71:20,23 72:18  
**soil** 8:23  
**solar** 106:17,22  
**solicitation** 85:20  
**solicitations** 85:10  
**solid** 78:12  
**solution** 91:25  
**solutions** 104:4  
**soon** 26:20 43:23 63:13  
**sooner** 8:9  
**sorry** 39:15 66:5,18 67:7 76:10  
 105:10  
**sort** 39:4,19 41:14 62:25 69:2  
 74:23 103:25  
**sound** 42:12  
**Southern** 35:3

**speak** 54:4,8 55:4 103:6  
**specific** 4:20 15:22 38:6 76:22  
 84:13 92:9,23 95:4  
**specifically** 56:19 75:13 111:4  
**specification** 32:13  
**specified** 21:4  
**Speicher** 4:7  
**spending** 96:4,19 97:7,8,10,14  
 97:15,24 98:16 107:11  
**spent** 61:7 63:6 97:12  
**spill** 98:20  
**spoken** 55:14  
**St** 14:10 16:10 17:23  
**stability** 77:20  
**stabilizing** 58:14  
**stable** 23:7 46:11 70:22 71:15  
**staff** 5:5 10:11,12,14,19,23  
 11:2,5,11 12:19 13:14 14:2,6  
 14:24 19:8,13,18,23 27:24  
 29:6 30:15,18 32:16,21 41:5  
 41:10,24 43:4,20 44:7,7 46:8  
 50:14,22 52:6 54:11 70:8 75:6  
 75:24 76:16 81:10 90:8 109:15  
 110:11  
**staff's** 4:23 10:22 11:8 19:3  
 20:25 30:12  
**staff's** 110:8  
**stakeholder** 88:14 103:8  
**stakeholders** 107:17  
**stand** 57:11 107:9  
**stand-in** 98:2  
**standard** 21:20 28:25 69:11  
 72:23 86:4  
**standardization** 71:22,25 72:6  
**standards** 14:13 18:23 20:5,11  
 20:16,19 21:15,16,23 22:3  
 23:25 25:22 26:6 27:22 28:3  
 29:4,10,14,18 57:2 72:7  
**standby** 92:14,17,19,25  
**start** 20:14 41:15  
**started** 52:15  
**Starting** 82:23  
**stat** 31:12  
**state** 1:2 5:4 13:15 18:23 19:21  
 25:9 34:8 35:2 37:10 41:12  
 46:11 70:22 81:10,11 83:2  
 86:22 89:8 93:9 95:24 97:2,25  
 98:8 99:21 109:20,21 110:3,6  
 113:2  
**State's** 33:3

**stated** 18:19 43:22 46:16 52:11  
 113:5  
**Statewide** 30:10 32:25 33:8,21  
 33:24 34:3,3,7 83:24 86:25  
 88:2 98:5 104:11  
**statistically** 10:14  
**statistics** 31:12 33:5  
**statute** 61:17,20  
**stay** 112:13  
**step** 53:25 56:23 76:8 89:20  
 90:5 94:17  
**Stephanie** 81:2  
**steps** 12:8 76:12 108:12,12  
**stop** 99:10  
**storage** 80:22 81:7,8,13,14,19  
 81:20 82:3,7,10,15,18,21,25  
 83:2,10,12,14,15,20,22 84:2  
 84:16,18 85:4,5,11,20,22,24  
 85:25 86:2,6,9,10 87:21 88:23  
 90:21 91:4,13,15,19 95:10  
 97:19,19 99:4,12 101:11  
 102:24 103:2 104:12  
**storm** 34:17,24 35:10,11,13,19  
 37:14,16,18,18  
**storms** 31:6 33:7,15,22 34:10,11  
 34:16 35:16 37:10,11  
**strategic** 46:14 66:22,23 67:3  
 71:2  
**strategically** 70:23  
**strategies** 19:15 41:6  
**stray** 21:13,17,24 22:6 23:11,15  
 23:22 24:9 25:3,7,9 28:5,10  
 28:15,21,23,25  
**street** 22:11 23:21,24 24:3,4,8  
 24:21 86:7  
**streetlights** 23:19  
**strides** 76:14  
**strike** 84:25 85:6  
**strikes** 84:20  
**stripped** 64:7  
**strong** 41:5  
**stronger** 19:14  
**struck** 40:17 89:14  
**structure** 86:5  
**structures** 25:6 102:13  
**study** 84:2 105:24 106:4  
**subject** 21:11 27:21 31:18 45:16  
 56:13  
**submitted** 14:6 20:17 30:17  
**subscribed** 113:10

