1. PUBLIC NOTICE SUPERSTORM SANDY

Documents:

8-17-20 SUPERSTORM SANDY RESCHEDULED PUBLIC NOTICE.PDF

2. SUPERSTORM SANDY REVIEW COMMITTEE, 08-17-20

Documents:

SUPERSTORM SANDY REVIEW COMMITTEE, 08-17-20.PDF



PLEASE TAKE NOTICE THAT

THE HEARING OF THE SUPERSTORM SANDY REVIEW COMMITTEE OF THE NASSAU COUNTY LEGISLATURE REGARDING TROPICAL STORM ISAIAS HAS BEEN RESCHEDULED TO MONDAY, AUGUST 17, 2020 AT 10:00 AM IN

THE PETER J. SCHMITT MEMORIAL LEGISLATIVE CHAMBER THEODORE ROOSEVELT EXECUTIVE AND LEGISLATIVE BUILDING 1550 FRANKLIN AVENUE, MINEOLA, NEW YORK 11501

Please be advised that public attendance is permitted at this meeting, but due to health and safety concerns associated with the COVID-19 virus and New York State requirements restricting public gatherings, the maximum capacity of the Peter J. Schmitt Legislative Chamber is limited to fifty people, inclusive of elected officials, staff, and attendees. Passes will be distributed on a first come first served basis beginning one half hour prior to meeting and attendees will be given an opportunity to sign in to address the Legislature for a maximum of three minutes. Attendees will be subject to temperature checks prior to entering the chamber, and must adhere to social distancing guidelines and wear a mask while they are in the chamber.

This meeting will also be available for viewing online at

<u>http://www.nassaucountyny.gov/agencies/Legis/index.html</u> As in-person attendance is limited, public comment on any item may be emailed to the Clerk of the Legislature at <u>LegPublicComment@nassaucountyny.gov</u> and will be made part of the formal record for this Legislative meeting.

While this meeting is open to the public at a reduced capacity, the Nassau County Legislature is committed to making its public meeting accessible to individuals with disabilities. If, due to a disability, you need an accommodation or assistance to participate in the public meeting or to obtain a copy of the transcript of the public hearing in an alternative format in accordance with the provisions of the Americans with Disabilities Act, please contact the Office of the Clerk of the Legislature at 571-4252, or the Nassau County Office for the Physically Challenged at 227-7101 or TDD telephone no. 227-8989.

DATED: August 7, 2020 Mineola, NY MICHAEL C. PULITZER Clerk of the Legislature Nassau County, New York

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6	NASSAU COUNTY LEGISLATURE
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8	RICHARD NICOLELLO
9	PRESIDING OFFICER
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11	SUPERSTORM SANDY REVIEW COMMITTEE
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13	LEGISLATOR DENISE FORD
14	CHAIR
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16	
17	Theodore Roosevelt Building
18	1550 Franklin Avenue
19	Mineola, New York
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21	
22	August 17, 2020
23	10:21 P.M.
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A P P E A R A N C E S: LEGISLATOR DENISE FORD Chair б LEGISLATOR STEVEN RHOADS Vice Chair LEGISLATOR HOWARD KOPEL LEGISLATOR JAMES KENNEDY LEGISLATOR DELIA DERIGGI-WHITTON Ranking member LEGISLATOR DEBRA MULE LEGISLATOR JOSHUA LAFAZAN

1 Sandy Review - 8-17-20 2 LEGISLATOR FORD: I would like to call this committee to order. Good morning 3 4 everybody, and I will ask Legislator Kennedy 5 to lead us in the pledge of Allegiance. б I will ask the clerk to call the 7 roll. 8 MR. PULITZER: Thank you madam. 9 Legislator Debra Mule. 10 LEGISLATOR MULE: Here. 11 MR. PULITZER: Legislator Joshua 12 Lafazan. 13 LEGISLATOR LAFAZAN: Here. 14 MR. PULITZER: Ranking member 15 Delia DeRiggi-Whitton. 16 LEGISLATOR DERIGGI-WHITTON: 17 Here. 18 MR. PULITZER: Legislator James 19 Kennedy. 20 LEGISLATOR KENNEDY: Here. 21 MR. PULITZER: Deputy Presiding 22 Officer Howard Kopel. 23 LEGISLATOR KOPEL: Here. 24 MR. PULITZER: Vice Chairman 25 Steven Rhoads.

1 Sandy Review - 8-17-20 2 LEGISLATOR RHOADS: Present. 3 MR. PULITZER: Chairwoman Denise 4 Ford. 5 LEGISLATOR FORD: Here. 6 MR. PULITZER: We have a quorum 7 ma'am. 8 LEGISLATOR FORD: Thank you very 9 much and welcome all of you to this hearing. 10 So, I'm not going do give an opening remark 11 because I think it's more important to listen to PSE&G and the other testimonies from our 12 13 OEM, Nassau County PD and our DPW. 14 So gentlemen, I really appreciate 15 you coming here. Mr. Daniel Eichhorn and 16 Mr. Jeff Greenblatt. I had the wrong name and 17 I'm sorry. 18 Before we start, I would just like 19 to say publicly that I do want to extend my 20 gratitude to the workers that answered, that 21 went out into the field to help restore power 22 for the many hundreds of thousands of people 23 that were without power. I know that at times 24 it can be very dangerous and very time 25 consuming, very strenuous type of job. The

1 Sandy Review - 8-17-20 2 fact that they worked 18 hours a day or 16 3 hours a day to be able to bring people back to 4 service, I know it was a long time for many 5 people to be without service, but I, as б somebody who had been a technician, I really 7 do want to recognize the work they did on 8 behalf of so many people here in the Nassau 9 County.

10 So, we know that, as I said, so 11 many people without service. It's something 12 that the storm came through. So we're going 13 to ask you to please let us know how you 14 prepared for the storm, what you did during 15 the storm and then of course after the storm. 16 What happened to let us know what you put into 17 place and hopefully where you felt that things 18 could have been better. Then we will follow 19 up with questions. Thank you.

20 MR. EICHHORN: Good morning 21 Chairperson Ford and distinguished members of 22 the committee. My name is Dan Eichhorn. I'm 23 the president and chief operating officer for 24 PSE&G Long Island.

Thank you for inviting me to speak

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1 Sandy Review - 8-17-20 2 before your committee on behalf of PSE&G Long 3 Island regarding our preparation and response 4 to tropical storm Isaias. I have five areas 5 that I will cover while we are here. The prep б that we performed, our restoration efforts, 7 some issues we encountered and then our next 8 With me today is also our CIO, Zeeshan steps. 9 Sheikh. Zeeshan is sitting back in the 10 audience.

11 So, really to start off we 12 recognize why we're here. When we experience 13 weather events and storm knocks out power it's 14 our responsibility to restore electricity in a 15 timely and safe manner. We know why we're 16 here. Unfortunately, the Isaias restoration process did not meet our customers 17 expectations. It didn't meet your 18 19 expectations nor ours. It also put our hard 20 working, dedicated employees in a difficult 21 position. Thankfully, we are not alone and 22 PSE&G Long Island appreciates the support we 23 received during the Isaias recovery from 24 government officials, including state, county 25 and municipal officials we work with preparing

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1 Sandy Review - 8-17-20 2 and responding to major storm events. 3 Our mission includes providing our 4 customers with excellent customer service. So 5 the accuracy and timeliness of restoration б information our customer received during this 7 storm was not acceptable and it will be 8 The issues our customers improved. 9 experienced in contacting us during this storm 10 were also not acceptable and that also will be 11 addressed. 12 Superior work and dedication to 13 addressing the needs of our customers 14 especially when severe weather strikes has 15 been a hallmark of PSE&G Long Island. We are 16 not satisfied with our customers experiences 17 in the aftermath of Isaias, and we are 18 conducting our own comprehensive after-action 19 review to evaluate our preparedness and 20 restoration performance. Rest assured, we 21 have many of the same questions that this 22 committee has concerning the issues we and our 23 customers encountered during this storm. We 24 fully appreciate and respect your roles and 25 responsibilities. You are entitled to answers

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Sandy Review - 8-17-20

2 to your questions.

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3 What I would hope is that you can 4 appreciate that our singular focus has been 5 restoring service to our customers. Now that б that has been accomplished, we have turned our 7 attention to getting answers to your 8 questions. Answers that PSE&G Long Island, 9 LIPA and you can have confidence that these 10 issues have been properly identified and 11 addressed. It is in everyone's best interest 12 that we be given the opportunity to accomplish 13 this now in a focused, methodical and 14 comprehensive manner and once we have the 15 answers we will provide them to you. 16 We will learn from this experience 17 and we will remain committed to being recognized as providing best in class electric 18 19 reliability and storm response for your 20 constituents, our customers and for LIPA. Α 21 little bit about our preparation. 22 Tropical storm Isaias was an 23 incredibly fast moving storm that moved across 24 our region in less than a day leaving a path 25 of danger we haven't seen since Superstorm

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1 Sandy Review - 8-17-20 2 The wind driven nature of tropical Sandy. 3 storm Isaias presented an unusual challenge. 4 This storm was unique with multiple layers of 5 nested outages. Nevertheless, our planning б and preparation was effective. Based on the 7 anticipated damage we secured mutual 8 assistance crews through the North Atlantic 9 Mutual Assistance Group. We refer to that as 10 NAMAG. PSE&G Long Island accepted any and all 11 resources made available throughout the North 12 Atlantic, the Great Lakes area and the Midwest 13 mutual aid groups. 14 In fact, PSE&G Long Island was the 15 first utility participating in NAMAG to request crews and secured nearly 1600 line 16 17 workers based on requests for over 2,400 from 18 NAMAG and other sources in an environment 19 where utilities in New York and other states 20 were also competing for these resources. 21 These 1600 line workers, which is 22 more than three times we usually have to 23 respond, that's our crews and contractors that 24 are on the island, were ready for restoration 25 the day the storm hit. So we were prepared

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Sandy Review - 8-17-20
 for a major event. We expected this to be a
 major event. We continued to secure
 additional resources during the storm period
 based upon our projections. We ultimately
 secured in excess of 4,000 line workers during
 the storm's peak.

8 A robust communication engagement 9 plan was prepared and executed. Advisory 10 emails and updates were issued for the 11 duration of the storm and provided to local 12 media, news and news outlets. Our liaison 13 organization was activated to communicate and 14 coordinated with municipal leaders. Local 15 emergency operation centers were provided with 16 dedicated liaisons as requested. Our 17 municipal liaisons worked closely with elected 18 officials and municipal calls were conducted 19 to proactively inform elected leaders of storm 20 preparations and response efforts and to 21 respond to elected officials questions. 22 PSE&G Long Island's Make Safe to 23 Clear protocol was also activated and 24 coordinated closely with local towns and 25 villages on roadway debris removal issues.

1	Sandy Review - 8-17-20
2	Proactive outreach was initiated to
3	life support equipment customers enrolled in
4	our critical care program. Communications
5	with these customers continued throughout the
б	storm with efforts aligned between the company
7	and local emergency operation centers to
8	perform required well visits for those life
9	support equipment customers with continuing
10	electrical outages.
11	Going to turn my comments now to
12	our restoration.
13	While the hardening measures to the
14	transmission and distribution system we
15	implemented post-Sandy mitigated the potential
16	severity of the impacts of this storm on
17	electric to our customers, tropical storm
18	Isaias impacted the backbone of our electric
19	system. Despite the issues we encountered,
20	our initial restoration efforts were not
21	impacted. The storm caused damage to
22	interconnection lines that bring power on to
23	the island, our transmission system and
24	substations as well as significant damage in
25	the neighborhoods.

Sandy Review - 8-17-20

1

2 Our first priority in the storm is 3 to stabilize our infrastructure and ensure the 4 backbone of the system is restored. We relied 5 on a combination of our outage management б system, a system we called SCATA, that alerts 7 us to transmission and distribution systems 8 that trip out and our smart meters to verify 9 outages and direct our response. We responded 10 effectively to restoring interconnection lines, major transmission lines, substations 11 12 and the major circuits running throughout the 13 island in the first 48 hours. 14 I'm just going to speak about some 15 of the issues that many of our customers 16 experienced. 17 Our storm restoration performance 18 was negatively impacted by the poor customer 19 communications and inaccurate estimated 20 restoration times. Our communications as the 21 storm landed our call center became overloaded 22 and failed. As did text messaging 23 functionality, our website and our customers 24 facing outage map. Actions taken to address 25 these issues were largely effective in

1 Sandy Review - 8-17-20 2 bringing these systems back online in the 3 first 24 hours. However, intermittent 4 failures of all these digital communications 5 channels continued throughout the entire storm б restoration period impacting in the accuracy 7 of our estimated restoration times. 8 We are investigating the facts but 9 we clearly know that one of the key 10 contributors was the failure of our outage 11 management system to perform as designed at 12 the beginning of the storm and the instability 13 of this system throughout the entire storm 14 period. 15 Among the consequences, each day 16 manual processes were necessary to be executed 17 in order to filter through new outage 18 management system generated work that was not 19 included in the previous day's storm plan. 20 Additionally, some of this new work that 21 appeared each day was duplicative of existing 22 work and a significant effort was required 23 each morning to separate and rationalize the 24 legitimate new work from the duplicate work.

25 Followed by modifications to the storm work

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1 Sandy Review - 8-17-20 2 plan which ultimately resulted in customers 3 seeing us miss our estimated restoration 4 These changes to the storm work plan times. 5 resulted in frequent changes to certain б customer restoration times. 7 Restoration times were also 8 impacted by inaccurate estimates for the time 9 it would take for crews to restore power. 10 Particularly within the local neighborhoods. 11 Prior to extending restoration times to 12 reflect this pace of work efforts to increase 13 output through additional resources and other 14 measures were implemented. While these 15 actions resulted in improvement, given the 16 extent of the damage and the pace of the work 17 they were not enough to avoid individual 18 customer ETRs from being exceeded. 19 Essentially, in short, the amount 20 of new work that we saw coming in the days 21 after storm Isaias was material. In most 22 storms we expect it. When a storm of that 23 magnitude goes through the island it creates a 24 lot of damage. Could be leaning poles, 25 leaning trees, hanging branches. We expect a

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certain amount of work in the days following a major storm. In this storm the work that we saw was much more material. Could not be fit into our work plan and had an impact on our estimated restoration times.

7 As far as next steps, we realize 8 that extreme weather, as evidenced by topical 9 storm Isaias, is becoming more prevalent and 10 more unpredictable. We also fully appreciate 11 that customers expect better communication and 12 an overall better response. We are committed 13 to meeting these expectations and providing 14 best in class service. We are working 15 diligently to prepare for the next major 16 weather event and ensure that PSE&G Long 17 Island's response to this storm was an 18 anomaly.

As I mentioned, we are conducting a thorough after-action review to determine what went wrong and why. As I said at the outset, I know you have questions and once we have answers we will be sure to provide them to you.

25 We also recognize that we're not

1	Sandy Review - 8-17-20
2	alone. The findings, observations and
3	recommendations from various stakeholders
4	across New York State provide an opportunity
5	for implementing improvements for the benefit
6	our customers. Our senior leadership team and
7	all of our dedicated employees are committed
8	to cooperating and collaborating with this
9	committee of Nassau County as well as the
10	Public Service Commission, the Department of
11	Public Service, LIPA and other stakeholders to
12	develop recommendations that once implemented
13	will improve and enhance our storm response
14	and restoration process.
15	As frustrating as this storm was
16	for everyone, I can tell that you our
17	employees put their heart and soul into this
18	response.
19	I would like to thank all employees
20	who persevered throughout this storm and
21	maintained focus on restoring service
22	notwithstanding the issues we experienced. We
23	are a company dedicated to providing
24	exceptional customer service and this
25	experience is not in keeping with our

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1 Sandy Review - 8-17-20 2 expectations. We will learn from our 3 mistakes, correct them and do better. I would 4 like to thank you very much for your time. 5 LEGISLATOR FORD: Thank you very б much. I know we all have questions so we will 7 bounce around and everything. But for me, 8 moving up to the -- as we are getting prepared 9 for the storm season, like, during the spring 10 or winter or whatever, do your crews go out to 11 inspect where the power lines are, to like 12 take a look at like trees that you would maybe 13 judge that may have a possible impact on the 14 line should a storm occur? Do you do that on 15 a regular basis? A daily basis? 16 Yes, we do. MR. EICHHORN: We 17 have the tree trim program where we tree trim the island over a four-year period. 18 We do 25 19 percent of the Island each year. Our 20 transmission lines we do them on an annual 21 basis. We do helicopter flyovers. We have 22 drone flyovers and we make sure that our 23 transmission right of ways are clear. We also 24 have inspection programs where we perform 25 inspections in substations. We do pole

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Sandy Review - 8-17-20
 inspections and pole replacements based on the
 need.

4 LEGISLATOR FORD: I know that 5 aside from the trees that fell down there was б talk that some of the poles also may have 7 fallen as well. Especially those that were 8 like what we call double pole situations that 9 may have not been properly -- maybe they were 10 broken or something like that. Was that 11 something that was true or you didn't have 12 that happened at all?

13 MR. EICHHORN: I'm not aware of 14 poles themselves just falling over. I am 15 aware of trees that came down on lines and 16 brought poles down. There were a number of 17 poles that we had to replace during the 18 restoration efforts.