**subsidizing** 98:13, 23  
**substantial** 50:18  
**substantially** 5:3  
**success** 55:25  
**successful** 54:5 89:6  
**suggest** 80:14 101:15  
**suggested** 71:3  
**sum** 85:6  
**summarize** 14:19 84:14  
**summarized** 47:16 50:12  
**summarizes** 13:15 17:8  
**summarizing** 108:9  
**summary** 13:2 29:15 30:10 43:5  
 47:15  
**summer** 103:18  
**Supervisor** 4:11  
**supply** 84:12  
**support** 72:5 95:6 100:15  
**supported** 63:23  
**supporting** 59:14 108:15  
**surcharge** 100:5  
**surcharges** 95:18 100:13  
**sure** 37:8, 17 57:25 63:2, 13, 18  
 64:5, 18 66:6 71:21 73:10 74:6  
 76:3, 23 77:5 91:10 103:2  
**surprisingly** 91:3  
**survey** 8:8 15:20 16:12 17:16, 25  
 18:5, 12  
**survey-based** 15:4  
**surveys** 16:16, 19 24:11  
**suspect** 90:25  
**sympathized** 61:16  
**system** 4:11 5:19 8:13 10:8  
 17:23 22:11 27:22 28:7 30:21  
 32:9, 12, 15 36:6 42:6, 19 43:9  
 43:10, 11, 11, 13, 15 44:5, 13  
 45:6 46:4, 10 47:12, 23 49:14  
 50:18 63:7 71:15 74:19, 20, 22  
 79:7 82:4 91:17  
**systemic** 62:12 69:21  
**systems** 33:2 86:10

---

**T**


---

**T&D** 91:15 92:2  
**T's** 61:21  
**take** 30:24 39:19 56:7, 12 80:14  
 80:14 89:10 97:15 108:14  
 109:14  
**taken** 4:15 9:22 51:3 52:10 53:6  
 99:18

**takes** 97:10 108:12  
**talk** 63:4 71:4 73:23 74:2  
 102:24 103:19  
**talked** 71:4  
**talking** 56:21 78:19  
**Tammy** 20:7  
**target** 16:12 17:3, 4, 25 18:5  
 29:3 31:22 81:23 82:7, 11  
 83:10, 23 85:19, 25 89:20 96:15  
**targets** 13:20 14:8, 12 16:2, 4, 7  
 16:9, 13, 15, 18, 21 18:14 19:10  
 31:15, 16, 19, 21 97:21  
**task** 89:23 93:10  
**tasks** 83:11  
**team** 69:24 70:7 71:24 89:22  
**teams** 36:23  
**technology** 7:7 95:6  
**telegraph** 69:2  
**temperatures** 95:2  
**temporary** 22:6  
**term** 76:20 85:2  
**terminations** 15:11, 15  
**terminology** 96:19  
**terms** 37:4 40:22 45:23 76:24  
 77:4 79:18 95:4  
**territories** 11:12 25:2 34:21  
 46:4  
**Territory** 24:18  
**test** 22:11, 13 23:16 24:2 28:6  
 46:4 55:15 76:22  
**testament** 89:16  
**tested** 22:22 23:9 28:8  
**testimony** 39:25  
**testing** 21:17 22:6, 15 23:11  
 24:10 25:3, 10 28:5, 21, 25 29:8  
 56:20 72:5, 7  
**testings** 23:7  
**thank** 2:9 3:3, 8, 11, 14, 17, 21  
 12:20, 23, 25 13:8, 13 19:24, 25  
 20:9 29:19, 21 35:21, 24 36:13  
 36:14, 19, 21, 22 37:23, 25 38:2  
 38:4, 11, 13, 15, 17 39:12 40:6, 6  
 40:8, 10 41:21, 23, 24, 24 52:7, 8  
 55:3, 11, 23 58:2, 3, 5 59:11, 12  
 59:15, 17 60:4 62:4, 6, 7, 9, 10  
 62:11 64:22 66:16 67:17 68:12  
 68:13 69:24 70:2, 3, 5 72:25  
 73:4, 5, 6, 8, 9 77:8, 9 78:13, 15  
 78:16 79:22 80:9, 11, 12, 16  
 89:12, 21 90:6, 8, 9, 11 93:3

94:11,11,13,15 101:24 102:7,8  
 102:10 104:5,7,15,21,24,25  
 105:3,15,17,20 108:24,25  
 109:5 110:12,13,19 111:2,6,10  
 111:11,16,21,25 112:6,8,11,13  
**thanking** 70:7  
**thanks** 39:23 40:11 51:23  
**theConsumer** 58:24  
**theoretically** 101:7  
**thermal** 60:9  
**thing** 39:14 40:17 41:13 53:8  
 75:3,3,18 109:25  
**things** 36:5 42:23 44:16 52:11  
 58:16 68:6 73:20 75:2 76:23  
 77:11 81:18 82:9  
**think** 37:4 40:14,22 41:8 46:23  
 52:10 53:13,25 54:7 55:12,20  
 57:9 58:11 59:25 60:2,23 61:3  
 63:4 66:17,21 67:3 68:18  
 70:19 71:11 72:13 74:6,24  
 75:14,15,18 89:13 91:10,14  
 93:5 94:8 98:6 100:22 103:23  
 103:23 106:6,7,7,9 107:2  
 108:8,16 109:19  
**thinking** 52:9 55:13 74:17,17  
**third** 7:20 20:3 35:10 45:17  
 47:25 48:8 78:3 106:5  
**third-party** 5:16 6:3  
**thorough** 14:2 38:5,18 44:8  
 62:13  
**thoroughness** 38:11  
**threat** 26:15,24  
**three** 5:16 6:19 8:4,7,11 11:5  
 11:16 18:6 25:2 26:13 27:4,9  
 28:14 34:2,5,23 35:16 39:4  
 63:22 85:10 93:8 95:3 105:24  
 106:2 109:8  
**threshold** 22:18  
**thunderstorms** 34:25  
**Thursday** 1:6  
**tickets** 5:22 6:8,9  
**Tier** 35:3 96:23 99:9,13  
**time** 6:19 20:2 23:3 24:19 26:18  
 43:23 45:20 47:9 48:6 52:9  
 60:7 73:11,15 75:9 80:15  
 92:25 107:11,14,18 108:8  
 113:4  
**timeframe** 8:21  
**timeframes** 8:5  
**timeliness** 49:13  
**timely** 17:22 49:15 56:8  
**times** 7:11 54:23  
**timing** 11:7  
**Title** 8:2  
**today** 3:25 4:6 20:3,10 29:23,25  
 30:9,23 31:12 36:18 37:8,24  
 38:10 41:8 42:2,21 55:24 61:2  
 62:2,14 76:5 80:21,23 86:7  
 95:2 112:9,11  
**today's** 72:16 105:6 107:15  
**toolbox** 91:18,19,20  
**tools** 57:24 91:20  
**topic** 76:3,22  
**topics** 76:15  
**total** 6:10,13 8:14 9:3,7,9,17  
 9:18,21,22,24,25 10:3 14:15  
 23:6,15 25:8 27:12 28:8,15  
 35:5 49:24 85:15,21 86:20  
 87:20  
**touch** 74:16  
**touched** 51:7  
**traceability** 56:20 57:3 67:11  
**track** 14:24 36:6  
**tracked** 35:12  
**tracking** 22:6 67:10  
**tracts** 86:15  
**traditional** 19:16 41:7  
**traffic** 24:21  
**tragic** 20:25  
**train** 55:17  
**transcription** 113:6  
**transformer** 91:17  
**transition** 11:20 49:2,17,19,22  
 53:24 83:3 95:16 100:16,21  
 107:4,9  
**transmission** 21:10 22:14 25:25  
 84:3 96:23 102:25  
**transparency** 49:13  
**treatment** 19:20 41:12  
**tree** 31:24 32:8 33:16  
**trend** 10:2 25:21  
**trends** 14:25 30:20  
**triennial** 81:25 82:20,23 89:2  
**trimming** 32:9  
**trouble** 58:19  
**true** 113:7  
**trust** 53:20,22 57:19  
**try** 63:3 69:11 112:13  
**trying** 60:3  
**turn** 3:4