19 LEGISLATOR FORD: I don't want to 20 jump all over the place. Let me go to one of 21 the questions from -- while I get my thoughts 22 together on this. I quess when we look at 23 what happened before this storm, you said that 24 you do diligence in regard to looking at the 25 trees that would have the greatest impact on

1 Sandy Review - 8-17-20 2 the power lines. With a storm like Isaias, 3 that as we saw how many trees that came down, 4 how many lines that came down and over 420,000 5 people were without power. A lot of them б basically for a week. I guess right after, 7 when you mobilized the crews, how many people 8 did you say that you had currently on standby 9 so that once the storm passed you were able to 10 mobilize these crews? How many did you say 11 that you had? 12 MR. EICHHORN: We had all of our 13 internal employees and contractors were in 14 full storm mode. We requested prior to the 15 storm 2500 off-island resources. We had 16 commitments for about 1600 and roughly about 17 1300 were on the island on Tuesday ready to start restoration once the storm passed. 18 19 LEGISLATOR FORD: Then how many 20 did you have employees and contractors did you 21 say? I missed that. 22 Our line MR. EICHHORN: 23 department that would do most of the 24 restoration is roughly 200 employees and we 25 have 300 contract employees that work on the

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1 Sandy Review - 8-17-20 2 island continuously to help support our normal 3 operations. So, 500 internal employees and 4 then we were looking for 2500 external 5 employees that would do the same restoration б work. 7 LEGISLATOR FORD: You actually 8 had about 1800 line workers, correct? 9 MR. EICHHORN: That was at the 10 beginning of the storm. We continued to request and accept additional line workers. 11 12 Ultimately, between our internal employees, 13 tree trim employees that we brought on from 14 off the island, as well additional high 15 voltage line workers, it was over 6,500 people 16 working on restoration efforts. 17 LEGISLATOR FORD: Then I quess 18 aside from that I guess one of the biggest 19 issues we have found was the communications. 20 That residents were calling in, as you had 21 said, that your call center had a failure. So 22 that I guess either people were not getting 23 their calls answered or they were getting busy 24 and the calls dropped. Before something like 25 this, do you test your communications to see

1 Sandy Review - 8-17-20 2 when you have the most egregious situation? 3 Do you take a look to see how many calls like 4 your call center would be able to handle 5 during an emergency or do you just wait to see б when the emergency occurs? 7 MR. EICHHORN: No. We do a 8 certain amount of testing. We also do 9 hurricane drills. We have storm prep. We 10 have summer preparedness procedures that we 11 look at. So we go into the summer with a 12 bunch of activities that we perform. A bunch 13 of drills and a lot of testing of our 14 equipment. LEGISLATOR FORD: 15 So then where 16 do you think the failure was if you did this 17 type of testing? Do you test it like based on 18 like if everyone in Nassau County called you 19 or do you take like a certain percentage of 20 the number of residents or businesses that 21 would call after an outage? 22 MR. EICHHORN: That is a question 23 we have ourselves that's going to be a big part of our after-action review. We know the 24 25 impact of what happened. Customers couldn't

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1 Sandy Review - 8-17-20 2 call us. They were getting busy signals. Our 3 digital channels didn't work and part of our 4 after-action review is to understand why 5 exactly that happened. What do we have to do б better in the future to test these systems 7 that we have and really take a look at our 8 preparation procedures as well as what 9 particularly happened in this event. 10 LEGISLATOR FORD: Then you also I 11 guess when you were talking about like even 12 with people who texted messaging or I guess 13 maybe emailing or was it just texting when we 14 do the app where people can report the 15 outages. I know that people like just reading 16 different articles and hearing from different 17 people they said that they texted and then all 18 of a sudden they'd get a response from you to 19 say that they're going to be repaired or this 20 is what's happening and then all of a sudden 21 the next day they wait, they text again, they 22 get a different message. It seems like maybe 23 the messages that you were sending out 24 text-wise when people texted were more of a 25 general response rather than an individual

Sandy Review - 8-17-20
 response. Do you think that that was the
 case?

4 MR. EICHHORN: That's what we 5 have to look into. We know customers -- our б restoration times changed multiple times. 7 Sometimes that's the result of what we call 8 embedded outage. But we also feel some of the 9 issues that we had with the communications 10 systems at the start of the storm created some 11 of those multiple ETRs. But that's part of 12 what we really have to understand better and 13 do that after-action review so we can take 14 actions that are going to prevent it this the 15 future.

16 LEGISLATOR FORD: Then I know you 17 mentioned about the smart meters where you're 18 able to then take a look at who is out of 19 service at that time. Is there any way of 20 coupling that like if you see that my house, I 21 live on Ohio Avenue, you see my address is out 22 of service. The system will report that 23 myself and everyone else on my block is out of 24 service. Is there any way that perhaps you 25 can then take a look at that and work out a

1 Sandy Review - 8-17-20 2 system so that a message can be generated to 3 Like even to my home phone or like maybe me. 4 do a reverse text to let me know that we know 5 that you're out of service. We're in your б area. We're hoping that maybe by Wednesday if 7 we are able to get there.

8 Rather than having the resident 9 trying to reach you that perhaps if you do a 10 reverse communication it may cut down on the 11 backlog of people trying to reach you. Or 12 even if you made a phone call, like generated 13 a call so that -- because it seemed like your 14 incoming was the problem not so much the 15 outgoing. So that if you have these meters where you are able to identify people and 16 17 where they live that perhaps then you would be 18 able to then reach out to us, be more 19 proactive than reactive then letting us know 20 that you're aware that I have no service and vou're looking to make sure that we can get 21 22 back in service. 23 MR. EICHHORN: That will be a big

24 part of our after-action review. We did use 25 our smart meters in this event to really

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1	Sandy Review - 8-17-20
2	supplement our outage management system. We
3	were pinging meters. We can do that at any
4	time. If we suspect a customer is out of
5	service we are able to send a signal. If that
6	meter responds to us then we get confirmation
7	that it's in power. And that was something
8	that really was beneficial during this storm.
9	As I mentioned, some of the
10	communication issues, the IT issues, made it
11	difficult for us to distinguish what work in
12	our system was actual and what work was
13	duplicative. We used or smart meters to help
14	sort through that but it was a manual process
15	compared to in the past it would be more
16	automated.
17	LEGISLATOR FORD: Right. I think
18	that from what I gather like just reading some
19	things even in the papers that people because
20	they weren't getting a response. So that you
21	had people that were constantly texting you or
22	constantly calling you. It might have been
23	the same person who may have sent like maybe
24	ten or 20 messages. So maybe if you could
25	work out something so that you could cut down

1 Sandy Review - 8-17-20 2 on that so it would be a better flow of -- so 3 that when people who are just making the 4 initial complaint. But sometimes if you could 5 like let them know before they reach you that б you're aware that they are out of service I 7 think that would give a level of confidence to 8 the residents knowing that you are aware that 9 they have no power. 10 MR. EICHHORN: Correct. I think 11 it's going to be one of our items that we'll 12 look at. I do think there's a great potential 13 there to use the smart meters to avoid 14 customers even having to call us at some point 15 in time. 16 LEGISLATOR FORD: Do you have a 17 disaster recovery plan? Do you have something 18 where you can set up like say if your 19 infrastructure was badly damaged, say the 20 storm came through at one of your central 21 locations -- we remember the blackout in the 22 northeast what was it, 14 years ago or 23 something like that, do you have a backup plan 24 for yourself? So that if something happens 25 you would be able to switch to something where

1	Sandy Review - 8-17-20
2	you'll still be able to keep up your
3	communications so that you can respond to the
4	residents and the businesses?
5	MR. EICHHORN: We do. All of our
б	departments and all of our systems have we
7	call them business continuity plans. We have
8	plans if our system goes down, if a building
9	is without power or damaged, we have business
10	continuity plans that we would use to kick in
11	and provide the service to customers.
12	LEGISLATOR FORD: I have two
13	questions from one of the other legislators
14	that sent it in to us. He writes on Friday,
15	August 7 at 1:53 I received the following
16	email from PSE&G indicating that the vast
17	majority of work would be completed by
18	Saturday August 8th. Looking at the outage
19	map of my district alone there are hundreds of
20	outages. It is physically impossible to
21	repair the majority by Saturday. Why was the
22	information sent out when it could not
23	possibly have been correct and who made the
24	determination to send out this information?
25	This is from Legislator McKevitt.

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Sandy Review - 8-17-20

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2 MR. EICHHORN: Sure. One of the 3 unique things with this storm was just the 4 amount of damage. We have work flow models 5 that we use when we are in a storm. We look б at the amount of work we are holding and we 7 project out and make an estimated restoration 8 time for customers. We then divide those 9 customers by the day and when we're going to 10 restore their power and we notify them of when 11 we'll restore their power.

12 In this storm, what we found is 13 when our crews were out working, instead of 14 finding one damaged location to restore a 15 neighborhood it was multiple damaged 16 locations. And those models that we were 17 using proved to be much more optimistic than what our crews were seeing in this damage and 18 19 we were roughly getting about a third of the 20 work done that we had projected and what we 21 had accomplished in past storms. 22 Coupled with a constant influx of

23 new work. The days proceeding this storm we
24 got as much work on a Wednesday and a Thursday
25 as we would typically in a major storm. That

1 Sandy Review - 8-17-20 2 was unprecedented. It was something that we built into our forecast a certain amount of 3 4 work because we know that a hanging tree, a 5 hanging limb, a leaning tree could fall over б at any time. But the amount of new work that 7 was coming in was really unprecedented 8 compared to any other storm we had. And then 9 just the sheer volume of work that needed to 10 be done to restore each area was much greater 11 than past storms. 12 We did make adjustments in our 13 model. Every day we had more crews coming in 14 from out of state. We changed some of our 15 processes trying to make sure we were getting 16 the work out to people. They made 17 improvements but not enough to counter for the 18 two things, which was new work coming in then 19 in a typical storm it's nominal and we will 20 prioritize it with the day's work and we 21 typically can get it all done. In this case 22 it wasn't nominal and the restoration that we 23 were seeing was just so extensive our past 24 models really did not work. 25 LEGISLATOR FORD: You were saying

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1	Sandy Review - 8-17-20
2	that then I guess when you were giving this
3	information out like saying that people would
4	be restored by like Wednesday or Thursday it
5	basically was a model that you had set up
б	based on past occurrences with storms that you
7	would anticipate?
8	MR. EICHHORN: Correct.
9	LEGISLATOR FORD: When did you
10	then switch over I hope then to reaching out
11	to the linemen, the crews that were outside
12	working and asking them how much did they
13	accomplish and what were they seeing so that
14	you could then did you incorporate that
15	information into the model that you were then
16	looking at?
17	MR. EICHHORN: We did. Where
18	that had the biggest impact, we were pretty
19	much on our restoration schedule through
20	Thursday. We had restored many of the
21	transmission lines. Our substations were back
22	online. The interconnection lines were back.
23	We had 384 major circuits throughout the
24	island that were restored and they're
25	typically the lines that run on the major

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1 Sandy Review - 8-17-20 2 roads throughout the island. They were all 3 restored by about 4 p.m. on Thursday. 4 Where we really got into that area 5 where we started to find tremendous damage was б when we were in the neighborhoods. We call 7 then area outs and it could be anywhere from 8 ten customers to 500 customers. In those 9 areas that's where we started to hear back 10 from the crews that there was significant 11 damage. The time it was taking them even to 12 restore five customers on a dead end street 13 was significant. That they had multiple 14 locations of clearing trees, putting wires 15 back up in the air, replacing poles. And at 16 that point we already had set many of the 17 estimated restoration times for customers. 18 As I mentioned, we had more crews 19 coming in each day and we were doing work load 20 meetings to see how much we were completing. 21 We were doing those twice a day and probably 22 in the Friday, Saturday time frame we realized 23 that the amount of damage was not working with

25 LEGISLATOR FORD: My last

our models and we adjusted from there.

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1 Sandy Review - 8-17-20 2 question because I know that many people, one 3 of the big issues that a lot of people did 4 write to us about was that moving forward what 5 is the possibility of starting to move some of б our power lines underground so that we're not 7 subjected to these outages for long periods of 8 time? Considering that a lot of times the 9 reason why we are without power is tree limbs 10 are taking these lines down. Is that 11 something that PSE&G will consider and is 12 looking into? 13 MR. EICHHORN: Every time we run 14 a new line we look at the considerations of 15 whether that line should go underground or overhead. We primarily are an overhead 16 17 utility where we would put the line overhead 18 unless there were certain circumstances where 19 we felt for liability, for esthetics that we 20 would put the line underground. 21 To start to bury all the lines is 22 something that would be extremely expensive 23 and would take many years, more like decades 24 to do. It's something that I think if 25 customers really wanted that it's something

1 Sandy Review - 8-17-20 2 that we would look at, but it would be an 3 expensive proposition. 4 LEGISLATOR FORD: But I quess 5 maybe you could look at some of the areas б where they seem to have the most outages due 7 to the trees that it might be something 8 that -- so you could lessen the number of 9 people without service. It might be worth 10 looking into. I'm going to yield. Legislator 11 Rhoads. 12 LEGISLATOR RHOADS: Thank you for 13 your presentation president Eichhorn. We 14 certainly appreciate you being here. Just a 15 couple of follow-up questions. I know that a 16 bunch of legislators have questions as well so 17 I will keep my questions brief. 18 PSEG's presence here on Long Island 19 was born out of really the failures during 20 Superstorm Sandy. Yet we seem to see many of 21 the same mistakes that were made during 22 Superstorm Sandy and the response duplicated 23 in the response here. 24 Coming in, obviously PSE&G Long 25 Island I'm sure one of the first things that

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1 Sandy Review - 8-17-20 2 you did is take a look at the Sandy response 3 to try and find things they did well, things 4 that they didn't do as well and to try and 5 plan for those. What did you view as being б the weaknesses of the prior response to 7 Superstorm Sandy and how did you try to make 8 the outcomes from -- I always hate to try and 9 pronounce this, you did well with it -- Isaias 10 different? 11 So, from 2014 we MR. EICHHORN: 12 have a very detailed storm response plan. We 13 have been extremely successful in past storms, 14 the nor'easters in 2019. We had four 15 nor'easters in the month. We've had 125,000 customer outages. I know it's difficult to 16

just accept this but we really feel this storm was an anomaly. It's not the expectations we have. It's not what we pride ourselves on. We were prepared. The IT issues and system issues that we had really had an impact on many of the things that we discussed.

23 LEGISLATOR RHOADS: I understand 24 that but I don't necessarily understand how we 25 would consider this storm to be an anomaly.

1 Sandy Review - 8-17-20 2 We do sit on Long Island. We do periodically 3 receive hurricanes, receive tropical storms. 4 Obviously Superstorm Sandy was essentially a 5 superstorm, tropical storm slash level one б hurricane. So it's not unprecedented that we 7 would have a storm of this type and of this 8 I'm struggling to understand why magnitude. 9 it was that we had such what was perceived to 10 be a slow response and such poor communication 11 in response to this particular storm. 12 I think one of the most frustrating 13 things from the standpoint of a customer is 14 the fact you couldn't get accurate information 15 and you couldn't get timely information. So 16 it feels as though you are literally out there 17 on an island. You have no idea what's 18 happening. No way of being able to plan. And 19 then the little bit of information you get 20 from PSE&G turns out being wrong. 21 I know from my own standpoint we 22 received notifications that our power -- we 23 went out actually the day before the storm on Monday night. There was a little thunderstorm 24

²⁵ that knocked our power out. We were told

1 Sandy Review - 8-17-20 2 power would be restored by five o'clock the 3 next morning. We were told it would restored 4 by Wednesday, then Friday, then Saturday, then 5 Sunday. Actually wound up for us being б restored on Thursday. But it's that 7 frustration that's really driving some of the 8 anger out there.

9 I know you said you are going to be 10 analyzing the system and ways that you can 11 improve but we've had since 2014 and you have 12 been here since 2014 working on your 13 communication system. What are you going to 14 do differently that's going to prevent a 15 failure of not only your text messaging 16 system, your online system and telephone system as well. It was a trifecta of 17 disastrous communication at every level. 18 And 19 then if you could get answers that information 20 was incorrect. What specific plan does PSE&G 21 have to address that in future storms? We are 22 actually early in hurricane season now. 23 Just to clarify, I MR. EICHHORN: 24 meant our response to the storm I think you

will find was an anomaly, not the storm

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1 Sandy Review - 8-17-20 2 itself. We agree we expect more storms and we 3 expect to be prepared. Part of our action, 4 after-action review is really to look at 5 that. Our digital channels have really been б adopted by our customers. We see as many 7 customers use those channels as they do call 8 We know the outcome, right, that they us. 9 weren't performing. What we really have to do 10 is understand why. We've taken interim 11 actions. We're monitoring our systems to make 12 sure they're not getting overloaded and we're 13 doing a deep dive after-action review to 14 understand exactly what occurred so that we 15 can fix the root cause of the problem. 16 LEGISLATOR RHOADS: How long do 17 you anticipate that after-action review taking place? When is PSE&G going to have concrete 18 19 steps that they're taking to be able to 20 address some of the clear deficiencies that we 21 saw in the response here? 22 MR. EICHHORN: We are diligently 23 working on that. We're working 16 hours a day 24 trying to identify those root causes. It's 25 difficult to say exactly the time frame of

Sandy Review - 8-17-20
 them because we haven't identified the root
 causes of the fixes as of yet. But we are
 committed to making sure we get those changes
 in as soon as possible.

6 LEGISLATOR RHOADS: T understand 7 that but we're in a situation here as we said 8 we're in the middle of hurricane season now. 9 You could have the next major storm a week 10 from now, two weeks from now, a month from 11 We don't have the benefit of having time now. 12 to sort of learn on the fly here. Ι 13 understand this may take time and I understand 14 you can't give a clear time frame as to when 15 that's going to happen but I want to stress 16 the urgency behind identifying the problems, 17 fixing the problems to make sure this doesn't 18 happen again.

19 MR. EICHHORN: We understand that 20 urgency. The other thing that if a storm was 21 coming tomorrow we know what to expect now 22 internally. We would be staffed, we would be 23 implementing some of our business continuity 24 plans and we would know what to expect. 25 In this storm there were things we

1	Sandy Review - 8-17-20
2	mentioned did not perform as expected. We
3	know going forward until those root cause
4	analysis after-action reports are completed we
5	will be operating with increased monitoring on
6	the system with the interim changes we've
7	already made to stabilize the system and we
8	will be implementing some of the manual
9	processes so we are ready in the short term
10	and more ready in the long term.
11	LEGISLATOR RHOADS: In terms
12	of I know that you have an aggressive tree
13	trimming program that takes place certainly
14	during the summers. Did the tree trimming
15	program at all benefit the response to this
16	particular storm?
17	MR. EICHHORN: We believe all the
18	work we've done over the last six years had a
19	great benefit in this storm. We have data
20	that shows in the year after we tree trim it's
21	about a 45 percent reduction in outages. That
22	as time goes on gets a little bit lower but it
23	has a significant benefit.
24	We also storm hardened about a
25	1,000 miles of the system. That was through

1	Sandy Review - 8-17-20
2	FEMA funding that was granted after Superstorm
3	Sandy. And we have data that has similar
4	results. When we storm harden we tighten the
5	span of the wires. Shorter cross arms, more
6	sturdy poles, better hardware. And we see the
7	same thing in those storms. If a lot of that
8	work was not done and we didn't do the tree
9	trimming that we did we really believe
10	strongly that this storm would have had a much
11	bigger impact on the island and the number of
12	customers that lost power.
13	LEGISLATOR RHOADS: Is there
14	going to be any changes as a result of the
15	storm to the tree trimming program?
16	MR. EICHHORN: That will be part
17	of our after-action review. We will look at
18	that amongst many other things.
19	LEGISLATOR RHOADS: Having
20	communicated with other levels of government,
21	one of the frustrations in this response is
22	not only is it a question of power but it's a
23	question of inconvenience to residents that
24	the response from many of the town, even the
25	county, the townships in the county, was

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1 Sandy Review - 8-17-20 2 slower for example in clearing roadways 3 because of the Made Safe to Clear program. 4 So, my district lies entirety 5 within the Town of Hempstead. Town of б Hempstead was having difficulty as was 7 reported to me being able to get permission to 8 clear roadways. So we had residents that not 9 only didn't have power but depending on where 10 the particular tree was down had no way to get in or out of their community or in and out of 11 12 their block or out of their development. What were the failures in the Made Safe to Clear 13 14 program in your estimation and how are those 15 going to be remedied? 16 We will look at MR. EICHHORN: 17 that as part of our after-action review as 18 well. Just the sheer volume. Typically in a 19 storm we will use our on-the-ground employees 20 to do the Make Safe to Clear work and have 21 them work with public works and town and local 22 county officials to clear the roads. 23 In this storm we actually added 24 some of the off-island crews to that process. 25 In some areas I think it was very successful

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1	Sandy Review - 8-17-20
2	and in other areas people would have liked to
3	have had more crews. We are going to take a
4	look at that. It was a balance. The more
5	crews we put on the work to clear the roads
б	the fewer crews that we had to restore power.
7	But this storm was one of the first times that
8	we used line personnel coming from out of
9	state to team up with the municipal workers
10	and clear those roads.
11	LEGISLATOR RHOADS: What's
12	involved in Make Safe to Clear? I'm assuming
13	somebody has to go out, inspect the lines to
14	see whether it's live and remove the line
15	theoretically from whatever is entangling it.
16	Is that essentially what the Make Safe to
17	Clear program is?
18	MR. EICHHORN: Correct.
19	LEGISLATOR RHOADS: In your
20	estimation from this storm was it that
21	sufficient that you didn't have enough people
22	doing that?
23	MR. EICHHORN: I really have to
24	wait to do the review to have a better handle
25	on that.

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1 Sandy Review - 8-17-20 2 LEGISLATOR RHOADS: When you're 3 doing your after-action review that is 4 critically important not only from the power 5 restoration standpoint but, as I said, б residents were trapped on their blocks but 7 more importantly emergency vehicles couldn't 8 get access to them if there was a problem 9 because you couldn't make access to the 10 roadway. 11 Several more questions on that but 12 I'm going to move on because I know we're 13 limited on time. 14 In terms of identifying critical 15 care customers, what outreach efforts are made 16 by PSE&G to put people on that list? Because 17 I was receiving phone calls in my office from 18 individuals that were on oxygen, from 19 individuals that had motorized wheelchairs 20 that needed to be charge, individuals that for 21 a variety of medical reasons needed to have 22 their power restored. What kind of outreach 23 efforts are made to customers so that they can 24 get themselves on that list and to communicate 25 with customers in the event of an emergency to

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1 Sandy Review - 8-17-20 2 give them enhanced updates or information as 3 to when they can expect power to be restored? 4 Because it's critically important for them to 5 be able to plan for their own safety and б families when they have special needs. 7 We do have a MR. EICHHORN: 8 critical customer list. It's customers that 9 are on life support equipment. Prior to a 10 storm we will notify every one of those 11 customers about the storm. So, when a storm 12 is coming we will call them, let them know, 13 make arrangements, preparation in case they do 14 lose power they're prepared. After a storm we 15 look at every one of those customers who lost 16 power and we call them. If we don't reach 17 them after three calls we will make a wellness visit or coordinate with local social services 18 19 to make a visit out there. 20 That information is available on 21 our website, and I would have to check as to 22 how often do we communicate the process and 23 the availability of that program. I don't 24 know that off the top of my head. 25 LEGISLATOR RHOADS: Given the

1 Sandy Review - 8-17-20 2 number of outages that there were and the 3 amount of repairs that had to be made, how 4 confident are you as we sit here today in the 5 integrity of the overall system to be able to б withstand another storm? Again, drawing on my 7 own personal experience, as I told you my 8 power went out on Monday night, was out until 9 Thursday night. But it went out again I 10 believe on Sunday for five hours. Then any 11 power went out again during a gust of wind 12 basically for 45 minutes yesterday. It seems 13 as though if we get another storm, I don't 14 know what repairs were made in my area but 15 what efforts are being undertaken to harden 16 those repairs? And do you believe the system 17 as it stands right now can withstand another 18 storm?

19 MR. EICHHORN: That's a wide 20 variety of questions. This storm clocked 21 winds at 75 miles-an-hour. Very damaging 22 I do believe the system is back to its storm. 23 original configuration. We do have follow-up 24 work which we have in every storm. Our focus 25 in a storm is to restore customers. Sometimes

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1 Sandy Review - 8-17-20 2 we will put things up temporarily. We will 3 make a note. We go back. Usually takes a 4 week or two weeks to make all permanent 5 repairs. But many of the repairs we make б during the storm are permanent as well. 7 I think the system is in good shape 8 to withstand the next storm. It really 9 depends on the characteristics of the storm. 10 Each storm has a little bit different 11 challenges. This storm was more wind. The 12 rains were relatively minor. The flooding was 13 minor. If you were to compare that to Sandy 14 one of the big challenges in Sandy was the flooding and we raised all of our substations 15 16 in flooded areas. That was a great move. 17 Something that will protect the system. But 18 in this particular storm that really had no 19 benefit because this storm didn't bring the 20 flooding that Sandy did. 21 I do believe our system is in a 22 good position to withstand the next storm, but 23 with any storm we always would expect outages 24 somewhere.

25 LEGISLATOR RHOADS: In terms of

1 Sandy Review - 8-17-20 2 critical infrastructure, what efforts does PSE&G take to identify critical infrastructure 3 4 and how is your response different with 5 respect to that infrastructure? б MR. EICHHORN: Critical 7 infrastructure internally or critical --8 LEGISLATOR RHOADS: For example, 9 Empire Hose Company Three on Merrick Avenue in 10 Merrick. Merrick was a community that was 11 heavily impacted by this particular storm. I 12 had reached out to PSE&G on three different 13 occasions because that firehouse was out of 14 power and at one point in time their generator 15 failed. So essentially that fire station is 16 dead in the water and that particular fire 17 station services all of basically Merrick 18 south of Sunrise Highway. Theoretically 19 couldn't even open up their doors, couldn't 20 charge their equipment. 21 What steps does PSE&G take to 22 identify places like that firehouse and try 23 and restore power as quickly as possible so 24 that they can get out and protect the

25 community?

1 Sandy Review - 8-17-20 MR. EICHHORN: 2 We have many 3 efforts that we do. We do have a critical 4 customer list. They are identified in our 5 system. They're broken into several б priorities. Some of the ones in the top 7 priority is what you would expect. Hospitals, 8 municipal buildings. The next tier down would 9 be nursing homes. Other facilities of that 10 nature. So we have multiple tiers. 11 What we really look to rely on is 12 having our municipal liaisons, having our 13 external government affairs groups work with 14 the local town officials to prioritize them. 15 We also have what we call the 16 municipal portal which allows any municipal 17 official that's registered to go in and see the critical facilities in their town that are 18 19 impacted by the storm. They can prioritize 20 the critical facilities and we will take that 21 into our prioritization so that we prioritize, 22 align with the normal restoration process as 23 well as what our government officials are 24 asking us to prioritize.

25 LEGISLATOR RHOADS: I have been

1 Sandy Review - 8-17-20 an elected official now for five and a half 2 3 This is the first that I'm hearing vears. 4 about our ability to have input into that 5 How do we actually access that? process. 6 MR. EICHHORN: We can get you 7 that information and we can train you and show 8 you how to get into that system. 9 LEGISLATOR RHOADS: Please do. 10 If you can get us that information we would 11 like to get that done as guickly as we can. 12 Just two last questions and then 13 I'll move on and if there's time I will 14 follow-up at the end. 15 My understanding is Con Edison, for 16 example, has for customers that lost the 17 contents of their refrigerators during the 18 course of the storm, which given the 19 challenging times that we have now and given 20 the fact that so many people purchased 21 additional supplies with concerns about food 22 certainty as a result of COVID, wherein they 23 can get reimbursed for some of the food that 24 they lost. Does PSE&G have any plans to do 25 that for its customers here on Long Island?

1	Sandy Review - 8-17-20
2	MR. EICHHORN: We are in
3	discussion with LIPA to have a policy
4	similar. That could have been resolved as we
5	are sitting here today but I don't have a date
6	on that. We are discussing it and working
7	through some of the details with LIPA on that.
8	LEGISLATOR RHOADS: Can we
9	anticipate that there's going to be some sort
10	of program announced within the next week,
11	within the next two weeks? I know you just
12	said you are in the process of discussing
13	that. But is there some sort of time table
14	for when you can go out with the public
15	they're spending the money now to replace what
16	they lost is there some idea as to when
17	they can have an expectation of being able to
18	get reimbursement?
19	MR. EICHHORN: I would say there
20	would be a decision sometime this week if not
21	sooner.
22	LEGISLATOR RHOADS: Would that
23	come in the form of a bill credit or would
24	that come as an actual direct payment to
25	customers seeking reimbursement?

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1 Sandy Review - 8-17-20 2 MR. EICHHORN: I would have to 3 get the details on that. As I mentioned, it's 4 in discussion but as of the start of this 5 meeting it hasn't been resolved. 6 LEGISLATOR RHOADS: My final 7 question for this particular round. Will 8 there be some sort of bill credit for 9 customers with respect to the days that they 10 were out of power? For example, as part of 11 your base bill or base rent I quess for the 12 service, base local service, there's a per day charge for that base level service. 13 So for 14 the days that customers weren't provided that 15 service are they going to see some sort of 16 impact on their bills? 17 MR. EICHHORN: We have not had 18 that discussion to date. Obviously customers 19 pay by their usage. When they're out of power 20 they're not using power they wouldn't be 21 charged for anything there. But we have not 22 had discussions on a credit for the base fee. 23 LEGISLATOR RHOADS: I know they 24 pay for their usage but there's also a basic

²⁵ service fee on the delivering system charges

1 Sandy Review - 8-17-20 2 based on I guess per day fee for operation. 3 It looks like it's 42 cents a day based on the 4 rates that are approved by the Public Service 5 Commission. That's specifically what I am б referring to. For the days that are lost will 7 there be any credit with respect to that? I 8 know if they're not using power they don't get 9 charged for it. But there is a specific basic 10 service charge which is a per day charge not 11 based on usage. 12 MR. EICHHORN: Correct. No, we 13 have not made any decisions on that as of 14 today. 15 LEGISLATOR RHOADS: When do you 16 anticipate the decisions would be made? Just 17 out of curiosity though, from a philosophical standpoint how can you charge somebody for a 18 19 service that's not provided? 20 It's something MR. EICHHORN: 21 that we can look at as part of our 22 after-action review. But as we kind of 23 alluded to in my opening, many of us just finished restoration last week. There's a lot 24 25 of things we want to look at and we can

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Sandy Review - 8-17-20
 include that in our after-action review as
 well.

4 LEGISLATOR RHOADS: Т 5 understand. I just hope you understand you б guys are the only game in town. That puts an 7 additional obligation on you to make sure you 8 get things right. And when things go wrong to 9 put in the work and put in the effort in 10 trying to make improvements to make it right. 11 It's not as though normal market forces apply 12 here where there are multiple choices and if I 13 don't like the service that you're providing I 14 can go to somebody else. I can't do that. 15 Just the reality.

So, we need you guys to step up to the plate to really take a deep dive to use your term into what went wrong here and what you can do to make it right for customers not only in response to this storm but in response to future storms. I hope you understand that obligation.

MR. EICHHORN: We understand.
 LEGISLATOR RHOADS: Thank you
 Madam Chairwoman.

Sandy Review - 8-17-20

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2 LEGISLATOR FORD: Take a hard 3 look at that and make it a priority. A lot of 4 the people who lost their food probably have 5 been out of work because of coronavirus. That б stimulus check, that \$600 extra a week for 7 those unemployed is gone now. They're living iust basically day-to-day. A lot of people 8 9 don't have enough food. I urge you please at 10 least take a look at those that are having 11 problems paying their rent, trying to live 12 here and trying to make due and make them a 13 priority to try to get them -- at least give 14 them a check so that they can purchase their 15 food. 16 Legislator DeRiggi-Whitton.

17 LEGISLATOR DERIGGI-WHITTON: 18 Thank you Madam Chair. Hi. I represent the 19 Glen Cove area, North Shore, which also was 20 hit pretty hard in this storm. From what I 21 understand with this storm it was very fast 22 moving. The average wind was approximately 35 23 miles-per-hour with gusts of 70 and we had between two to three inches of rain. Is that 24 25 the statistics that you have as well?

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1 Sandy Review - 8-17-20 2 MR. EICHHORN: We had winds 3 clocked at McArthur Airport at 75 and also, 4 forget which airport, one of the New York City 5 airports, had winds in the same range. б LEGISLATOR DERIGGI-WHITTON: But. the average winds from what I have been told 7 8 was around 35 miles-per-hour for the three 9 hours that this storm was in our area. 10 MR. EICHHORN: Sustained. 11 LEGISLATOR DERIGGI-WHITTON: 12 Sustained winds of 35 miles-an-hour. Two 13 inches of rain, gusts to 75. I think we're 14 all up here saying this was not the big storm 15 that we're afraid of getting and the reaction 16 to it was much more difficult than we would 17 expect. We can't say, like Legislator Rhoads 18 said, that we're not going to have another one 19 or even a hurricane category one or anything 20 even bigger. We could have it in the next 21 couple of weeks. 22 To have a three-hour storm -- I was 23 actually outside for part of it. There were 24 some gusts and we did get some damage 25 definitely. I'm not mitigating the damage we

1 Sandy Review - 8-17-20 received. But there could be much worse 2 3 coming and we just feel the reaction to this 4 one was extremely poor. Especially after the 5 anticipation of hearing that we were б anticipating this storm, we were ready for it. 7 I know we spent millions and 8 millions of dollars on tree trimming. We pay 9 like the third highest in the nation for our 10 energy and our electric. So, it's not only 11 that we expect more but we've been told to 12 expect more. That we were going to be able to 13 handle this type of thing. This is not a 14 It wasn't close even to Superstorm hurricane. 15 Sandy. 16 I just have a couple of 17 suggestions. I agree with everything that my 18 co-legislators discussed. When some of the 19 crews came from out of state we had a few stay

in a parking lot of North Shore High School pretty much at least the whole day. I think it was Wednesday possibly Thursday. They were actually asking municipal people locally what they should do or where -- they really had no direction whatsoever.

Sandy Review - 8-17-20

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2 I really think you have to come up 3 with some plan as soon as they come across the 4 border you are in contact with them and they 5 know where to go and what to do. They also б have to be met by some local person. Ιt 7 really delayed the repair time in my opinion 8 by days probably because we did see a number 9 They weren't obvious. We saw them of them. 10 in certain places. It wasn't even the crew 11 people's fault. They didn't know what to do 12 or where to go. I think that's something we 13 can figure out very quickly with 14 communications. You know they're coming. 15 They have to know where to go and someone has 16 to meet with them immediately so they can go 17 out and not even miss four or five hours. That could be hundreds of homes. 18 19 My other point is, some of the 20 trucks it sounds like, our local trucks, are 21 not equipped to fix certain things. We had 22 some show up and then say we don't have this, 23 we don't have that. It seems like our local 24 trucks are not ready to do the work as

25 decently as the out of town trucks. Are you

1 Sandy Review - 8-17-20 2 aware of that, that some of the trucks go to 3 research it and look at it and don't have any 4 equipment on there to fix the problem? 5 A lot of things MR. EICHHORN: б you mentioned we will look into in our after-action review. Our process during the 7 8 storm is once all of our crews are assigned 9 work we send out people to survey the area and 10 they're not equipped and they're not expected 11 to be equipped to fix the problem. What 12 they're really doing is trying to identify the 13 type of wire, the pole size and the equipment 14 and really make it more efficient for the 15 crews that will follow-up. 16 So we have a certain number of 17 office people, engineering folks, who will go 18 out ahead of the job so that the crew's not 19 inefficient. Our focus in a storm is really 20 to keep the crews as efficient as possible. 21 If we can front run those jobs, identify the 22 material and have that ready for the crews it 23 will make the crews be able to do their work 24 faster.

25 LEGISLATOR DERIGGI-WHITTON: I

1	Sandy Review - 8-17-20
2	think the frustration came in the fact that
3	those crews that were just basically
4	evaluating the damage were there four days
5	after the storm when people were desperate to
6	have their power turned on and then to only
7	find out that the crews couldn't repair it.
8	Just a couple of quick things.
9	Legislator Birnbaum mentioned in one of those
10	conference calls that we were on with the
11	elected and I will say that Kim Kaiman and a
12	number of them did a very good job. They were
13	messengers and they got beat up. So are we.
14	That's our role in this too.
15	So, I was coming home on Thursday
16	evening crossing over Glen Cove Road from the
17	Northern State, a pretty busy intersection,
18	and the light was out still. That was 48
19	hours plus after the storm. That's a
20	dangerous intersection. When we spoke on the
21	call we asked how do you go about prioritizing
22	traffic lights? We were told, I don't know
23	I'm if it's true or not, that you had no idea
24	what traffic lights were working and not
25	working based on your information. Is that

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1 Sandy Review - 8-17-20 2 true? 3 MR. EICHHORN: I would have to 4 look into that. Most traffic lights are on 5 those main circuits that I mentioned. So they б typically are prioritized and get back sooner 7 just by virtue of the circuit they're 8 connected to. I'd have to look into the 9 details in that specific case. It could have 10 been connected to a secondary line. I really 11 don't know. I'd have to look at those 12 details. 13 LEGISLATOR DERIGGI-WHITTON: Т 14 think having a good way to trace traffic 15 lights is basic. Just talk about safety. 16 The other thing they said is that 17 they can't -- this is just from the call and I 18 don't want to get anyone in trouble -- they 19 said they couldn't really identify where the 20 traffic lights were looking at the grid. That 21 they would have to work with our DPW to try to 22 get a map to overlay. If you go on GPS coming 23 home you see where all the traffic lights 24 are. I don't see how a company that's 25 spending millions and millions of dollars in

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1 Sandy Review - 8-17-20 2 preparation for a storm you don't have the 3 basics like even as to where the traffic 4 lights are on a major roadway. It has to be 5 improved. We really expect it to be a higher б level with the amount that we're spending. 7 Glen Cove lost water because the 8 wells were also affected. They had no power. 9 We had a water crisis in the middle of all 10 this. It was just a major issue. I know that 11 there was an accident in someone's backyard in 12 Roslyn who still had a live wire four or five 13 days after the storm. These are just in my 14 district. I can imagine what everyone else 15 has. 16 We lost the phones. People were

17 calling they lost the phones. Then we had the 18 emails. Email went out on your system. How 19 does an email crash I don't know but it did. 20 Then we had the port which worked for a couple 21 of days but that also crashed. So all three 22 mechanisms crashed during the storm. 23 I almost believe like kind of what 24 Legislator Ford, to tell someone they're 25 getting their power back on Friday night at

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1 Sandy Review - 8-17-20 2 three or Friday afternoon at three and then not have it come through is almost worse than 3 4 saying all right, we have your report we'll --5 you know, almost worse to give a definite time б and not make it then to not give a definite 7 time in my opinion because then our 8 credibility, which was what I was depending 9 on, went down the tubes. 10 The last thing I want to also 11 piggyback on with my co-legislators is 12 reimbursing. I think it would be a good faith 13 effort for your company to reimburse our 14 customers for at least the food they lost. Ι 15 hope it's not going to be a very difficult process. I know I don't keep my receipts from 16 17 King Kullen. I think it should be basically 18 maybe a like general good faith effort as to 19 what people lost. Everyone lost food. It 20 would be, I don't know, I think like the 21 frustration is really what is so difficult 22 right now. People have lost trust. And 23 again, this was not the big storm we're 24 worried about going forward. I think it would 25 be a good gesture. That's all I have. Thank

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1 Sandy Review - 8-17-20 2 you. 3 Legislator LEGISLATOR FORD: 4 Kopel. 5 LEGISLATOR KOPEL: Thank you б Madam Chair. Good morning Mr. Eichhorn. 7 People have been talking largely about what 8 happened during this storm and efforts to 9 restore matters. I'd like to focus just a 10 little bit on prevention going forward. It's 11 more important what happened happened and we 12 can learn from it. So, PSE&G is basically a 13 northeastern utility, right? The various 14 branches? 15 MR. EICHHORN: We operate mainly 16 in New Jersey. 17 LEGISLATOR KOPEL: New Jersev and New York now and Long Island, right. So, when 18 19 you develop your planning procedures how is 20 this done? Who does it? Planning the storms. 21 MR. EICHHORN: We have an 22 emergency preparedness group that focuses on 23 it for the most part year round. We also have 24 what we call asset management team that looks 25 at best practices across the utility and

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1 Sandy Review - 8-17-20 2 identifies how frequently we should be 3 inspecting poles, what should our tree trim 4 standards be, how often do we trim and do 5 maintenance work in substations and the б trimming on transmission lines. 7 LEGISLATOR KOPEL: As you 8 mentioned quite early on in your presentation, 9 the storm seemed to be getting to be more 10 frequent and more severe. Wouldn't it be 11 useful at this point to maybe adopt on a large 12 scale some of the southeastern utility best 13 practices manual? They've been going through 14 this for many, many years and it seems like 15 they're dealing with it quite effectively. 16 Would that not be a good plan? 17 MR. EICHHORN: I'm not 100 18 percent sure what those procedures are. 19 LEGISLATOR KOPEL: That's my 20 point. 21 MR. EICHHORN: We look at the 22 best practices in the industry. We feel we 23 follow them. Our reliability on Long Island 24 has been greatly improved. I know this storm 25 lots of damage, but if you were to look

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1 Sandy Review - 8-17-20 2 outside of this our reliability was in the top 3 25 percent in the country. So, all the work 4 that we've done has made a tremendous 5 improvement on the day-to-day reliability. б And a storm of this nature, I know 7 this gets into some of the utility speak, 8 there's a lot of factors that play into the 9 amount of damage that occurs in the middle of 10 the summer when the trees have full leaves on 11 them and they're nice, big, healthy leaves, 12 they act as a sail. I'm sure you've seen 13 pictures of some of the size of the trees that 14 have come over. We can tree trim and clear 15 around the wires to where we call a box, but 16 when a tree that's 30 feet away from our wires 17 and it's 50 feet tall and it's on a customer's 18 property falls over that's something that's 19 tough to avoid. 20 LEGISLATOR KOPEL: I recognize 21 that as long as we have overhead wires and the 22 cost of burying them is prohibitive, it's

I get that. But as long as we have trees, big trees and storms and overhead wires we're

unrealistic certainly on an island-wide basis

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Sandy Review - 8-17-20

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² going to have outages. I get that.