**turned** 45:17  
**Turning** 47:16  
**tweak** 72:10  
**two** 5:15,19 6:2 8:3,3 11:5 23:2  
 24:11 26:11,22 28:14,15 49:5  
 75:2 77:17 79:3 87:7 90:16  
 95:14  
**Type** 8:3,4,7,11  
**typewritten** 113:6  
**typical** 87:9 88:3 92:2  
**typically** 15:21 55:5

---

**U**


---

**Uchenna** 1:16 2:21  
**ultimately** 24:6 52:20,21 78:22  
 91:9  
**un-reclaimed** 32:14  
**unavoidable** 107:5  
**uncollectable** 15:11  
**under-** 18:16  
**underground** 5:14 22:9,11 28:22  
**underlying** 47:8  
**underscore** 60:2 94:25  
**understanding** 74:15 93:21,24  
**understands** 100:23  
**undertaking** 58:10  
**undertook** 65:17  
**unevenly** 98:10  
**unfortunate** 53:15  
**uniformity** 72:8  
**unit** 60:9  
**units** 25:10  
**universal** 91:3 95:21 97:20 98:5  
 98:22 99:19 100:4  
**universality** 99:16,17  
**universe** 99:15  
**unlock** 102:14  
**upcoming** 49:3  
**updated** 81:7,16 93:15,25 104:11  
**upfront** 86:3  
**upstate** 9:20,23 24:14  
**upwards** 50:2  
**urgency** 94:25  
**urgent** 95:16 100:14  
**urgently** 99:25  
**urges** 29:11  
**usage** 44:18  
**use** 7:7 38:7 50:8 59:3 64:13  
 84:3 86:3 88:23 90:21 91:23  
 91:24 97:17 101:11

**uses** 17:4 30:18  
**usual** 58:6  
**usually** 32:25 39:25  
**utilities** 13:16 14:3,12,20,22  
 15:22,25 16:8,13,22 17:3,14  
 18:22 19:5,7,10 20:12,17 21:9  
 22:10,12 24:2 25:22 26:5  
 27:12 29:16 30:14,17,23 31:17  
 33:13,18 34:4 39:19,21 53:10  
 70:9 74:21 75:9 83:25 86:25  
 87:7 88:22 90:20 91:14 93:2  
 106:20  
**utility** 4:11 13:4,19,21 14:4,18  
 15:8,9,16,22 19:19,20 21:20  
 24:5,5 25:2 30:8 31:3,8 41:10  
 41:12 53:8,10,15,16 57:15,20  
 75:4,11,20,23 83:22 87:13,15  
 88:7,9 91:13,22 92:21 95:18  
 100:5,13 101:19  
**utility's** 17:15 25:6,25 31:7  
**utility-owned** 84:2 88:23 90:21  
 91:4  
**utility's** 67:20  
**utilize** 87:5