3 If you go down south what I've 4 noticed in my travels over the years is that 5 they've got overhead wires in many places б too. But what they also have are concrete poles. In other words, if a tree comes down 7 8 it may knock a wire off a pole but it's not 9 going to knock down the pole and cause a 10 domino effect on a bunch of other wires and 11 poles.

12 Meanwhile, we seem to have a lot of 13 rickety, old wooden poles and sometimes the 14 double poles, which have been mentioned, which 15 are certainly prone to -- they're old and 16 decayed. Wood poles are going to decay inevitably. Those are the kind of best 17 18 practices that I'm talking about. Are we 19 looking into different materials with better 20 foundation so that these poles don't fall 21 over? 22 So that will be MR. EICHHORN: 23 part of our after-action review. We have

24 considered those in the past. The poles that 25 we're using are much sturdier than the poles

1 Sandy Review - 8-17-20 2 that have been used in the past. But we can 3 look at that as part of our after-action 4 review. 5 LEGISLATOR KOPEL: I would urge б you to consider, as I say, looking at what the 7 southeastern utilities, they face these storms 8 all the time in Florida, Texas and so forth, 9 in Louisiana, you know where it is. 10 Moving on a little bit to the 11 critical facilities which have been discussed 12 a bit. For facilities such as hospitals or 13 most of them do have backup generators but 14 other critical facilities don't. Some fire 15 stations may not. Some police stations may 16 not. Do you have any emergency generators, a 17 stock of those that you can rapidly distribute 18 to some of the most critical facilities and 19 should you have them if you don't? 20 MR. EICHHORN: We do have some 21 generators and we did use some of them. 22 LEGISLATOR KOPEL: Maybe not 23 enough? 24 MR. EICHHORN: For the damage in 25 this storm not enough.

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1 Sandy Review - 8-17-20 2 LEGISLATOR KOPEL: As you say, 3 they may be more severe. Will you look at 4 perhaps maybe enhancing that stockpile? 5 MR. EICHHORN: Yes, we can look б at that as part of our after-action review. 7 LEGISLATOR KOPEL: You mentioned 8 also the smart meters, which are a great 9 thing. What percentage of the meters that are 10 currently deployed are smart meters? 11 MR. EICHHORN: Almost 60 12 percent. We have about 625,000 smart meters 13 of 1.1 million customer. 14 LEGISLATOR KOPEL: What is your 15 anticipated schedule for going all smart 16 metered? 17 MR. EICHHORN: That program was a 18 four-year program. We're ahead of schedule. 19 It was supposed to be completed at the end of 20 2022, but it is also something that we will 21 look at as part of our after-action review. 22 It might be something that we make a decision 23 to speed that up to assist in an event like we 24 had. 25 LEGISLATOR KOPEL: Because

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1 Sandy Review - 8-17-20 2 obviously at that point you'll know who's out 3 and who's not. We understand that the 4 facilities are -- you're dependent upon maybe 5 Verizon or whatever phone facilities you use б as well and customers calling in and not 7 enough people maybe to handle the calls and so 8 This would eliminate that issue, forth. 9 wouldn't it? Or largely eliminate it? 10 MR. EICHHORN: It would 11 definitely be a help. 12 LEGISLATOR KOPEL: I would once 13 again urge that perhaps you look at that. All 14 these things obviously whatever we do is going 15 to factor into the new bills. That's how it 16 works, right? Into the your rate 17 calculations? 18 MR. EICHHORN: It does. LIPA is 19 a government-owned utility. There's no profit 20 base. So essentially --21 LEGISLATOR KOPEL: Any 22 reimbursements that was mentioned by a number 23 of people and certainly the enhancement of 24 facilities those are all going to go into your 25 right base I would imagine, right?

1 Sandy Review - 8-17-20 2 MR. EICHHORN: In general, the 3 FEMA hardening work that we did one advantage 4 LIPA has is it's government owned. It's 5 available for FEMA funding. Superstorm Sandy б much of the cost for restoration was paid for 7 and reimbursed by FEMA. And when we talk 8 about the hardening work we did that was a 9 \$730 million program that FEMA funded. 10 LEGISLATOR KOPEL: That was great 11 but this storm won't be eligible for that? 12 This storm and the aftermath as far as we 13 know, right? 14 MR. EICHHORN: I would have to 15 check on that. I thought this storm was 16 eligible for FEMA funding but I would have to 17 check. 18 LEGISLATOR KOPEL: You've got 19 some specialized state tax taxes which act as 20 a multiplier. Sort of like the gross receipts 21 tax. A special hidden state taxes that you've 22 got in the rates. Does that apply here? 23 MR. EICHHORN: I don't know 24 specifically what you're talking about. I can 25 get that information for you. Part of the

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Sandy Review - 8-17-20
bill includes taxes.
LEGISLATOR KOPEL: It's just that
the state taxes do tend I understand in these
case as I say act as multiplier and make
things more expensive. I think that's it.
Thank you.

8 LEGISLATOR FORD: Legislator9 Mule.

10 LEGISLATOR MULE: Thank you Madam 11 Chair. I'm going to be piggybacking a bit on 12 what some of my colleagues have brought up. I 13 want to start out with the people who have 14 talked about having chronic outages. So not 15 just necessarily from this storm but we've 16 certainly been reading about and getting calls 17 and emails from constituents who feel that 18 they always get outages. So, I'm wondering 19 what it is that you can do to address those 20 issues?

We got a notice from a Hamilton Park that was on the north shore. And then certainly there are individuals who have contacted us stating that this is just kind of the last straw for them. Not that they can do

1 Sandy Review - 8-17-20 2 anything about it. They feel that they're 3 always going out not just necessarily with a 4 What can you do to harden the storm. structures around them so that they're not 5 б subjected to chronic outages? 7 We do have several MR. EICHHORN: 8 programs that address that. We measure the 9 number of customers that have had four or more 10 extended outages over a rolling 12 month 11 period. When we identify those customers 12 we'll inspect the circuit, the area. We'll do 13 additional tree trimming. We'll look for any 14 damaged or worn equipment that we replace. We 15 have a program that we refer to as the Next 16 Outage program where we anticipate customer 17 maybe has three outages. Before they have 18 that fourth we will go out and do similar 19 activities. We inspect the lines. Do any 20 type of line mitigation. Additional tree 21 trimming. Looking for cross arms. Different 22 equipment that might be deteriorating but 23 hasn't failed to the point where it's caused 24 an outage yet. It's something that we look 25 at.

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1	Sandy Review - 8-17-20
2	We know it's frustrating when
3	customers lose their power multiple times.
4	That metric has actually greatly improved over
5	the last few years the number of customers who
6	have had multiple outages.
7	LEGISLATOR MULE: Is that
8	something that the customers need to report or
9	something that you are able to generate
10	yourself?
11	MR. EICHHORN: No, we generate
12	that ourselves.
13	LEGISLATOR MULE: If a customer
14	wanted to report that would they be able to?
15	MR. EICHHORN: Sure.
16	LEGISLATOR MULE: If they felt
17	hey, our power goes out a lot, who would they
18	contact? Customer service?
19	MR. EICHHORN: Yeah. They would
20	contact our customer service department.
21	We've had customers in the past call us and
22	tell us that they've had frequent outages and
23	we will do the same, inspect their area, look
24	at the records and look to make improvements
25	in their circuit.

1	Sandy Review - 8-17-20
2	LEGISLATOR MULE: Moving on to
3	people who are the aged or the critically ill
4	people who rely on power for say oxygen or to
5	keep their medicines cool. That's a
6	necessity. You testified that outreach is
7	done for the people who you know about; is
8	that correct?
9	MR. EICHHORN: Correct.
10	LEGISLATOR MULE: Prior to the
11	storm and then after the storm?
12	MR. EICHHORN: Correct.
13	LEGISLATOR MULE: So, if people
14	are not on that list, again, how do they get
15	on? Do they have to contact? Do they have to
16	make that outreach?
17	MR. EICHHORN: There's a
18	process. It's on our website. They do have
19	to notify us. There's a couple of steps they
20	have to follow. It's a program that's been
21	reviewed and approved by LIPA and the DPS.
22	But there is a process that customers have to
23	follow to get on that list.
24	LEGISLATOR MULE: My final
25	question has to do with 911 calls. Was there

1 Sandy Review - 8-17-20 2 ever -- do you have any notification or 3 knowledge that people were not able to make 4 911 calls or to get emergency services when 5 they needed it as a result of the power б outages? 7 I haven't heard MR. EICHHORN: 8 those issues. I don't have any knowledge of 9 that. 10 LEGISLATOR MULE: Thank you. 11 LEGISLATOR FORD: Legislator 12 Kennedy. 13 LEGISLATOR KENNEDY: Thank you 14 Madam Chairwoman. Good morning. Still is the 15 morning. Obviously today I think there have 16 been obviously problems that have been exposed 17 and I know that you're working on those. One 18 thing I'm curious is I know it seems there 19 were four, 500 fewer workers that you 20 requested. Do you think that had anything to 21 do with the virus that we are currently living 22 in or what do you attribute that to? 23 MR. EICHHORN: COVID-19 might 24 have had a small impact in the number of 25 workers that were willing to travel. I think

1 Sandy Review - 8-17-20 2 the most impact was the storm came up the East 3 Coast. Many utilities were not releasing 4 employees because they wanted to see what the 5 impact was on their service territory. Many б states don't allow workers to leave until all 7 the utilities within that particular state 8 have restored their customers. So the bigger 9 impact really was the path of the storm and 10 the wide impact that it had. 11 We were fortunate, as I mentioned, 12 we were the first ones to request crews 13 through our North Atlantic Mutual Assistance 14 If we weren't requesting those on Group. 15 Sunday prior to the storm hitting it's a good 16 chance we would have never received them. 17 After the storm passed, many of the utilities 18 in our area had similar damage and similar 19 problems. So, a lot of the local utilities 20 were competing. There's a process that we go 21 through. You request the crews. There's 22 multiple utilities requesting them. So 23 there's a certain amount of crews that each utility will get. We continued to increase 24 25 our request and as other utilities were

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1 Sandy Review - 8-17-20 2 releasing or the storm damage was cleaned up 3 we never turned away any crews that were 4 offered to us. 5 LEGISLATOR KENNEDY: Thank you. б Also the critical customer list, I had several 7 calls, and I'm sure everybody did, I'm 8 thinking of one phone call from a woman who is 9 86 years old. She came to my office. She had 10 lost Optimum service and she was without her 11 phone and also was unable to activate the 12 emergency button around her neck. She is a 13 woman who is capable of getting around. She 14 was 86 years old and lived alone. She had 15 certain issues she was concerned about. 16 I am curious, my first question, 17 about that critical customer list. How does 18 someone get on that? Are there certain health 19 quidelines that are followed? Couple of other 20 questions. But if you could tell me that that 21 would be great. 22 MR. EICHHORN: It's a life 23 support equipment list. Customers that are on 24 that list typically have a doctor 25 certification that they need to have certain

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Sandy Review - 8-17-20
 medical equipment for life sustaining. They
 submit the form to us. We go through a review
 process. We approve and put them on the
 list.

6 I think your question and a lot of 7 the questions we received in the storm is, 8 does that give customers priority? And we do 9 a lot of outreach for those customers. We let 10 them know ahead of time that a storm is coming 11 so they can plan. In a big storm like we 12 experienced those customers they're identified 13 and if we get to a point in the storm where we 14 are restoring all single customer housing we 15 would give priority to a customer who is on life support equipment over a customer who's 16 17 not.

But we have an overall priority 18 19 that we manage to in a storm. So a hospital 20 and the critical customers that we talked 21 about earlier is what we're focused on. So 22 we're focused on stabilizing the system, 23 transmission lines. Those customers that are 24 on our critical customer list will get 25 priority but they will get priority when we

1	Sandy Review - 8-17-20
2	are at that level of restoration.
3	LEGISLATOR KENNEDY: I would like
4	to see it extended. I know for a fact that my
5	mother when she had one of those around her
б	neck she actually fell in the garage and she
7	was able to activate it. If she hadn't been I
8	don't know what would have happened. In
9	instances like that, someone who is fairly
10	capable but someone who is old, someone who is
11	by themselves, someone who for whatever
12	reasons they have concerns and of course
13	they're going to be much more fearful in any
14	kind of situation like that. I would love to
15	see that extended to not just people who are
16	in critical care. People who are at risk is
17	basically what I'm talking about. Not just
18	older people but people who could be at risk
19	in a different way. However the guidelines I
20	think would be looked at again. Maybe
21	redefined. I think that would be tremendous
22	help to the many people that were affected.
23	MR. EICHHORN: Understood.
24	LEGISLATOR KENNEDY: Also, I was
25	wondering the inability of people to get

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1	Sandy Review - 8-17-20
2	through. Communications of course was an
3	issue. Is it PSEG's policy that people should
4	call 911 or it seemed like there was a
5	tremendous amount of people that reached out
6	to 911 which of course then could cause issues
7	with other life-threatening occurrences that
8	are happening elsewhere. I was just curious
9	what PSEG's policy was about that.
10	MR. EICHHORN: Our recommendation
11	if a customer saw a downed power line,
12	especially something that was sparking, we
13	want them to call us. And we also encourage
14	them to call 911. But if a customer just lost
15	power and there's no evidence of a wire down
16	and sparking we do not direct them to call
17	911.
18	LEGISLATOR KENNEDY: Also for the
19	critical customer list, which of course I
20	would prefer to see expanded, I think it would
21	be better if that were a specific number, a
22	specific line that was for those people who
23	are on that list. Is that something that you
24	think could be implemented?
25	MR. EICHHORN: We can take a look

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1 Sandy Review - 8-17-20 2 at that as part of our after-action review. 3 LEGISLATOR KENNEDY: One other 4 question. I know when repairing an area 5 that's down, do you have to shut off a grid in б order to go in? 7 Sometimes we will MR. EICHHORN: 8 take a circuit out for safety. It all depends 9 on the circumstances. What work needs to be 10 done. Sometimes there's two circuits on the 11 pole line and one needs to come out for our 12 workers to work safely on the other one. 13 LEGISLATOR KENNEDY: So I was 14 just wondering if it would be possible, like 15 it was said before, that someone lost power 16 and then a couple of days later they lost it 17 again for several hours, if that kind of thing 18 did happen would it be possible to notify 19 people who are going to be losing their power, 20 say you are going to be losing your power for 21 a few hours at this time? So people are not 22 alarmed and not concerned. Who are not then 23 calling. So if you know certain area, a 24 certain grid map area will be going down for a 25 certain amount of time those people could be

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1 Sandy Review - 8-17-20 2 informed so they can prepare and everything 3 would go smoothly. 4 Right. We can MR. EICHHORN: 5 take a look at that as well. б LEGISLATOR KENNEDY: Great. 7 Thank you. That's it for now. 8 LEGISLATOR FORD: Legislator 9 Lafazan. 10 LEGISLATOR LAFAZAN: Thank you 11 Madam Chair and thank you for coming to 12 testify today. I just want to draw a 13 distinction. The ire from this committee is 14 not directed at the thousands of workers, many 15 of whom are not from Long Island, who went out 16 in dangerous conditions. Quite frankly, the 17 ire from this committee is directed at the management of the utility and that's an 18 19 important distinction. 20 Before I'm a legislator I'm a son 21 and family member. My home in Woodbury didn't 22 have power restored for almost seven days. I 23 slept in my car for several nights. So with 24 due respect, before we're legislators we're 25 also customers and I'm not a satisfied

1 Sandy Review - 8-17-20 2 customer with all due respect. 3 First I want to talk about 4 Woodbury Gardens is in my district. seniors. 5 We had hundreds of seniors in perilous б conditions. We had seniors trapped upstairs 7 as they couldn't use electronic lifts. We had 8 seniors whose medication spoiled. We had 9 seniors who lacked anything but a land line. 10 My office staff called PSE&G. Seniors called 11 I called PSE&G. Nothing seemed to PSE&G. 12 happen until the media truck showed up on 13 Saturday. 14 So my question here is, what do you 15 say to seniors living in these communities and 16 will restoration be prioritized in these 17 communities going forward? 18 MR. EICHHORN: Yeah. Any time we 19 have an escalated job of that nature we do 20 have an escalations process. In this storm 21 there was a tremendous number of jobs being 22 escalated. But we do try to get our people 23 out there as soon as possible. So we do take 24 that input. It's part of the reason why we

25 have the robust external affairs group. We

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1 Sandy Review - 8-17-20 2 supplement that with about 30 municipal 3 liaisons. And our intent there is to really 4 get feedback on specific circumstances like 5 that so we can escalate them. I'd have to б look into that particular one to really know 7 the details behind it. 8 LEGISLATOR LAFAZAN: My ask is to 9 please look into this specific case at 10 Woodbury Gardens. Tuesday the storm hits. 11 Wednesday, Thursday, Friday, Saturday we're 12 told no action. No trucks. Nothing. 13 Saturday a cadre of media pulls into Woodbury 14 Gardens and all of a sudden within a few hours 15 power is restored. So the seniors are looking 16 at me and saying does PSE&G have to be shamed 17 into taking care of our most vulnerable. So I ask you to please look into 18 19 the Woodbury Gardens because the escalation 20 from Tuesday to Saturday is pretty concerning 21 for seniors and I hope this takes action next 22 time. 23 I next want to talk about 24 preparedness. You had stated that 1600 line 25 workers were here. What time on Tuesday were

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1 Sandy Review - 8-17-20 2 those 1600 line workers physically here and 3 checked into their rooms on Long Island? What 4 time on Tuesday? 5 I would have to MR. EICHHORN: б get that information. They arrived at various 7 It was multiple companies. They were times. coming from multiple states. Some as far away 8

9 as Florida. Throughout the day we have a 10 process where we check them in, we give them 11 material, we give them safety review, we set 12 them up in hotels. It was throughout the day 13 they started to arrive.

I believe it was 1600 we had commitments on and roughly about 1300 were here on Tuesday.

17 LEGISLATOR LAFAZAN: Sure. The reason I would like to know and if you could 18 19 get back to me, if we knew the storm was 20 coming why wouldn't they be here on Monday 21 night checked into their rooms? I understand 22 logistically to coordinate that type of 23 response is difficult. Perhaps that will be 24 looked at in the report that you guys do. 25 Because if we knew a storm of this magnitude

Sandy Review - 8-17-20
 was coming and perhaps for the next one they
 would all be checked in Monday night. So
 instead of coming in Tuesday and then being
 dispatched, they could be checked in Monday
 night and be dispatched Tuesday after the
 storm.

8 I know I went outside 5:30, six 9 o'clock. It was nice in Woodbury. Perhaps 10 they could have been dispatched then and had 11 all of Tuesday evening to work for these 12 crews. I would like to see that in the 13 report.

14 I want to talk about expedited 15 response for vulnerable customers. Legislator 16 Rose, Kennedy and Mule brought this up but I 17 want to talk about vulnerable customers. From 18 the thousands of calls our office took what 19 concerns me most are the stories that someone 20 finds themselves in a vulnerable state. 21 They're on a medical device that needs power. 22 They just had surgery, et cetera. They are 23 not on the critical customer list. They are 24 told by a PSE&G rep that, this is a quote, 25 they need to get a doctor's note to update

1 Sandy Review - 8-17-20 2 their file to get placed on the list otherwise 3 it can't be changed. 4 I understand there's a protocol in 5 place to get on this list before a storm. But б emergencies happen. And with COVID, health 7 situations are more fluid than ever. My 8 question is, do you find this as a reasonable 9 protocol in the 21st century and in the age of 10 COVID? 11 MR. EICHHORN: We will definitely 12 be -- we received a lot of feedback on our 13 critical customer care program. We hear the 14 concerns. We will definitely be looking at 15 that as part of our after-action review. 16 LEGISLATOR LAFAZAN: Just from a 17 place of empathy, somebody loses their job or 18 somebody is in a financially difficult 19 position the last thing on their mind is am I 20 on the critical customer discuss list for 21 PSE&G. It's the last thing on their mind. 22 And then health situations happen 23 so they call my office and say Josh, I 24 literally had surgery yesterday. Or Josh, my

²⁵ father is on life support or oxygen and

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1 Sandy Review - 8-17-20 2 they're not on the list. I, as the 3 legislator, can't certify them. I would sign 4 anything. If you want legislators to certify 5 that these situations are accurate we'll do б it. But there has to be a change because life 7 happens. The last thing on our constituents' 8 minds is are they on this list. So T 9 definitely would like to see that on the 10 report. 11 I want to talk about emergency 12 response systems. What is PSE&G's plan to 13 coordinate with Verizon and with local 14 emergency response systems, including the 911 15 system, to ensure that outages have the least 16 impact on those systems? 17 We will have to MR. EICHHORN: 18 take a look at that. We do coordinate with 19 Verizon and cable companies when there is pole 20 work that needs to be done. The communication 21 systems I would have to get back to you on 22 that. 23 LEGISLATOR LAFAZAN: I want to 24 talk about generators next. How many 25 generators does PSE&G have on hand?

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1 Sandy Review - 8-17-20 2 MR. EICHHORN: I don't have that 3 number. 4 LEGISLATOR LAFAZAN: If you can 5 get back to us. And the other question is, б are those generators -- you don't have a 7 number -- are those generators maintained and placed at the ready in prestorm preparation? 8 9 And additionally, can you look to purchase 10 portable generators with FEMA funds for use in 11 emergencies going forward? 12 MR. EICHHORN: I'll have to get 13 back to you on that. 14 LEGISLATOR LAFAZAN: I think 15 those are important questions. 16 I want to talk about cell towers. 17 It's often inconvenient to lose power but it 18 can be exceptionally dangerous to not have 19 cell service in case of an emergency. So 20 thousands of my constituents couldn't make 21 phone calls from their homes because their 22 local cell towers died and had no power. They 23 literally walk across town to find free WiFi 24 from a Dunkin Donuts to message me on 25 Instagram. That is not crisis management.

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Sandy Review - 8-17-20
 So, would you be open to working with the
 telecom companies to install some generators
 by some cell towers?

5 We are willing to MR. EICHHORN: б work with anybody. We want to make sure that 7 the infrastructure of Long Island is restored 8 as soon as possible. I think it's more of a 9 question for some of the phone companies. Ι 10 do believe that they are supposed to and 11 required to have backup generation for their 12 towers.

13 LEGISLATOR LAFAZAN: Because it 14 seems when it comes to -- I appreciate your 15 magnanimity in coming here. It seems that 16 there's finger pointing. The telecom 17 companies to PSE&G, the PSE&G to the telecom 18 companies. All the while the conversation 19 So perhaps my office will doesn't happen. 20 make outreach to local reps from PSE&G and the 21 telecom companies to have that conversation. 22 Because having somebody trapped in their home 23 and not being able to make calls whether it's 24 for a health situation or to a loved one is 25 unacceptable. I will be happy to take the

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1 Sandy Review - 8-17-20 2 lead on that and I look forward to contacting 3 your office to move that forward. 4 I want to talk about geographic 5 response. My district is northeast Nassau б County, Syosset, Woodbury, west to Roslyn, 7 north to Bayville everything in between. As I 8 said, I lost power for almost seven days in my 9 home. I understand that resources are 10 concentrated in certain areas for efficiency. 11 It seems that there wasn't a single truck on 12 the north shore for all of Wednesday and all 13 of Thursday. So can you speak about 14 geographic response in Nassau County and where 15 resources were concentrated? 16 MR. EICHHORN: Our restoration 17 process, and I mentioned this, at the high 18 level is to stabilize the backbones of the 19 system. Once we have that completed, we 20 essentially prioritize our work based on the 21 number of customers out per problem. If we 22 have a thousand customer outage that would be 23 our priority. We want to get our crews 24 working to restore the most amount of 25 customers in the beginning of the storm. And

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1 Sandy Review - 8-17-20 2 we essentially work our way down from there. 3 Some areas where you didn't see trucks were 4 areas where the customer account was likely 5 lower and it took us that long to get to that б level of the jobs. 7 LEGISLATOR LAFAZAN: Lastly, I 8 appreciate the time madam chair, many of my 9 colleagues have asked the same guestion but 10 this seems to be the question that we're 11 asking and we're not getting the answer we 12 want. Again, we appreciate the magnanmity, 13 the take accountability and to come here and 14 answer questions. But these words are hollow 15 without specific on-the-record assurances. So 16 what specific on-the-record assurances can you 17 give my colleagues and I that what transpired, 18 the communication blunders, the delayed 19 responses, the errors, I understand there will 20 be a comprehensive report and I look forward 21 to delve into that report, but what assurances 22 can you give us today on the record that what 23 happen won't happen again? Other than we're 24 going to look at it, what assurances are we 25 going to get?

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Sandy Review - 8-17-20

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2 MR. EICHHORN: The assurance I 3 can give you is that we admit we were not 4 happy with our communication. We're not happy with the impact it had on customers and your 5 constituents. It's not the level of service б 7 we expect to provide and we're going to fix 8 We're going to do the after-action it. 9 review. We're going to make sure that things 10 are improved. So there's no hiding from the 11 issues. We take full responsibility for what 12 It wasn't what we expected to have occurred. 13 happened. I think we've performed well in 14 other storms and we really got to get to the 15 root cause of what happened here and make 16 those improvements. There's no denying it. 17 The restoration and the communications was 18 unacceptable.

19 LEGISLATOR LAFAZAN: Thank vou 20 and I appreciate that. I studied crisis 21 response at Harvard. There's a two steps and 22 you've done the first which is to take 23 accountability. I appreciate that. The 24 second step is action. I ask in that report 25 that we have specific action items and

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1 Sandy Review - 8-17-20 2 assurances and look forward to reading that 3 Thank you Madam Chair. report. 4 LEGISLATOR FORD: You've heard 5 from all of us and soon we will open up. б There might be some people in the public that 7 may have guestions and then hopefully we will 8 be finished with you. 9 I quess just to summarize and 10 looking at some the other comments that some 11 of the other legislators gave in regard to I 12 guess the response and when people were given 13 false hope to the fact that they were going to 14 be turned on after a certain amount of time 15 and they weren't. I think that the loss of 16 credibility that people had to PSE&G is very 17 paramount because of that. I quess sometimes 18 people don't understand, as you explained, 19 that you may have a crew go out to assess what 20 the damage is so that you can make a better 21 determination as to which crew will follow 22 through. 23 But then also then I guess 24 Legislator DeRiggi-Whitton had brought up

25 about the out-of-state workers and that some

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1 Sandy Review - 8-17-20 2 of them were like sitting, maybe waiting to go someplace. I would hope that in the future 3 4 that you would then set up maybe like a grid 5 so that you would have -- that they would work б with the local people. That they would be 7 teamed up with crews that are already here. 8 But I guess we only have 200 or 500 linemen. 9 So that maybe you can utilize your management 10 so that they will then be in charge of a crew 11 and they will be out in the field with them 12 directing them to the proper neighborhoods 13 knowing where they have to go. 14 I quess if you come from Florida 15 some of the streets in the Long Island, 16 especially the north shore, are very windy and 17 end up in dead ends and whatever. So there 18 could be a lot of confusion and delay in the 19 restoration of service. 20 I think that when we talked about 21 even with the billing, that we hope that we 22 take a look at the billing as well for people 23 who are on balanced billing that they lost 24 service for so many days. And once again even 25 with the food and whatever type of assistance

1 Sandy Review - 8-17-20 2 that you may be able to provide to the 3 residents that were hard hit. 4 The stress on our most vulnerable 5 In the old days despite power population. б outages the phones used to work. The phone 7 company had battery backup. The plain old 8 telephone service. People were still able to 9 communicate. I guess now with the changes in 10 the type of services that we're getting from 11 both Optimum and Verizon it is now power. 12 That if we lose power we're going to lose 13 service. I think that's something that we 14 need to have a dialogue with these companies 15 to find out how do we maintain it? How is it 16 that if somebody has a phone in their house, 17 not so much whether or not they have -- I still have a land line, but it goes out when 18 19 Fios is not working. I think that that's 20 something that needs to be discussed amongst 21 all the communications. Because if we have 22 residents that, like Legislator Kennedy said, 23 his mother fell in the garage, if we have 24 somebody who can't reach you to let you know 25 or if they can't reach the outside world that

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1 Sandy Review - 8-17-20 2 is something that is very, very critical and 3 it has to have a priority. 4 I think communications, when we 5 look now at all of this, communications is the б most important aspect of what this response 7 was during the storm. After the storm. 8 So we look forward to your action 9 plan, and I'm hoping though that you 10 communicate quite effectively with everybody 11 so that hopefully, not to put a time frame, 12 but that maybe within a couple of weeks we'll 13 be able to have some idea of what your 14 responses would be in regard to this action 15 plan. Because we are getting very close to September. Let's pray to God we don't have 16 17 anything -- I think Irene came on August 28th. We know that there could be storms 18 19 brewing right now. 20 But I would hope that we would try 21 to work faster on coming up with a plan so 22 that we know moving forward we can hope to 23 minimize the outages for our residents and 24 especially for our most vulnerable. 25 But I thank you very much for

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1 Sandy Review - 8-17-20 2 showing up. You came here to speak with us 3 and address our questions and our concerns and 4 we will be going after our communications 5 companies as well because I think that they б also need to answer to the public as well as 7 to what happened and where was the breakdown. 8 Especially with their cell towers. 9 While it's nice to have you go to 10 restore the power as fast as you can, it 11 really is, in my estimation, it is their 12 responsibility to make sure that they have 13 battery backup and they have enough storage so 14 that people do not lose their cell phone 15 service. That is something we all share 16 responsibility and we have to make sure 17 everybody lives up to what they are 18 responsible for. 19 At this time I don't know if there 20 is anyone in the public. Anyone in the 21 public? Yes ma'am. Would you like to come up 22 and state your name and address. 23 MS. PAULIS: Good afternoon 24 legislator and legislators. My name is Dr. 25 Cynthia Paulis. I live in Massapequa Park.

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1 Sandy Review - 8-17-20 2 I'm a long-term resident. I grew up there. Ι 3 was six years old when I moved there from 4 I'm also a military physician Merrick. 5 retired. We learned about drills. We learned б about preparation. I lived in Oklahoma. I 7 lived in Texas. I lived through tornados. Ι 8 lived through earthquakes in Japan. I lived 9 through tornados in Texas. We never lost 10 power. We had multiple power companies. We 11 had powers -- power was always underground. 12 I would like to share with you my 13 experience with your company so you understand 14 what I went through. And I'm just a fraction 15 of what some of the people have gone through 16 and some of the legislators have articulated 17 it so well. 18 It was 1:20 in the afternoon on 19 Tuesday. I was in my house and I heard an 20 explosion and all of a sudden power went out. 21 I said okay. We knew a storm was coming. But 22 I had faith because you had informed me the 23 day before and said we have this app and if 24 you lose power you contact this app. So I 25 said great. I put it on my phone. I was

Sandy Review - 8-17-20
 ready. I had faith in you. I had confidence
 in you because I lost power for two and a half
 weeks during Superstorm Sandy. It was
 freezing cold. But I said this is the
 summer. That's okay. I had faith in you.
 Which failed.

8 So what happened is that my 9 neighbor started texting me and I looked and I 10 said what's going on? He said you have a live 11 wire on your roof that's sparking. I had just 12 put a new roof on a few years ago. I said oh 13 my God, we're going to have a fire. I ran out 14 and I saw this wire. It was sparking. It 15 went down the street. Immediately I started 16 contacting you. I couldn't get through by 17 phone. I tried texting you. That failed. I 18 called 911. I got a busy signal. I called 19 again and again. I called my neighbor. I 20 said Mark, keep trying to get through, I'm 21 trying to get the police. 22

I called the Seventh Precinct. I told them where I was. I said look, this is an emergency. There's a live wire in the street. As I said, I'm a ER physician and I'm

1 Sandy Review - 8-17-20 2 concerned about people's safety. What 3 happened is that the wires started bouncing 4 around because the wind started picking up. 5 This is the beginning of the storm. б Then the Seventh Precinct said 7 I just wanted someone to cordon this okay. 8 off so that nobody would get injured. Thev 9 never showed. 10 I called the fire department. The 11 fire department went sailing by my house. Ι 12 think there was another disaster down the 13 road. They didn't stop. Again I kept 14 trying. Again and again and again. And 15 fortunately, by the grace of God, this power 16 wire then eventually just went by the curb. 17 At that point the wind started picking up. 18 Branches started going. A chair literally, a 19 lawn chair, went by me. I said okay, I better 20 get in for my own safety. I said okay, it's 21 by the curb. We're just going to have to hope 22 by the grace of God it stays there. 23 I kept trying your company again 24 and again and again. Couldn't get through. 25 It kept saying the number's not working. I

Sandy Review - 8-17-20
tried the app again and again. And this went
on and on and on. I said okay, you know
what? It's going to work out. Power will be
restored.
The next day, the next day, the

7 next day. And like Legislator Lafazan, I
8 slept in my car. That was fine. It had a
9 sunroof. I was able to plug in. I was able
10 to get my phone. I still kept trying to get a
11 hold of you.

12 I actually drove down to your 13 company in Seaford on Merrick Road. I said 14 surely there will be people there. Because we 15 have a lot of seniors in our community. We 16 have a lot of veterans and we have a lot of 17 people that are disabled. I was in a 18 wheelchair for two years before I got 19 Through good surgeons who reconstructed. 20 basically have helped me. And I live by 21 myself. 22 I have been one of those people

that you talked about here such as Legislator
Kennedy, who represents our district. We have
so many people that rely on you.

1 Sandy Review - 8-17-20 2 You said we've got 1500 people, we 3 have 2,000 people. I have something on my 4 phone right now that talks about 4,000 5 workers. I'm like wow, this is great. Where б are they? You said they were on the north 7 shore. They weren't on the south shore. 8 Nobody saw a truck. We all kept saying where 9 are these people? 10 We understand there are problems. 11 But my wire wasn't brought down by a tree or a 12 limb because I've been through that already. 13 I already had a tree go through my house. Ιt 14 went through my neighbors over the past 15 years. I really don't have anything that's

affecting that. But there were trees, not the 16 17 branches and I must say your company has done 18 a wonderful job trimming the trees and taking 19 care of the wires. The problem was these 20 trees they've been there since I was a child, 21 I'm 68 years old, they flipped and brought the 22 sidewalk up with them. That was a problem. 23 But the thing is nobody saw 24 anybody. It seemed there was no action. То 25 answer your question because you didn't seem

1 Sandy Review - 8-17-20 2 to have the answers which was very troubling 3 to me to listen to this saying we'll get back 4 to you, we'll get back to you. 5 Madam legislator, you talked about б the poles. I have photos on my phone if you 7 would like to see. The poles they weren't 8 disturbed by the trees. They're literally 9 right angled. They snapped. And that was on 10 the south shore where trees were cut down. 11 There was nothing there but the pole snapped. 12 These are antiquated poles that have been 13 there since I was a kid. They do need to be 14 replaced. It's great to do the trimming of 15 trees and the wires but you got to replace the 16 pole. You got to be proactive. 17 This gentleman here, I can't see 18 your name, you had some wonderful points that 19 you brought up. I never heard about that 20 list. We have so many vulnerable people on 21 Long Island. They love Long Island. They

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stay on Long Island. You're a monopoly and

that's a problem. You're the only game in

understand Freeport and Rockville Centre have

town. If we have competition, and I

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1 Sandy Review - 8-17-20 2 their own power companies and they said they 3 never lose power, my recommendation to this 4 legislators is that we need to decentralize. 5 This way you're just going to take care of б Massapequa Park or the Massapequas if they 7 lose power. So you have people that are 8 concentrating in that area. 9 I'm disturbed to hear that you 10 don't have generators and that you don't know 11 the amount of generators this is troublesome. 12 LEGISLATOR FORD: Doctor I hate 13 to but can you wrap it up soon? 14 MS. PAULIS: What I'm saying is 15 preparedness. Did you have power? I'm just 16 kind of curious just for own edification, did 17 you have power where you lived? 18 MR. EICHHORN: I did, yes. 19 But you had so many MS. PAULIS: 20 of these seniors who couldn't get into lifts. 21 I have a lift in my basement because I can't 22 Stairs are very difficult for me do stairs. 23 to do. We need to take care of our community 24 and that means preparedness. And I would like 25 to see your commitment that you're going to

Sandy Review - 8-17-20
 come back to this legislature and say okay,
 this is what we're going to do now to fix
 these problems. I think you, as the head of
 the company, should go out to the communities
 and talk and have town hall meetings and speak
 to the people.