---

**V**


---

**vacuum** 100:12  
**Valesky** 1:14 2:16,17 3:9,10  
 36:20,21 37:22 42:13 59:16,17  
 68:24 73:13 79:23,24 90:10,11  
 92:7 93:3,23 94:4,8 103:24  
 104:16,17 105:17,18 110:20,21  
 111:13,14  
**Valley** 34:19 35:3  
**value** 17:13 38:9 42:21,22 47:19  
 47:20 49:5,11,25 50:19 96:24  
 96:25 97:6 99:8  
**valued** 77:14  
**valuing** 103:2  
**variation** 92:13  
**varies** 10:21 17:13  
**various** 35:25 36:5 47:17 52:22  
 55:14 89:24  
**varying** 10:25  
**vast** 48:23 97:14  
**vegetation** 32:4,7,20  
**vent** 8:23  
**verbalizing** 68:16  
**verification** 14:5  
**verify** 4:24

**vicious** 103:25  
**view** 38:25  
**viewed** 33:10  
**viewpoint** 34:15  
**violations** 45:9  
**visibility** 74:11  
**visits** 14:5  
**visual** 21:17 25:23  
**vital** 13:19  
**volatility** 54:14,17,24  
**volt** 22:17,24 23:7,17 24:16  
**voltage** 21:13,17,24 22:6,17,18  
 22:21,23 23:6,7,11,15,22  
 24:10,16,25 25:3,7,9,15 28:5  
 28:10,15,21,24,25  
**voltages** 22:21  
**voltmeter** 22:22  
**volts** 23:13,14  
**volume** 66:8  
**volumes** 7:11  
**vote** 41:25 78:17 79:17,17,19,21  
 104:10,10,13 110:14,14,16  
**voted** 99:14  
**voting** 3:5 37:2 38:8 41:25 42:2  
 94:25 105:6

---

**W**


---

**want** 12:23 36:22 38:10 40:11  
 41:2,18,20 55:23 59:18 62:17  
 68:13,25 69:9 70:24,25 71:21  
 78:17,22 90:16 91:11 102:13  
 102:17 103:3 104:4,5,9 107:23  
 108:10 109:23 110:23  
**wanted** 58:25 74:4 79:14 103:4  
 109:9,14 110:7,12  
**warning** 103:20  
**wasn't** 59:5 60:15 107:13  
**watch** 57:12  
**watching** 57:25 61:23 74:10  
**Water** 13:16  
**way** 32:13 51:21 53:3,10 55:9  
 59:10 64:19 72:23 75:8 79:4  
 91:16  
**ways** 52:18 63:18  
**we'll** 3:22,24,25 20:2 29:22  
 39:18 41:8,25 63:13,18 71:4  
 74:11 75:4,12,15 76:17 79:16  
 80:16 92:4,5,6 105:4 110:13  
**we're** 13:2 46:5 59:24 60:6,7  
 62:2 79:5 95:13 97:3,9 99:25

103:2,14  
**we've** 51:7 53:6 55:13,19 68:15  
 68:16 79:4 103:16  
**weather** 30:22 37:19 103:19  
**week** 26:21  
**Welcome** 80:20  
**well-executed** 32:4  
**went** 5:21,24 6:4,5 43:23 107:12  
**whatsoever** 108:4  
**WHEREOF** 113:9  
**whichever** 8:9  
**White** 24:12  
**wide** 31:15 32:9  
**widespread** 100:20  
**willingness** 101:5  
**winds** 34:25  
**winter** 35:11  
**Wisely** 30:3 37:8  
**wish** 3:5 60:14 105:5  
**WITNESS** 113:9  
**wizard** 75:7  
**wondering** 38:21 39:3,14,17  
**work** 12:16,23 36:16 37:4 40:13  
 55:24 56:2 58:3,6,8 59:14  
 61:14 62:5 68:14 69:9,10,12  
 70:8 73:2 80:11 83:7 89:16,21  
 89:21 90:5 93:20 94:12,20  
 102:11 103:9 104:6 106:10  
 109:15 110:8,9  
**worked** 62:11 69:25 78:14  
**workforce** 31:2,2  
**working** 36:11 55:2 76:11 88:20  
 90:3 93:10 103:3,10,14  
**works** 74:21  
**world** 72:19  
**worries** 105:16  
**worth** 68:24 107:2  
**written** 30:12  
**wrong** 67:17 75:14