8 I have friends around Huntington 11 9 And your company -- the tree fell down davs. 10 into their backyard and a wire -- and it 11 electrified the backyard. They were told not 12 to go in there. The fire department came 13 because there were two fires. Your company 14 came and literally dragged the tree into their yard and left it there. This is an 85 foot 15 16 tree. These people are 80 years old. They 17 said well, it's their responsibility to take 18 it out. It wasn't their tree. It was the 19 next door neighbor's tree that was dragged 20 down and they sent me a video of the power men 21 bringing these trees down from an outside 22 company. They want to know what to do. I 23 said contact your legislator. Contact the insurance company. I think the legislator is 24 25 the first way to go.

1 Sandy Review - 8-17-20 2 But these are some of the things 3 you need come out to our community and listen 4 There are only 20 people that were to. 5 allowed in here but there are a lot of angry б people in the community. I want to see you 7 succeed and we want to see you work with our 8 community. Thank you. 9 LEGISLATOR FORD: Thanks for 10 coming down. Do we have any other speakers? 11 Yes sir. 12 MR. MCKENNA: My name is Kevin 13 McKenna. I am a Syosett resident and also the 14 founder of Town of Oyster Bay News on 15 Facebook. I appreciate the gentleman on the 16 right having the courtesy to turn around and 17 look at the prior resident speak. It's very 18 nice. 19 The point I want to make that is we 20 all realize that this storm was a terrible 21 storm. I happen to drive all over Long Island 22 during the day of the storm. You guys were

23 dealt a major, major blow with the amount of 24 trees that have come down. I drive Uber and I 25 saw every hamlet, especially in the Town of

1 Sandy Review - 8-17-20 2 Oyster Bay if not Nassau County. But what I 3 want to get to is the communications. 4 With the technology today that's 5 available, having spent 25 years in the б technology field, do you even need customers 7 to call you and tell you that there is a power 8 outage? 9 We have multiple MR. EICHHORN:

10 systems to identify when customers are out. 11 An individual customer if they don't have a 12 smart meter we do need them to call us. But 13 anything that's a transmission line, a 14 substation, a major circuit on a road we have 15 a system that sends us an alert when the 16 circuits trip out. Be equivalent if you 17 tripped a breaker in your house, an alarm went 18 off in your kitchen, we have that system. The 19 big problems we know about. The smaller 20 individual customers we do rely on them right 21 now to call us and notify us that they lost 22 power.

23 MR. MCKENNA: So is it an 24 advantage for all these customers to call you 25 and crash your system? Is that an advantage?

1	Sandy Review - 8-17-20
2	-
	Do you need them to call you?
3	MR. EICHHORN: We need the
4	individual customers to call us. In the
5	beginning of this storm we knew most of the
6	major damage just from our other systems that
7	we had reporting. So customers at that time
8	did not necessarily need to call us.
9	MR. MCKENNA: My point is, I
10	compliment a lot of the legislators that had
11	to play customer service rep. But what I
12	don't understand, this is directed at Nassau
13	County, Nassau County has an Office of
14	Emergency Management and I went on the Office
15	of Emergency Management website and I cannot
16	understand what the purpose of the Office of
17	Emergency Management is.
18	And my question to you gentlemen
19	is, what support, what coordination, what
20	preparation did you make with the Office of
21	Emergency Management and the Town of Oyster
22	Bay and the Town of Hempstead, who has public
23	safety departments. I did not see, with all
24	the traffic lights that were down, I didn't
25	police departments at traffic lights. The

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1 Sandy Review - 8-17-20 2 Town of Oyster Bay spends almost \$2 million a 3 year on a public safety department. The Town 4 of Hempstead's probably larger than that. Did 5 you prepare with those three entities that I б just mentioned? Beforehand did you sit down 7 with them and coordinate what assistance they were going to provide you in the event of a 8 9 catastrophe? 10 MR. EICHHORN: Yes. We have 11 multiple levels that we prepare. We place 12 individuals in the county EOCs. We do the 13 same for New York City in the Rockaways. 14 MR. MCKENNA: Sorry to interrupt 15 you. Could you be specific about what the 16 Office of Emergency Management of Nassau 17 County --18 LEGISLATOR FORD: Mr. McKenna 19 redirect over to here. 20 MR. MCKENNA: Ms. Ford, could you 21 explain to us what the purpose of Emergency 22 Management is and how they assisted these 23 gentlemen? Could you explain that? 24 LEGISLATOR FORD: We are going to 25 have the commissioner of Office of Emergency

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1	Sandy Review - 8-17-20
2	Management speak after this. So you can
3	direct that question to him. We will have a
4	representative from the Nassau County Police
5	Department as well as our DPW. So those
б	questions that would pertain to the county's
7	response and coordination in all fairness
8	MR. MCKENNA: When will that take
9	place?
10	LEGISLATOR FORD: Right after.
11	MR. MCKENNA: Fortunately for you
12	I will be gone.
13	LEGISLATOR FORD: If you want to
14	wait.
15	MR. MCKENNA: I can't. I have to
16	be somewhere. Lastly, I will just close up.
17	I'll end it right now. As I pulled into the
18	parking lot here, directly across the street,
19	on a side street across the street, when you
20	leave walk across the street and look at five
21	trees that are Nassau County trees that are on
22	top of your power lines across the street.
23	And I'd like to know at some point in time,
24	and I'm sure all the residents would, what is
25	Nassau County and the Town of Oyster Bay and

1 Sandy Review - 8-17-20 2 the Town of Hempstead doing to help you? 3 Thank you very much. 4 LEGISLATOR FORD: Thank you very 5 much. We have just one last speaker. Mayor б Spinosa. 7 MS. SPINOSA: Thank you Madam 8 Chairman and thank you to the members of the 9 legislature. My name is Teresa Spinosa. I'm 10 the mayor of the Village of Massapequa Park. 11 Representing over 10,000 residents. 12 First, I want to thank Legislator 13 Kennedy, he's our representative, for all the 14 work he did and the assistance he gave us 15 during the storm Isaias. As was mentioned 16 before, we have elderly residents. Over 30 17 percent of our population are elderly people. 18 During the storm it was very difficult. We 19 had Whitewood Landing that was out without 20 power for several days. Thanks to the 21 intervention of representative Kennedy and Kim 22 Kaiman, who became our best friend throughout 23 that whole period, we were able to get the 24 power restored but it did take two days. Some 25 of those residents are over 80, 90 years old

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1 Sandy Review - 8-17-20 2 and it's very difficult for them and scary for 3 them to be alone and to be in the dark for 4 that amount of time. 5 The one frustration as a village б official was that the municipal hotline 7 basically was not in effect the entire week. 8 Was just a busy signal the whole week. Т 9 understood that there was a complete crash of 10 the communication system. 11 Going forward, I think that all the 12 villages and towns should have one liaison 13 that's dedicated to them that can say mayor, I 14 have some good news and some bad news. This 15 Smith Street is going to be without power for 16 several days because of the downed trees. 17 Yes, we had extensive damage to our village. 18 Bordering the South Shore we're used to 19 storms. We lived through Sandy. Extreme 20 damage. Thankfully we didn't get the rain 21 that Sandy gave us so we didn't have the 22 flooding, which would have made the tree 23 situation much worse. We would have lost many 24 more trees. We had a lot of downed trees that 25 just pulled the power lines down and blocked

1 Sandy Review - 8-17-20 2 many of the streets. 3 We have a lot of first responders 4 as well in our village, so it was very 5 difficult for those folks to get out and get б to work. 7 But going forward I would just 8 welcome all the ideas that were presented 9 today and wish you luck. I really hope that 10 you hear all of our concerns and address them 11 and we want to work with you as a village and 12 as a community to improve whatever we can. 13 Thank you very much. 14 LEGISLATOR FORD: Thank you 15 ma'am. One last question. Legislator Rhoads 16 one question, right? 17 LEGISLATOR RHOADS: Just one last 18 question. Obviously in your opening statement 19 you said as a legislature we're entitled to 20 answers. I know that many of the questions 21 that we asked you could not answer because you 22 have to conduct your after-action review, 23 which is certainly understandable. In terms 24 of a time frame, do we think that that 25 after-action review, given the fact that we

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1 Sandy Review - 8-17-20 2 are in the middle of hurricane season right 3 now and that we could have a storm at any 4 point in time, is that after-action review 5 going to be done next week? б MR. EICHHORN: I can't give you 7 an exact date. I can tell you what we will do 8 as we identify the root causes and the fixes 9 we'll implement those immediately and we can 10 keep you up to date as to what we find as 11 opposed to making you wait months for a 12 report. 13 LEGISLATOR RHOADS: What I would 14 like to do is I'd love to, with the permission 15 of the chairwoman, I would love to have you back once you've completed that after-action 16 17 review or substantially completed that after-action review so we can get answers to 18 19 some of those questions. Some of which 20 weren't even asked just because of time and 21 I'm assuming that we can still submit 22 questions to you either via email or however. 23 What would be a good time for frame 24 for that to take place? Can we have you back 25 in three weeks? Can we have you back in a

1 Sandy Review - 8-17-20 2 month? When do you think you're going to have 3 a lot of those answers? 4 MR. EICHHORN: We are more than 5 willing to come back and talk to the б committee. What I would just ask is let us go 7 back and get a feel for when would be the most 8 available time to come back so we do have 9 answers for you and substance and not coming 10 back saying that we're just continuing with an 11 after-action review. 12 LEGISLATOR RHOADS: I appreciate 13 that but we know it's not going to be six 14 months from now, right? 15 MR. EICHHORN: No. 16 We think LEGISLATOR RHOADS: 17 within a month? Like I said, it's 18 MR. EICHHORN: 19 tough for me to say. A month doesn't sound 20 unreasonable but let me go back and we can get 21 you a date. 22 LEGISLATOR RHOADS: Because our 23 concern is, look, we've all got residents that 24 we represent. Between all of us we represent, 25 the 19 of us, all of the residents, 1.4

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1 Sandy Review - 8-17-20 2 million residents of Nassau County, we could 3 have a problem next week and there are issues 4 that need to be addressed, that need to be 5 addressed quickly and we just can't have it б sit out there for any indefinite period of 7 time. So we take your suggestion in good 8 faith but we would hope that sooner rather 9 than later we can have you back here and get 10 answers to some of those questions and see 11 what the plan is after you have been able to 12 complete your after-action review. 13 MR. EICHHORN: Understood. 14 LEGISLATOR RHOADS: Thank you Mr. 15 Eichhorn. 16 LEGISLATOR FORD: Thank you very 17 much for joining us. I just want to put a note on the record that town of North 18 19 Hempstead Supervisor Judi Bosworth did send a 20 letter to us echoing a lot of the questions 21 and concerns that many of the legislators 22 had. I just want to let everyone know that 23 she did reach out and I'm sure she probably 24 reached out to you as well. 25 And then we did receive a lot of

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1 Sandy Review - 8-17-20 2 emails from representatives part of the 3 Hamilton Park Civic Association as well as 4 others. 5 But I thank you. We will be б following up on this action report and in the 7 mean time we will be in touch with your 8 liaisons that interact with us. They have 9 been helpful in the past. I look forward to 10 making sure that we keep in touch with them 11 following along to find any updates as to any 12 improvements that you may be putting in right 13 away would be very good for us to know. 14 But I thank you very much gentlemen 15 for joining us and answering our questions as 16 best as you can and let's just pray that we 17 don't have too many storms coming in the near 18 future. Thank you very much. Stay healthy 19 and stay safe. 20 MR. EICHHORN: Thank you. 21 LEGISLATOR FORD: In about three

22 minutes we will have our representatives from 23 OEM, Nassau County PD and DPW up here. 24 Good afternoon gentlemen. Thank 25 you very much for attending today. I guess

1	Sandy Review - 8-17-20
2	we're going to start with the Nassau County
3	PD. From what I understand you don't have
4	prepared statements and that you're just open
5	to our questions, am I correct? Just identify
6	yourself for the record.
7	MR. LEAHY: Inspector William
8	Leahy. Currently assigned to the support
9	division working with OEM.
10	LEGISLATOR FORD: I guess you
11	heard the testimony. I'm sure that you were
12	here with PSE&G and some of the questions and
13	concerns that we had with PSE&G. And for me,
14	I think that one thing that stands out in my
15	mind is that I had received calls from
16	during the storm and after the storm with the
17	number of downed trees that were blocking
18	roadways.
19	I know that I reached out to my
20	precinct in the hopes of trying to get
21	officers out there to help direct traffic
22	because they were major roadways and because
23	of the enormity of the storm and damage that
24	was done even the high level officers,
25	superior officers, out in the streets

Sandy Review - 8-17-20
 directing traffic and we seemed to have a lack
 of personnel to be able to go out and stand by
 these places.

5 So, I think, for me, when the storm б was coming did we prepare to bring in any 7 additional resources, if necessary, say in 8 regard to the fact that maybe intersections 9 didn't have power or trees may be blocking 10 major roadways to maybe post officers there to 11 direct traffic? Did we bring in any 12 additional officers above and beyond what was 13 on call?

14 We follow our 120 MR. LEAHY: 15 hour coastal storm plan which we began to 16 evaluate on Friday as the storm came up and 17 worked its way up to coast. We take some preemptive actions and then we look at our 18 19 coastal storm plan. We were fully staffed for 20 this event. We did see an increased volume of 21 calls beginning on Tuesday night through 22 Wednesday. That 48 period we had over 17,000 23 calls with a peak on Tuesday at 2 o'clock of 24 2,000 calls in an hour. A large majority of 25 those storm-related calls. TSL, traffic

1	Sandy Review - 8-17-20
2	lights out, wires and trees down including
3	well checks. We do evaluate those.
4	We work with the officers to
5	evaluate those. If we do need to bring in
6	extra people we do shift and pull people out
7	of nonpatrol functions at that point. So we
8	will utilize extra officers that will go out
9	and assist and evaluate those things. It's
10	constant shift as those calls come in and
11	prioritized we move personnel.
12	LEGISLATOR FORD: Did it generate
13	like bringing any officers in on overtime in
14	response to this or did you just work with
15	what was on staff?
16	MR. LEAHY: That information I
17	don't have in front of me but I can get back
18	to you with that.
19	LEGISLATOR FORD: I appreciate
20	it. I know this was an enormous event. As
21	short lived as it was it really did a lot of
22	damage.
23	We heard about I guess even with
24	the 911 calls that people I guess were getting
25	busy signals. What is the plan moving

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1	Sandy Review - 8-17-20
2	forward? To me, nothing is more aggravating
3	and unsettling actually when somebody is
4	trying to call 911. I know that you were
5	overwhelmed because many people who could not
6	get through to PSE&G were dialing 911 in order
7	to report downed wires, maybe the trees or
8	whatever. People had trees that went into
9	their homes so the concern was there. But
10	moving forward what is the plan?
11	Because we saw that even with PSE&G
12	could not handle the influx of calls that they
13	had. What about us? We have to have
14	something so that the worst case scenario I
15	would think we need to take a look at the
16	response this past when it happened and how
17	many calls you got and maybe to improve the
18	system or build upon the system so they can do
19	maybe 20 percent more than what you received
20	at the high point. Any thoughts on that?
21	MR. LEAHY: Yes. We can
22	certainly evaluate that. We will continue to
23	evaluate after every storm we look at it after
24	action. We see what we can do. We do have a
25	plan for some surge but with this type of

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1 Sandy Review - 8-17-20 2 event and the catastrophic failure from the 3 PSE&G lines that was something we hadn't 4 experienced before. We do put them into the 5 queue. We answer all the calls that we can б eventually that are still there and we move 7 forward and categorize those. We do answer 8 the calls that we get. 9 LEGISLATOR FORD: Any other 10 legislators? Do you want to go to all of 11 them? They were just going to answer 12 questions. Legislator Mule. 13 LEGISLATOR MULE: Thank you. Ιf 14 a person gets a busy signal on a 911 call are 15 they supposed to hang up and dial again or you 16 mentioned something about a queue. So I'm 17 wondering are they supposed to stay online? 18 How does that work? 19 There's usually an MR. LEAHY: 20 automated line that tells them to hold on and 21 it will put them into the queue. 22 LEGISLATOR MULE: It's not a busy 23 signal per se? It's not the beep, beep, 24 beep? You hear a message; is that correct? 25 MR. LEAHY: Yes.