---

**X**


---



---

**Y**


---

**yeah** 55:4 65:5,9,9 66:4 67:2  
 72:24  
**year** 4:22 5:2,4 8:19 9:4 10:14  
 10:21,21 11:6,9,10 13:17 14:3  
 14:9,16,20 15:12 16:5 17:4,10  
 19:23 20:18,19 21:5 24:13  
 25:24 26:3 27:2 30:15 31:13

31:23 33:9 36:9,10 43:2 48:7	<b>1,049</b> 9:9
49:3 64:3,7 88:16 92:18	<b>1,156,120</b> 23:8
103:23 106:5	<b>1,176</b> 9:5
<b>year's</b> 29:11	<b>1,326</b> 6:11
<b>year-end</b> 9:3,6	<b>1,359</b> 6:10
<b>years</b> 9:3,14 10:2 11:6 23:12	<b>1,621,580</b> 25:6
25:10 26:2,9 27:9 28:17 30:24	<b>1.1</b> 87:12 88:6
32:24 33:21 34:15 36:12 39:2	<b>1.2</b> 18:7 33:25
39:2,4,24 40:21,21 61:4,5,9	<b>1.3</b> 87:19
63:22 73:14 79:3 85:3 94:23	<b>1.5</b> 83:14 85:25 87:14 88:8
106:2	<b>1.7</b> 6:13
<b>Yonkers</b> 24:12	<b>1.73</b> 6:14
<b>York</b> 1:2,9 8:2 9:12,23 13:15	<b>1:15</b> 1:7 112:15
18:23 20:24 24:11 29:16 35:2	<b>10</b> 9:25 28:7,20 37:19 40:20,21
35:12 74:22 81:9,11 82:17	<b>10-year</b> 25:20
83:2,20 84:5 85:16 86:22	<b>10:37</b> 1:7 2:2
94:18 95:9,12,22 97:20 98:4	<b>100</b> 25:24 83:3 95:3
99:3,5,20,21 103:3 113:2	<b>100,000</b> 16:24
<b>York's</b> 4:17 9:15 30:11 81:12,18	<b>1000</b> 5:22 69:5
82:20	<b>101</b> 4:4
<b>Yorkers</b> 73:3	<b>11</b> 4:17 11:11 45:14
<hr/> <b>Z</b> <hr/>	
<b>zero</b> 17:7	<b>11.4</b> 18:14
<b>zones</b> 85:15	<b>12</b> 24:10 82:10
<hr/> <b>0</b> <hr/>	
<b>0.02</b> 23:8	<b>12:20</b> 80:15
<b>0.06</b> 5:25	<b>12:21</b> 80:17
<b>0.07</b> 5:24	<b>12:30</b> 80:16
<b>0.34</b> 6:6	<b>12:34</b> 80:18
<b>0.36</b> 6:6	<b>120</b> 88:13,23 90:21
<b>0.39</b> 5:22	<b>13</b> 28:13 33:14
<b>0.4</b> 5:21 7:3	<b>131,000</b> 28:19
<b>0.55</b> 25:5	<b>137</b> 113:7
<b>0.58</b> 33:8	<b>14</b> 9:7
<b>0.6</b> 87:12,14 88:6,8	<b>14.3</b> 5:25
<b>0.89</b> 6:4	<b>143</b> 9:10
<b>0.9</b> 9:10	<b>15</b> 17:25 28:20 47:4 85:3
<b>0.92</b> 6:4	<b>150</b> 28:14 89:13
<b>0082</b> 105:13 111:5	<b>15th</b> 81:15
<b>0130</b> 80:22	<b>16</b> 8:2 20:21
<b>0140</b> 29:24	<b>161</b> 105:14
<b>0145</b> 4:5	<b>161A</b> 110:18,24 111:3,4
<b>04-M-0159</b> 21:16	<b>162,000</b> 35:5
<hr/> <b>1</b> <hr/>	
<b>1</b> 23:16 30:7 87:11 88:5 113:5,7	<b>17</b> 9:15
<b>1,000</b> 6:8	<b>17.5</b> 9:4
<b>1,042</b> 28:10,13	<b>178</b> 23:6,23
	<b>18-E-</b> 80:21
	<b>18-E-0130</b> 81:6
	<b>187</b> 24:17
	<b>1990s</b> 4:17
	<b>19th</b> 1:8 20:18
	<b>1st</b> 43:12 46:7