1 Sandy Review - 8-17-20 2 LEGISLATOR MULE: I'm going to 3 ask you the question that I asked PSE&G. To 4 your knowledge, did you ever have your system 5 crash so that you weren't able to get any 911 б calls? 7 I don't believe our MR. LEAHY: 8 system crashed. I can check and get back to 9 you with that but I don't believe our system 10 crashed. We didn't receive that information. 11 LEGISLATOR MULE: Thank you. 12 LEGISLATOR FORD: Legislator 13 DeRiggi-Whitton. 14 LEGISLATOR DERIGGI-WHITTON: Т 15 want to thank you also. Coming off of COVID 16 and this it's been a real test for everyone 17 and I appreciate your efforts. We were concerned, as I mentioned before, Legislator 18 19 Birnbaum and I especially, regarding traffic 20 signals. I know DPW we have a list of where 21 the lights are. Do we know if they're working 22 or not for each light? 23 MR. SCHNEIDER: Brian Schneider, 24 deputy county executive for parks and public 25 works. My understanding is that every signal

1 Sandy Review - 8-17-20 2 is back and functioning. 3 LEGISLATOR DERIGGI-WHITTON: But. 4 during an emergency like this do we have the 5 knowledge as to whether or not something is б online or not? 7 MR. SCHNEIDER: Yes, we do. We 8 have obviously our traffic management center 9 located at 1194 Prospect Avenue in Westbury 10 has direct continuity and communication with 11 each of those signalized traffic devices. So 12 we know when they go down. 13 And I'm just going to kind of 14 contest what Mr. Eichhorn had mentioned that 15 he was not aware or PSE&G was not aware of the 16 devices that were down. We were made aware 17 that their municipal portal went down in the 18 early afternoon and at 5:30 p.m. on Tuesday 19 they contacted just about every municipality 20 throughout Long Island to have a list of their 21 most critical needs sent to them. By 8:30 22 that evening we sent them our most critical 23 needs which included every downed traffic 24 signal location. So they were made aware of 25 that and we were then dealing with PD and

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1 Sandy Review - 8-17-20 2 Office of OEM about getting at least generator 3 power to the most critical locations as 4 quickly as possible. 5 LEGISLATOR DERIGGI-WHITTON: From б what I understood from the phone call, they 7 basically said there was no way of PSE&G to 8 track where the traffic lights were and 9 whether or not they were working correctly on 10 the grid. 11 MR. SCHNEIDER: They had that 12 information from DPW directly from numerous 13 people in DPW. Not only the commissioner sent 14 the list but we had our garage foreman 15 reaching out to their contacts. Because 16 basically once the municipal portal went down 17 everyone was kind of scrambling around trying to get the information, the critical 18 19 information to PSE&G as quickly as possible. 20 In many cases, just as many 21 residents had, making multiple phone calls 22 with no success. We finally did get through 23 and gave them that critical list of locations 24 where either signals were down or trees were 25 blocking roadways. So they had that

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1	Sandy Review - 8-17-20
2	information at 8:30 on Tuesday evening.
3	LEGISLATOR DERIGGI-WHITTON: I
4	don't doubt it at all. I'm wondering if
5	there's any way we could improve, I don't
6	know, I've been trying to think if there was
7	some type of legislation or something we could
8	do to have PSE&G really respond to all of
9	traffic lights. I know we have the
10	hospitals. We have everything else. But
11	maybe as a mom of two new drivers I couldn't
12	believe that it was still out. It was over 48
13	hours after the storm. It's Glen Cove Road
14	and Northern Boulevard.
15	MR. SCHNEIDER: Correct. We did
16	make an effort to get generators out to those
17	critical locations. And I just have to put a
18	caveat out there that it's not as simple as
19	pulling a generator out the truck and setting
20	it on the ground and starting it up. Making
21	the physical connection to the traffic control
22	box presents its own challengers. There are
23	phasing issues. It's not simple plug and
24	play. It's something that we rolled out for
25	this storm really for the first time at I

Sandy Review - 8-17-20

² believe a dozen locations.

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3 I did want to make note that 4 post-Sandy recognizing that flood-prone areas 5 along the south shore had particularly б susceptible traffic issues with downed 7 signals. We did get a grant from GOSR to 8 install the type of connections that would 9 make the ready connection of the generator 10 much more possible. That contract is actually 11 going to be coming in front of this body in 12 the next month I would say where we're going 13 to look at 122 specific locations all along 14 the south shore, those flood-prone areas, 15 where we can roll out generators with a very easy connection. Not manpower intensive. 16 The 17 only thing you have to do is gas up the generators. So that's going to be looked at. 18 19 Unfortunately, it's not going to be 20 looked at island-wide but it's really the 21 first step in protecting our infrastructure 22 and the residents going forward. 23 LEGISLATOR DERIGGI-WHITTON: Т 24 think that's great. I was wondering if there 25 was anything -- I think when I was a kid we

1 Sandy Review - 8-17-20 2 used to have if the traffic lights went out 3 there would be like a red light that would 4 blink. Because Locust Valley and some of our 5 areas are so dark and if someone isn't б familiar with the area they might not even 7 know there's a traffic signal that's supposed 8 to be in front of you. It's make for an 9 extremely dangerous intersection sometimes. 10 Do you know if we can go back to those? 11 MR. SCHNEIDER: My understanding 12 is that there are some of the newer pieces of 13 infrastructure, specifically the traffic 14 lights, when they do lose power they go into 15 like a flash mode. But that's something that 16 obviously we have thousands and thousands of 17 signals throughout the county. Not every 18 single one is the same type. So, it's an 19 interesting premise, and I think it would take 20 a little bit of time to get that lined up so 21 that if the power does go down something will 22 illuminate. But again, it's something that we 23 have to evaluate going forward. 24 MR. LEAHY: One of those

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challenges is some of those traffic lights are

1 Sandy Review - 8-17-20 2 not all Nassau County. They're town and state 3 traffic lights and different 4 responsibilities. So, New York State 5 Department of Transportation and INFORM take б over some of those major east-west roads and 7 we work with INFORM and the department of 8 transportation to try to get those, when 9 they're out, we work with them to try to get 10 them restored. But the traffic lights that 11 flash is when power is restored the box needs 12 to be reset to reset the timing. That's one 13 of the challenges. 14 Brian, I'm qlad LEGISLATOR FORD: 15 to hear that we're finally doing that. I was 16 going to ask because I know we were talking 17 about doing generators because in the south shore. But then thinking about some of the 18 19 intersections like on the north shore that may 20 not be under this GOSR grant, is it something 21 that we can look at moving forward? I know, I 22 agree, I'm not familiar with all the north 23 shore roads and a lot of them like I feel like 24 I'm in the country when I'm up there. You may 25 not always see the cross streets or whatever.

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1 Sandy Review - 8-17-20 2 Especially major intersections. Is it 3 possible to take a look at that and see if 4 there's something that we can maybe put into a 5 capital plan? б MR. SCHNEIDER: Yeah. T think in 7 speaking with the commissioner is something 8 that -- when I found out that it was only 122 9 along the South Shore and it was related to 10 that GOSR grant I think it's definitely 11 something that we should and we really need to 12 consider countywide. 13 Getting into the capital plan I 14 think is something that we would need to move 15 forward in 2021. 16 LEGISLATOR FORD: T know we have 17 other questions but Commissioner Morelli, I 18 know that with OEM we're all like intertwined 19 and everything like that. We get your updates 20 and thank you very much for the emails as we 21 are preparing for storms and everything like 22 Some of the concerns would be OEM's that. 23 responsibility or what actions they did prior 24 to the storm hitting and then afterwards. The 25 coordination I quess. Like trying to make

Sandy Review - 8-17-20

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sure that PSE&G was aware of like a lot of the situations that were happening within the county. Whether or not there were down trees or I guess you work with DPW and the police department with traffic signals and so forth. If you care to give us an update.

8 I'm Steven Morelli, MR. MORELLI: 9 commissioner from the Office of Emergency 10 Management. In aligning with what the 11 inspector said earlier, we also have a 120 12 hour plan which we had enacted and I had 13 notified both the administration, all 14 department heads, as well as the legislature 15 that we were going to be activating our 120 16 hour plan to let us know going forward. The 17 plan is available. I may have sent it out to some of you in the past but if not I can send 18 19 it again.

20 One of our concerns is going 21 forward and you know based on the amount of 22 weather briefs that I do send out and you're 23 all on the weather briefs we focus on the 24 weather on a regular basis. We keep an eye on 25 the storms like these two that just came up

Sandy Review - 8-17-20

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Josephine that dissipated and Kyle that came
and went. Again, named storms that are really
early in the season.

5 We are always on top of the б weather. As soon as the 120 hour plan was 7 activated we get to a point where we have to 8 make a determination whether or not the EOC is 9 going to be activated. And when we did get to 10 the point which I believe was at the 96th 11 hour, about four days out, all of our partners 12 were notified. The police department, the 13 fire marshal -- I'm sorry, the sheriff's 14 office, the ambulance bureau. We have folks 15 from Department of Public Works, Department of 16 Health. We reach out to NICE bus, the MTA, 17 the Long Island Railroad because transportation is a major player. And we did 18 19 have conversations and we did reach out to 20 both National Grid and PSE&G. 21 We invite them all. Once we told 22 them that the EOC would be activating, we 23 would be opening up at four p.m. I believe on 24 the Monday prior to the storm, so we were

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going to have a full activation. We were

1 Sandy Review - 8-17-20 2 notified by them that they were going to be 3 doing it virtual. When they do it virtual 4 it's because they either a staffing issues or 5 other concerns. COVID is still a very big б concern. A lot of people are hesitant to 7 enter into an environment that has that many 8 people in those close quarters. We do 9 understand that. We did have constant 10 communication with PSE&G on a regular basis. 11 Again, most of the time we sit in 12 support of all the other agencies that are out 13 there, whether they're county agencies, 14 private organizations or anybody that is going 15 to need some support based on what we have the 16 capability to provide to them. 17 We reach out to the towns and 18 villages and we have a robust communication 19 with both towns, villages and the two cities 20 here in Nassau County. So our communication 21 is very good with our partners. 22 The concerns are what their 23 concerns actually end up being. Whether it's 24 road closures or outages or it's a utility 25 failure. We do everything we can to field

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Sandy Review - 8-17-20
 that, to support that and to reach out to the
 people who are going to be able to mitigate
 that.

5 LEGISLATOR FORD: Speaking with б PSE&G it seems like one of the biggest 7 challenges we had with this storm and 8 afterwards is the communications. Everybody 9 wants to know what's going on. They want 10 their voices to be heard. We used to have 11 emergency management meetings. We'd go out to 12 the public and people would come and we do 13 presentations to prepare them for incidents 14 such as these. I know then I quess New York 15 State took them over because then we went to 16 something different.

17 MR. MORELLI: New York State did 18 some of them. Me personally I was going out 19 and doing them myself and one other gentleman 20 from my office. He happens to be out with my 21 surgery. As COVID came along we were 22 handcuffed in what we were able to do. And 23 again, the message that we try to get out 24 there, I know the county executive has gone 25 out and gone on record with trying to give

1 Sandy Review - 8-17-20 2 people the best advice possible. It's the 3 same advice we give them every year. What to 4 do in preparation for, during and post event. 5 LEGISLATOR FORD: Do we have any б meetings I guess, because I know when I used 7 to have all these meetings and I quess like 8 everybody was concerned about seniors that --9 we talk about seniors that are in nursing 10 homes or assisted living. But in my area we 11 have a lot of seniors that are still at home. 12 They have small little cottages or whatever. 13 We're always nervous like who's going to watch 14 out for them? We try to keep an eye on our 15 neighbors. Those that have special needs, or 16 whatever.

17 I know that people had asked if 18 there was a way of coordinating and trying to 19 get a list so that even we can help out 20 whether or not through the fire department or 21 the police department or whatever, so that 22 we're aware of who are the people who may be 23 on oxygen or may need to make sure if PSE&G 24 can't reach them to make sure that they're 25 okay that we can send personnel out to check

Regal Reporting Service 516-747-7353

1 Sandy Review - 8-17-20 2 on these people. Is there any way of being 3 able to accomplish this? 4 You make a very MR. MORELLI: 5 good point in that the volunteer fire service б is fantastic when it comes to that. Being in 7 the volunteer fire service now 39 years, we do 8 have a tremendous outreach with our 9 constituents, with the people that we 10 protect. And I know most if not all of the 11 volunteer fire departments do that as well. 12 They're best to handle certain aspects of 13 that, the one or two individuals within their 14 Everybody should be presenting communities. 15 that information to PSE&G. And I know it 16 seems kind of antiquated how we are able to 17 get on the list so to speak, but then again 18 there's a lot of people and it's not to say 19 that somebody's emergency is worse than 20 another. 21 I received 35 phone calls at my own 22 home from people in my own community. My air

23 conditioning is out. So is mine. That's all
24 I can offer you. There's only so much we can
25 do. We can offer you emergency shelter in a

1 Sandy Review - 8-17-20 2 hotel, which a lot of people said I don't want 3 to go to a hotel. I understand that. But 4 beyond that, all we can do is to work with the 5 utility as well. б We did receive a lot of phone calls 7 in our office. We did have three primary 8 liaisons that we dealt with PSE&G and they 9 were all very receptive. But all they could 10 do is take the information from us and whether 11 it was critical or not they could escalate 12 it. That one more time did not guarantee that 13 they were going to get service. 14 LEGISLATOR FORD: Do we have 15 emergency generators that we can also loan out 16 to facilities? I know that Legislator 17 Lafazan, Woodbury Gardens a group of seniors 18 that were without power. Do we have any type 19 of backup systems that we can provide --20 MR. MORELLI: We do have generators yes -- I'm sorry. 21 They're 22 generally not for residential. Should there 23 be a consideration or concern that is something that we will work, I promise you, we 24 25 will work out. We do have a number of

1 Sandy Review - 8-17-20 2 circumstances where I did have one woman call 3 me up. She has what they call an LVAD, it's a 4 left ventricle assist device. It is 5 essentially her beating heart that's on a б device. She explained to me her batteries are 7 running low. I said to her one of two 8 things. I'll pick you up and bring you to a 9 hospital or we can bring you to the volunteer 10 fire department. We'll do something to get 11 your battery charged. I'm not going to let 12 that happen. 13 But again, when somebody calls and 14 says that they have no air conditioning or 15 their food is spoiling we're not going to do that. But we do have very large sized 16 17 generators which we provide to -- early in the 18 storm we received a call from Rockville 19 Centre. Their power was down. I know we said 20 earlier that Rockville Centre has their own 21 power. They are fed by PSE&G. PSE&G shut 22 them down and the restart failed. Once the 23 restart failed they couldn't get anything.

My father-in-law is an 82 year old man with cancer. We had to walk him down six

Sandy Review - 8-17-20

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2 floors to get out of his senior building to
3 get him to my son's home in Freeport where he
4 had power.

5 We brought a generator to Rockville 6 Centre. The primary objective of that 7 generator was their water supply. Their water 8 system. Once that goes down it affects not 9 just water supply but sanitation as well. So 10 it becomes a bigger issue, a bigger health 11 issue.

12 That generator was in place by 13 about 11 p.m. and they had power restored by 14 PSE&G about 11:15. So it goes to the amount 15 of work that goes into it to get the power to 16 them.

17 We also had an incident in Glen 18 Cove where four of their five pumps went 19 down. They reached out to us. The first 20 thing we did was we found the biggest 21 generators that we could, got it up to Glen 22 Cove, had them all hooked up and everything 23 established. Again, they had power returned 24 shortly.

We have plenty of generation when

1 Sandy Review - 8-17-20 2 it comes to critical infrastructure. Let me 3 take that back. We don't have plenty. We 4 have generation when it comes to critical 5 When it comes to residential infrastructure. б not really. 7 It's more than just saying can you 8 bring a generator. To lot of people say 9 that. It's being able to connect that 10 generator to something. Unless there is 11 transfer box attached to the building you 12 can't just put a generator there. You have to 13 have something that's going to attach to the 14 building and take over the power supply from 15 the utility to the generator which will 16 generate the building. Those are costly and 17 those are not something that we provide. 18 That's something that the actual facility --19 So, to Legislator Lafazan's point, 20 I don't know if your facility would be able to 21 handle something to that point. That's not to 22 say that it's something they couldn't look at 23 My advice to anybody in that further. 24 position that has a constituency at that point 25 I would say that's something they should look

1	Sandy Review - 8-17-20
2	at. I made the point to my father-in-law's
3	building because this is the third or fourth
4	time in a village with their own power supply
5	that he's lost power that me in the next town
б	didn't. So I made the point it's a senior
7	citizen building, that's six floors, they
8	should have some way of generating their own
9	power. At least to get these folks out.
10	LEGISLATOR FORD: At least for
11	the elevators. At least one elevator. You're
12	not even asking if there's three elevators.
13	One elevator, just have it working.
14	MR. MORELLI: I agree.
15	LEGISLATOR FORD: That to me is
16	terrible.
17	My question for Brian. In regard
18	to the county facilities, I mean, obviously
19	you lost power in some of the facilities. But
20	do we have do you provide generators for
21	the county facilities?
22	MR. SCHNEIDER: Most of the
23	critical infrastructure all have backup
24	generators. For the I think vast, vast
25	majority none of the county governmental

1 Sandy Review - 8-17-20 2 buildings lost power. There are, however, 3 county facilities located in parks that did 4 lose power that are not on emergency 5 generation. б I will give you an example. 7 Cantiaque Park pool lost power. North 8 Woodmere pool lost power. And that pool leaks 9 a little bit. So, we lost a little bit of 10 water in there. Also the amount of debris 11 that was blowing in those facilities we needed 12 to shut down those facilities for a couple of 13 days just to do cleanup. 14 But for the most part all critical 15 governmental buildings did not lose any power 16 because they have emergency generation. 17 We do have an issue at Museum Row. The Cradle of Aviation specifically. 18 There 19 are bad feeder cables coming from a substation 20 located on Commercial Avenue. So right now 21 the Cradle is operating on an emergency 22 generator that we installed there on Friday 23 and it's going to take a couple of weeks to 24 completely replace all the bad feeder cable 25 that were quite frankly very old. Just the

1 Sandy Review - 8-17-20 2 power surges and the continually on and offs 3 that were occurring through trying to get the 4 power back just damaged those cables beyond 5 repair. б We're also having similar issues up 7 at Sands Point Preserve where that building 8 needs to operate on an emergency generator. 9 So yes, the bottom line answer is we do have emergency generators that we can 10 11 install at these associated facilities but the 12 bottom line is that all the critical 13 governmental buildings did not lose power or 14 service. 15 LEGISLATOR FORD: Legislator 16 Rhoads. 17 LEGISLATOR RHOADS: Thank vou 18 Madam Chairwoman. Commissioner Morelli, one 19 of the things that you mentioned kind of 20 bothers me a little bit and it's not having 21 anything to do with OEM necessarily, but the 22 whole idea behind having the emergency 23 operation center -- I've been there during a 24 storm response -- is to have representatives 25 from every agency and representatives from

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1 Sandy Review - 8-17-20 2 every utility there so that you don't have to 3 pick up the phone and try and reach out to 4 your contacts at PSE&G. Somebody from PSE&G 5 would be there in the EOC so that you can б reach out to them when you have an issue. So 7 you can coordinate your traffic signals. You 8 can coordinate your police response. You can 9 coordinate with Verizon. You can coordinate 10 with -- the whole idea behind it is 11 everybody's sitting, a representative is 12 sitting in the same place at the same time so 13 that you don't have these issues of trying to 14 reach out to other people. Did we make the 15 EOC available to them? Which I understand 16 from your response we did, right? 17 Yes, absolutely. MR. MORELLI: 18 As I said, once we notified all the players, 19 PSE&G and National Grid included, we let them 20 know the EOC was going to be open and there's 21 a position for them to be seated in the EOC 22 with us. 23 LEGISLATOR RHOADS: And they 24 opted not to --25 MR. MORELLI: Like I said, they

1 Sandy Review - 8-17-20 2 at the time chose to work remote or to work 3 virtual which was going to be easier for them 4 at the time. 5 It didn't LEGISLATOR RHOADS: б work obviously. 7 MR. MORELLI: Within about two 8 days there was representation in there, the 9 EOC, from PSE&G. They did come about two days 10 later. That was primarily just -- I don't 11 want to say it was customer service but for 12 the most part it was us forwarding them 13 information with respect to outages that we 14 were hearing or live wires that were down and 15 whatnot. Additional calls from people that 16 have lifesaving equipment or life-support 17 equipment rather and having them escalate the 18 information there. But it wasn't to the 19 degree that we had seen in the past where 20 there was an engineer there with a map to that point, no. 21 22 LEGISLATOR RHOADS: Even for the 23 simple exchange change of information it 24 becomes critical to have them there. 25 MR. MORELLI: I agree.