<b>2</b>			
<b>25:22</b>	49:23 55:20 56:9 77:25	<b>23</b>	14:16
	82:14,16	<b>230,000</b>	34:22
<b>2-and-a-half</b>	5:23	<b>24</b>	37:21
<b>2.22</b>	49:6	<b>24-E-</b>	29:23
<b>2.7</b>	28:11	<b>24-E-0238</b>	20:4
<b>2.9</b>	87:20	<b>24-G-</b>	4:4 105:12 111:4
<b>20</b>	1:6 25:23 28:23 85:18 90:18	<b>24-G-0082</b>	105:9 110:24
<b>200</b>	83:15 86:2	<b>24-G-0145</b>	4:13
<b>2004</b>	20:22 21:8	<b>24-M-0057</b>	13:4
<b>2005</b>	21:16	<b>24th</b>	113:10
<b>201</b>	3:5 42:3	<b>25</b>	61:4 85:3
<b>2014</b>	10:2	<b>255</b>	8:2,7
<b>2016</b>	34:17	<b>261</b>	109:8 112:5
<b>2019</b>	7:14	<b>263</b>	105:24 106:10 109:10
<b>202</b>	13:3,14	<b>27</b>	31:12 34:9 37:14 45:13
<b>2020</b>	28:6 107:12,13	<b>28</b>	17:18
<b>2021</b>	43:8,12 48:5 50:25 52:14	<b>28th</b>	81:9
	109:13	<b>3</b>	
<b>2022</b>	5:2,22,25 6:4,6,10,14 7:3	<b>31:8</b>	70:19 83:13 84:18 85:12
	9:17 11:9,11,14 25:4 27:14,17	<b>3-gigawatt</b>	81:23 85:21
	34:2,6,10,13 37:15 43:19,25	<b>3.4</b>	6:5
	44:2,10,21 51:2 65:3 81:9	<b>3.5</b>	31:24
<b>2023</b>	4:5,13,22 5:22,25 6:4,6,11	<b>3.8</b>	17:18
	6:14,25 7:14 9:17,18 10:2	<b>30</b>	6:22 21:8 49:2 73:13 85:16
	11:10 12:22 13:4,17 14:3,9,16	<b>301</b>	20:4 29:23
	14:21 16:5 17:4,8,10 19:8,11	<b>302</b>	3:5,20,22 80:21 81:5
	19:23 20:4,12,18 23:9,15,23	<b>31</b>	27:13 35:17
	24:25 26:3 27:10,17,24 28:9	<b>31,755</b>	6:9
	29:18,24 30:11 31:21 32:5,16	<b>31.8</b>	9:7
	34:5,10,11,14,17 35:20 37:15	<b>31st</b>	43:2 45:22 48:24
	45:3,14,24 47:5 48:6 50:21	<b>34</b>	34:11 90:13
	51:2	<b>35</b>	63:6 85:14 86:13 96:3,14,17
<b>2024</b>	1:6 28:19 29:5,8 32:22		96:18 97:11
	45:22 46:7 47:4 48:24 49:2,22	<b>35.31</b>	48:2
	50:21 70:19 81:15 87:4 113:10	<b>350</b>	83:24
<b>2024/2025</b>	49:3	<b>36</b>	34:6
<b>2025</b>	29:14	<b>37,000</b>	35:8
<b>2028</b>	87:19,22	<b>371</b>	109:8 112:5
<b>2030</b>	82:12 83:11,13 87:10 88:4	<b>378</b>	106:11 109:8 111:19 112:5
<b>2032</b>	87:4	<b>38,000</b>	28:9
<b>2040</b>	82:10	<b>39,000</b>	18:2
<b>2044</b>	87:19,22	<b>4</b>	
<b>21</b>	5:4 33:12 92:8	<b>4</b>	48:20 50:7 64:10 67:25 77:21
<b>21-M-0541</b>	47:7		82:14 96:23 99:9,13
<b>211</b>	87:10,10	<b>4.2</b>	49:6
<b>22</b>	87:13 88:7 93:4	<b>4.4</b>	23:13
<b>22-M-0645</b>	42:3	<b>4.4-volt</b>	23:16
<b>227</b>	88:4	<b>4.5</b>	22:17 23:14,17

<p><b>4.7</b> 83:12  <b>44</b> 35:18  <b>45</b> 6:23  <b>45,000</b> 28:22  <b>461</b> 108:2</p> <hr/> <p style="text-align: center;"><b>5</b></p> <hr/> <p><b>5</b> 44:2 50:3 63:5 84:16 85:23  <b>5.9</b> 6:6  <b>50,000</b> 24:15  <b>500,000</b> 49:20 77:25  <b>53</b> 34:5  <b>55</b> 33:25  <b>56</b> 34:12  <b>59,000</b> 27:14</p> <hr/> <p style="text-align: center;"><b>6</b></p> <hr/> <p><b>6</b> 48:20 81:12 82:11 83:11  <b>6.3</b> 49:7,8  <b>6.32</b> 49:5,6  <b>6/20/2024</b> 1:1 2:1 3:1 4:1 5:1  6:1 7:1 8:1 9:1 10:1 11:1  12:1 13:1 14:1 15:1 16:1 17:1  18:1 19:1 20:1 21:1 22:1 23:1  24:1 25:1 26:1 27:1 28:1 29:1  30:1 31:1 32:1 33:1 34:1 35:1  36:1 37:1 38:1 39:1 40:1 41:1  42:1 43:1 44:1 45:1 46:1 47:1  48:1 49:1 50:1 51:1 52:1 53:1  54:1 55:1 56:1 57:1 58:1 59:1  60:1 61:1 62:1 63:1 64:1 65:1  66:1 67:1 68:1 69:1 70:1 71:1  72:1 73:1 74:1 75:1 76:1 77:1  78:1 79:1 80:1 81:1 82:1 83:1  84:1 85:1 86:1 87:1 88:1 89:1  90:1 91:1 92:1 93:1 94:1 95:1  96:1 97:1 98:1 99:1 100:1  101:1 102:1 103:1 104:1 105:1  106:1 107:1 108:1 109:1 110:1  111:1 112:1 113:1  <b>60</b> 6:24 44:11 88:12 92:9  <b>600</b> 85:21  <b>62</b> 42:21 55:19 60:3 62:18 77:14  <b>62,000</b> 28:22  <b>62.59</b> 47:20  <b>64</b> 42:22 47:19 62:18 77:15  <b>64.54</b> 47:19  <b>64.59</b> 60:3  <b>665</b> 28:14</p>	<hr/> <p style="text-align: center;"><b>7</b></p> <hr/> <p><b>7</b> 48:20  <b>7.1</b> 18:15  <b>7.9</b> 9:8  <b>735,243</b> 27:17  <b>75</b> 6:21  <b>77,000</b> 27:12</p> <hr/> <p style="text-align: center;"><b>8</b></p> <hr/> <p><b>8</b> 85:20  <b>8-</b> 82:14  <b>8-hour</b> 82:15  <b>8,405</b> 25:4  <b>8,925</b> 24:25  <b>8.21</b> 48:9  <b>8.32</b> 50:2  <b>8.7</b> 9:16  <b>8.75</b> 48:4  <b>80</b> 26:5 54:25  <b>804,223</b> 27:16  <b>81</b> 93:12  <b>814.6</b> 86:20  <b>87.2</b> 9:20</p> <hr/> <p style="text-align: center;"><b>9</b></p> <hr/> <p><b>90</b> 6:22  <b>92,000</b> 35:14  <b>938</b> 9:18  <b>95</b> 6:23  <b>95.3</b> 9:23  <b>97</b> 37:18  <b>97-and-a-half</b> 109:20  <b>98</b> 23:24</p>
--	--