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1 Sandy Review - 8-17-20 2 LEGISLATOR RHOADS: Is there a 3 way for us to be able to compel them to send a 4 representative when the EOC is activated? 5 MR. MORELLI: I agree it would be б a terrific idea. And as the folks from PSE&G 7 also noted, their after-action report I'm 8 anxious to see as well. But we are also 9 completing our own after-action report which 10 we do after any activation to that point. 11 That will be a very big focus of it the fact 12 that -- we tried to get Optimum and Altice. 13 They didn't arrive. Verizon didn't arrive. 14 I can make the compelling argument 15 unless there's something that's going to 16 mandate them I don't know beyond a good 17 argument. But we did have communication both 18 with their emergency preparedness compliance 19 leader and a number of folks within their EOC 20 that were operating with us virtually. 21 I was on several conference calls 22 with their administration and government 23 officials as well trying to make those 24 points. Most of those calls were just a lot

²⁵ of people saying we're still having outages

1 Sandy Review - 8-17-20 2 here, we're still having outages there or them 3 just following up on what the outage map was 4 dictating to us. 5 But beyond that I agree with you. б That's a very strong point. Something that we 7 will work to improve next time around, which I 8 hope doesn't come any time soon. 9 LEGISLATOR RHOADS: Right. We 10 should all hope that. Can you get us a list 11 of who typically is supposed to have a seat at 12 the table when the EOC is --13 MR. MORELLI: Absolutely. I can 14 do that. 15 LEGISLATOR RHOADS: 16 activated. Who actually bothered to show up 17 and who didn't so we can at least have that 18 information? 19 As I said, I can MR. MORELLI: 20 forward you the 120 hour plan which includes 21 all that as well as I can give you a schematic 22 of the EOC itself, the emergency operation 23 center itself and who has a seat where. 24 LEGISLATOR RHOADS: Great because 25 I would love to follow-up with PSE&G and

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1 Sandy Review - 8-17-20 2 Altice. And when we're talking about 3 communications problems if we can't talk to 4 each other --5 MR. MORELLI: I agree. б LEGISLATOR RHOADS: -- that makes 7 it infinitely more difficult. 8 In terms of the 120 hour plan, at 9 any point in that 120 hour plan, at any point 10 in that 120 hour plan was there a decision 11 whether to open or not to open shelters? 12 MR. MORELLI: Yes. We looked 13 into the sheltering plan at the very 14 In dealing with the National beginning. 15 Weather Service, the American Red Cross, we 16 determined from their perspective -- we just 17 support the shelters. We don't actually open 18 the shelters ourselves. These are directives 19 given by the Red Cross at the insistence of 20 the Red Cross. We support them in that we 21 will stock them with the cots and linens that 22 they're going to need and whatever else 23 they're going to need. Especially at this 24 point now personal protective equipment. 25 But as the storm was being examined

1	Sandy Review - 8-17-20
2	and as the storm was being watched by both the
3	National Weather Service and the Red Cross
4	there was no determination whether shelters
5	should be opened because we weren't going to
6	see surge, we weren't going to see that high
7	tidal period and the idea that we were going
8	to see that amount of water that would be that
9	bad wasn't there. So the decision was not to
10	open shelters.
11	LEGISLATOR RHOADS: Who
12	ultimately made that call or was it a
13	collaborative effort?
14	MR. MORELLI: It was pretty much
15	a collaborative effort. It's between the Red
16	Cross, the weather service, my office, the
17	administration. As we said, we took a look at
18	all of this. Let me backtrack. I want to
19	take the administration out of that because
20	they're just going to follow the lead that we
21	have but there was no indication that shelters
22	needed to be opened.
23	LEGISLATOR RHOADS: Obviously
24	there wasn't going to be significant storm
25	surge. We knew that going in. But we knew

1 Sandy Review - 8-17-20 2 there would be sustained wind and gusts to the 3 point where we did anticipate that there would 4 be some power outages. I don't know that we 5 anticipated the extent of the power outages б but we knew there was going to be some. 7 As part of that 120 hour plan, do 8 we ever consider opening at least one shelter 9 for some critical care -- individuals that 10 have critical care needs to get access to a 11 place that has power so that they can, you 12 know, recharge a wheelchair or, you know, had 13 their oxygen machine going or there's some 14 place that they can go if they can't stay 15 where they are? 16 Aqain, as I said, MR. MORELLI:

17 the Red Cross pretty much is in charge of the Their decision was that there were 18 shelters. 19 no shelters needed. Should we have to open an 20 emergency shelter in each legislative district 21 there is a trailer that contains 100 cots and 22 linens and whatnot. Should we have to open an 23 emergency shelter somewhere it could be done 24 pretty fast.

25 But as I said, there was no real

1 Sandy Review - 8-17-20 2 need for that at the time. We didn't see any 3 need. Again, based on the list that we were 4 seeing as far as the outages that were coming, 5 most of it was just power. There were no real б hazards and no real no risks that people were 7 in jeopardy. And if we needed to, we did have 8 about 150 hotel rooms available should people 9 need to be removed from their homes for even a 10 day or two. If they needed them we could have 11 had these folks relocated to a safer 12 environment. 13 LEGISLATOR RHOADS: How did we 14 communicate that information to residents? Τn 15 other words, it's great to have them but if 16 people don't know we have them. 17 MR. MORELLI: Understood. As we 18 do during the winter with Warm Bed and during 19 the summer with Cool Bed, that's one of the 20 ways that -- and I'm not dumping it now on the 21 Department of Social Services, but they're the 22 ones that help with emergency housing. 23 LEGISLATOR RHOADS: Okay. 24 MR. MORELLI: What we can do, and 25 this is something that's actually in the

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1 Sandy Review - 8-17-20 2 works, we're just waiting to have it approved 3 from -- we have to have communications take a 4 look at it -- is a mailing that we do every 5 year to give folks some of the points. Ι б don't want to say it's rote information but 7 it's pretty much the same information every 8 year. As well as some points and some tips on 9 what they can do to keep themselves prepared. 10 We warn everybody please at least be prepared 11 for three to five days. While we hate the 12 idea of that, to be prepared for three to five 13 days and to make some of these arrangements 14 ahead of time.

15 Should you know a storm is coming 16 and you're in a position where you have a 17 piece of life-sustaining equipment and your 18 battery may not hold out for a period of time, 19 I'm not saying that it's your responsibility 20 or my responsibility, but it's somebody's 21 responsibility to make sure that that's 22 addressed. 23 Our office the phone is there 24

24 hours a day. We're available to help give
25 people any measure of advice, give any measure

1	Sandy Review - 8-17-20
2	of advice, give any measure of information
3	with respect to what they can do in an
4	emergency. It doesn't necessarily have to be
5	a storm. It could be for anything. Should
6	they have a problem we are always there to be
7	able to direct them in the right direction.
8	LEGISLATOR RHOADS: Obviously as
9	part of the EOC Social Services would have
10	been there and was there
11	MR. MORELLI: Yes.
12	LEGISLATOR RHOADS: at the
13	EOC? So they would have access to
14	MR. MORELLI: Yes.
15	LEGISLATOR RHOADS: to that.
16	I'm curious though whether it's
17	more cost effective to put people in hotel
18	rooms versus having one specific central
19	location where everybody can go, but.
20	MR. MORELLI: Speaking from
21	someone who slept on an army cot in storms
22	like this I wouldn't put any elderly person on
23	that. It's nothing but a piece of very tight
24	canvass. To put somebody on that thing for an
25	extended period of time listen, this is

1 Sandy Review - 8-17-20 2 just me spitballing here, if you have somebody 3 that can't afford the hotel here's my credit 4 I don't want to see anybody suffering. card. 5 LEGISLATOR RHOADS: We don't б provide the rooms? 7 No, I'm just making MR. MORELLI: 8 the point. I'd be happy to take care of it if 9 somebody had an issue. The point is the rooms 10 are available. Should somebody need a hotel 11 room they are available. 12 LEGISLATOR RHOADS: But we will 13 actually put them up in a hotel room? 14 MR. MORELLI: Yes. 15 LEGISLATOR RHOADS: Where we 16 don't expect them to --17 MR. MORELLI: No. We're not asking for their card. I'm just being smart. 18 19 LEGISLATOR RHOADS: In terms of 20 generators and other assets, in advance of the 21 storm did we relocate any of those assets to 22 critical areas that we thought might be at 23 risk? 24 MR. MORELLI: As far as 25 generators go it's not so much that they can

1 Sandy Review - 8-17-20 2 be relocated anywhere. Again, a facility has 3 to be ready to receive a generator. A school 4 has to be able to accept a generator if you're 5 going to make it a shelter. One of the б critical locations such as the water plant in 7 Glen Cove, such as what they had in Rockville 8 Centre, it has to be ready to receive a 9 generator. So it's not that we can just put a 10 generator in town. 11 LEGISLATOR RHOADS: We're not 12 talking about an 8500 watt generator you can 13 plug into your --14 MR. MORELLI: We do have a number 15 of generators. But one more time, what are we relocating them for? If it's to power up one 16 17 of the street lights that we were talking 18 about, again, a lot of that came from the 19 state and we do have generators that we can do 20 that but you can't foresee those things. 21 LEGISLATOR RHOADS: Those are 22 small Generac generators thought, right? 23 We're not talking about the big generators? 24 MR. MORELLI: Well right now we 25 have 53 good size generators and about 108

1 Sandy Review - 8-17-20 2 portable generators. When I say portable 3 they're the ones that you see at the fire 4 houses with the light that flips up on them. 5 The Honda generator. But a bunch of good б sized Generac generators that we do have. 7 LEGISLATOR RHOADS: T didn't know 8 if in advance of the storm we relocated some 9 to Cedar Creek so that they would be on the 10 south shore if we needed them on the south 11 shore. I'm speaking in particular of the 12 example that I gave with Empire Hose Company. 13 Whether we might have been able to provide a 14 generator there if we were aware of the issue 15 a little earlier. 16 If they're able to MR. MORELLI: 17 receive generation and we have a critical infrastructure list here that's got almost 18 19 1200 locations here in Nassau County. 20 LEGISLATOR RHOADS: Great. Anv 21 chance we can share that with PSE&G because --22 This is their list. MR. MORELLI: 23 LEGISLATOR RHOADS: So they had 24 that information? 25 1189 different MR. MORELLI:

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1	Sandy Review - 8-17-20
2	locations where we have and most firehouses
3	are on there. Most village police departments
4	are on there. A lot of village halls.
5	And again, it's not so much just
6	send me a generator. It's are they ready to
7	receive a generator. Is it going to be big
8	enough for their needs as well.
9	And we did relocate one high axle
10	vehicle to Island Park. They generally have
11	an issue with respect to flooding. So we
12	wanted to make sure I know they do have
13	one. We did send them another in the event
14	that they had to evacuate some of their
15	residents.
16	LEGISLATOR RHOADS: In terms of
17	the obviously there were several
18	intersections that were out of power. Two
19	that come to mind are Merrick Avenue and
20	Sunrise Highway and Merrick Avenue and Merrick
21	Road, which were out for a substantial period
22	of time. I think three or four days if I'm
23	not mistaken. As far as I know, the
24	generators weren't sent to that location. I
25	was curious as to why, one.

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Sandy Review - 8-17-20

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2 But two, in the absence of a 3 generator at that location we also didn't have 4 a police officer there directing traffic. 5 Those are pretty major intersections where б leaving people to their own devices as to 7 whether or not they can safely make a turn 8 onto Merrick Road from Merrick Avenue or try 9 and cross Sunrise Highway from that location 10 it's a pretty big gamble. 11 Did we not have, one, why was there 12 no generator? Two, did we not have enough 13 manpower to be able to place a police officer 14 at that location? I think it's Sunrise 15 Highway which blocked off the ability to make 16 a left-hand turn from Sunrise either 17 northbound or southbound on Merrick Avenue. 18 But if you were trying to get out off of 19 Merrick Avenue onto Sunrise or Merrick Road 20 good luck. 21 MR. LEAHY: That is a state 22 That would be a New York State road. 23 Transportation. They would be responsible for 24 that.

25 LEGISLATOR RHOADS: But popping a

1 Sandy Review - 8-17-20 2 police officer there is our responsibility. 3 MR. LEAHY: Depending on the 4 calls for service and what their priorities 5 are, they can get pulled off depending on what б it is. What we try to do is work with DPW to 7 create roundabouts. We've done that in the 8 Take left-turn lanes past. Put barrels up. 9 out. Everybody makes a right and then 10 mid-turn you will have the opportunity to make 11 a U-turn and continue to make a right turn. 12 LEGISLATOR RHOADS: Did we bring officers in on overtime? 13 14 I said I would check MR. LEAHY: 15 to make sure but I will check when I get back. 16 LEGISLATOR RHOADS: That's 17 something that we would typically do if we 18 were short, right? 19 We have a full MR. LEAHY: 20 staff. We make sure we're fully staffed for 21 these events. We make sure that the units 22 that would be doing other things are pulled in 23 to the response mode. That we have extras on 24 the road. We pulled resources at the height 25 of the storm and 2 o'clock in the afternoon we

Sandy Review - 8-17-20

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2 had 2,000 calls for service in an hour.

3 LEGISLATOR RHOADS: Obviously if 4 we thought that either for calls for service 5 or to protect an intersection you thought that 6 it was necessary to have somebody you'd called 7 them.

8 We have brought them MR. LEAHY: 9 in when the outage is extended. That's some 10 of the importance of being able to have 11 somebody inside OEM. Somebody to have that 12 open line of communication. That 13 communication failure presents challenges for 14 us and for communications bureau when we're 15 trying to evaluate manpower allocations. So 16 it does present some challenges. But we do 17 bring people in to address that. 18 LEGISLATOR RHOADS: Just so I'm 19 correct in my understanding Deputy County 20 Executive Schneider, you did mention that 21 PSE&G was provided with the traffic outage? 22 MR. SCHNEIDER: Yes. As of 8:54 23 on Tuesday evening. 24 LEGISLATOR RHOADS: Thank you.

25 LEGISLATOR FORD: Any other

1 Sandy Review - 8-17-20 2 legislators? Thank you very much gentlemen. 3 Commissioner Morelli, when you're 4 going to send out this year about emergency 5 preparedness I guess can you let us know when б you're going to send it out and hopefully you 7 maybe can include not so much the hotel rooms 8 but how about, which I learned just from 9 talking back here, is that people who have I 10 guess oxygen machines, whatever, correct me if 11 I'm wrong my emergency people, that somebody 12 can come to the house and like provide power 13 for it or something like that or regenerate --14 what is it? Like give power. Maybe restore 15 the power to the backup generator or to the 16 oxygen machine they can just power it up so 17 that the backup will work and stuff like that 18 so the oxygen will work. Am I saying that 19 To charge it up. It's been a long riaht? 20 couple of weeks. Thank you very much. Thanks 21 for staying around. 22 MR. MORELLI: That's generally

not something that we do. But my point being
 is if you're having a situation to that point,
 again, of widespread outages, I'm not going to

Sandy Review - 8-17-20
 be able to solve. Should an individual have
 that point we would do everything we can to
 get them back up and running. That's the
 point that I will make when that brochure goes
 out.

7 LEGISLATOR FORD: Also I quess 8 even coordination with 911 so that if people 9 are in need of housing for some odd reason 10 that we are able to identify those people and 11 then perhaps have them work with OEM to see if 12 they should be placed in a hotel. People may 13 not have registered but all of sudden they 14 find themselves -- they just came out of the 15 hospital and they need this equipment or their medicine or whatever, just anything to make 16 17 sure that we can keep them safe during any 18 type of storm.

MR. MORELLI: That additional registration information with respect to PSE&G and any other utility as well, and again it goes even just beyond that to Altice and Verizon as well. Because of the fact that some people do have the button. That phone is out the buttons aren't going to be able to

Sandy Review - 8-17-20
 activate. That information will also go into
 the brochure so they're able to address those
 needs specifically with the utility.
 LEGISLATOR FORD: Thank you. And

6 we will be following up with PSE&G to ask them 7 why they weren't up at the OEM center and why 8 they did not acknowledge that they had the 9 list of all the traffic signals during this 10 hearing. But thank you very much. Everyone 11 thank you for --

LEGISLATOR RHOADS: Last question. I got the instructions to hurry up so I will. Do you have the opportunity once you guys do your after-action report, your own analysis of OEM's response, do you have the opportunity to communicate with PSE&G and suggest changes?

19 MR. MORELLI: Absolutely, yes. 20 LEGISLATOR RHOADS: One of the 21 things that Legislator DeRiggi-Whitton had 22 mentioned was that you had crews coming in 23 from out of state that came in from out of 24 state that had no direction as to where they 25 were supposed to be going. Clearly that's a

1 Sandy Review - 8-17-20 2 failure in leadership on PSE&G's part. 3 Obviously we operate under NIMS. There would 4 never be a situation where on the emergency 5 response side that you would have outside б agencies coming in that wouldn't know who to 7 report to --8 That wouldn't have MR. MORELLT: 9 direction. 10 LEGISLATOR RHOADS: There has to 11 be instruction. Can you work with them on 12 that? Would they accept that input from us? 13 MR. MORELLI: We can certainly 14 breach the topic and offer whatever we can. Ι 15 agree with you there does have to be some 16 better coordination. We had people actually 17 calling our office saying that the trucks are 18 in front of their house and they don't have 19 the supplies or they haven't been told what to 20 do. Again, most of these folks were from out 21 of state. That's certainly something that we 22 can put together or at least -- we meet with 23 the folks from PSE&G, believe it or not we 24 meet with them regularly and we have regular 25 communications with their emergency

1 Sandy Review - 8-17-20 2 preparedness leader, Brendan Beebe. There's 3 no reason in the world why we can't breach 4 this topic with them and see if we can't 5 collaboratively do something to help mitigate б that problem. I agree with you. LEGISLATOR RHOADS: 7 Even with 8 their Clear to Call -- Clear to Clear list in 9 coordinating with the town and the county as 10 far as whether a road is safe to clear or a 11 condition is safe to clear, again, having 12 somebody physically in the EOC would have been 13 helpful. 14 MR. MORELLI: Very helpful. Ι 15 agree. 16 I appreciate LEGISLATOR RHOADS: 17 the follow-up. Thank you. 18 LEGISLATOR FORD: Thank you 19 everyone. Have a good afternoon. Thank you 20 very much legislators and everybody else in 21 the audience. 22 (Committee adjourned at 1:29 p.m.) 23 24 25

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2	CERTIFICATION
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4	I, FRANK GRAY, a Notary
5	Public in and for the State of New
6	York, do hereby certify:
7	THAT the foregoing is a true and
8	accurate transcript of my stenographic
9	notes.
10	IN WITNESS WHEREOF, I have
11	hereunto set my hand this 25th day of
12	August 2020
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16	FRANK GRAY
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