

February 12, 2021

VIA ELECTRONIC MAIL

Luly E. Massaro, Division Clerk
Rhode Island Division of Public Utilities and Carriers
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket D-11-94 - Review of Preparedness and Restoration Efforts by the State's Electric Utility Companies Related to Tropical Storm Irene November 15, 2020 Storm Summary Report

Dear Ms. Massaro:

In accordance with Order No. 20814 (November 20, 2012) in Docket D-11-94, I have enclosed an electronic version¹ of National Grid's² summary report on the planning and restoration activities associated with the November 15, 2020 storm event. Order No. 20814 directs National Grid to file a final written report with the Division within 90 days following major storm events. The Company is providing Appendices B through E to the storm summary report in Excel format.

The November 15, 2020 storm event likely will qualify for inclusion in the Company's Storm Contingency Fund. Accordingly, the Company is filing this storm summary report simultaneously with the Rhode Island Public Utilities Commission in Docket No. 2509.

Thank you for your attention to this transmittal. If you have any questions, please contact me at 401-784-7263.

Very truly yours,



Andrew S. Marcaccio

Enclosures

cc: Linda George, Division
John Bell, Division
Greg Booth, Division
John Spirito, Esq.
Christy Hetherington, Esq.
Leo Wold, Esq.

¹ Per practice during the COVID-19 emergency period, the Company is providing a PDF version of the storm report referenced above. The Company will provide the Division with one hard copy and, if needed, additional hard copies of this report at a later date.

² The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

National Grid

The Narragansett Electric Company

**Report on
November 15-16, 2020 Event,
Damage Assessment and
Service Restoration**

February 12, 2021

Docket No. 2509

Submitted to:
Rhode Island Public Utilities Commission

Submitted by:

nationalgrid

Table of Contents

I. EXECUTIVE SUMMARY	1
II. INCIDENT ANTICIPATION.....	2
A. Determination of Incident Classification	2
B. Activation of Incident Command System (ICS).....	2
III. THE STORM AND ITS IMPACT	3
A. Forecast.....	3
B. Impact	4
IV. RESTORATION.....	6
A. Timing and Priority of Service	6
B. Restoration Coordination.....	7
C. Personnel Resources	7
V. COMMUNICATIONS DURING AND AFTER THE EVENT.....	8
A. Communication Regarding Estimated Times of Restoration.....	8
B. Intra-Company.....	9
C. Public Officials	9
D. Customers	10
E. Media.....	11
VI. TECHNOLOGY ISSUES.....	11
VII. CONCLUSION	11

**REPORT ON BEHALF OF
THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID
ON THE NOVEMBER 15-16, 2020 STORM DAMAGE ASSESSMENT AND SERVICE
RESTORATION EFFORTS**

I. EXECUTIVE SUMMARY

The Narragansett Electric Company d/b/a National Grid (the “Company”) presents the following report on the planning and restoration activities associated with the November 15-16, 2020 Storm (“November 15-16, 2020 Storm” or the “Storm”), which impacted Rhode Island and other states in the northeast. For pre-planning purposes, the Company classified the Storm as a National Grid Type 4 emergency event for Rhode Island, meaning that the Company estimated that restoration activities generally would be accomplished within a 24-hour period and the event typically would result in up to seven percent of customers interrupted. The Storm was projected to bring a strong cold front moving through the area creating a threat for some rain and gusty thunderstorms which potentially could cause significant damage to the Company’s electric infrastructure. Ultimately, the Storm brought a brief period of heavy rain and damaging winds across Rhode Island and parts of Massachusetts. Rhode Island generally received up to one-half of an inch of rain. Maximum wind gusts were in the 45–50 mph range in eastern parts of the state and along the coast. The Storm interrupted power to 12,123 (approximately 5,765 at peak) of the Company’s customers. Overall, just under two-and-a-half percent of the Company’s customers in Rhode Island experienced outages, with 33 of the 38 communities served in Rhode Island impacted.

The Company began preparing for the Storm on Saturday, November 14, closely monitoring the severity of the weather forecast as it increased to include a threat for some gusty thunderstorms, bringing an elevated risk for hazardous wind gusts. During that day and the next, the Company continued to review the weather forecasts and prepare for the possibility that the Storm would impact the Company’s electric distribution system in New England. As part of its response to the Storm, the Company opened Branch Storm Rooms for its Capital and Coastal districts at approximately 6:00 p.m. on Sunday, November 15. The Company also opened its wires-down room later that evening. The Company conducted its only Pre-Event Stage Briefing Call on Sunday, November 15, at 4:00 p.m. The Company followed its Emergency Response Plan and mobilized employees and contractors for the restoration using a damage forecast based on its experience in previous storms. As part of its preparation efforts, the Company also utilized contractors from outside the Company’s service territory to help with restoration. Using its own crews and contractor resources, the Company restored power to 100 percent of its customers impacted in approximately 22 ½ hours from the time of the first customer impacted and in approximately 19 hours from the time of peak impact. Power was restored to the final customer impacted by the Storm on November 16, at approximately 6:30 p.m.

The Company is grateful for the support of customers, employees, state and local officials, and public safety officials, who experienced the effects of the November 15-16, 2020 Storm and were an integral part of the Company’s restoration efforts.

II. INCIDENT ANTICIPATION

A. Determination of Incident Classification

As set forth in the Company’s Emergency Response Plan, factors considered in initially establishing or revising the expected incident classification level included the following:

- Expected number of customers without service;
- Expected duration of the restoration event;
- Recommendations of the State Planning Section Chief, Transmission and Distribution Control Centers, and other key staff;
- Current operational situation (such as number of outages, resources, and supplies);
- Current weather conditions;
- Damage appraisals;
- Forecasted weather conditions;
- Restoration priorities;
- Forecasted resource requirements; and
- Forecasted scheduling and pace of restoration work crews.

The New England Incident Commander is primarily responsible for establishing the projected and actual incident classification level for the Storm. See Table 1 below for the November 15-16, 2020 Incident Classification Actions.

Table 1. Incident Classification Actions

Action Performed	Date and Time
New England Incident Commander Named	November 14, 2020; approx. 7:30 a.m.
Initial Event Classification Type - 4	November 15, 2020; approx. 7:40 a.m.

B. Activation of Incident Command System

The Company utilizes the Incident Command System (“ICS”), a component of the National Incident Management System, which is a comprehensive national approach to incident management applicable at all levels of the Company’s Emergency Response Organization (“ERO”) and addresses the operation of Company Emergency Operation Centers (“EOCs”). The ERO required to implement the emergency procedures is activated employing a flexible and standardized management structure. Upon declaration of an emergency, the required EOCs are staffed accordingly. Briefings are conducted with the ERO at the System, State, and Branch Level to maintain situational awareness and relay the specifics of the emergency. See Table 2 below for the November 15-16, 2020 Storm ICS Actions.

Table 2. ICS Actions

<u>Actions Performed</u>	<u>Date and Time</u>
Pre-Event Stage Briefing Call	November 15, 2020; 4:00 p.m.
Branch Storm Room opened in Providence for Capital district	November 15, 2020; approx. 6:00 p.m.
Branch Storm Room opened in Providence for Coastal district	November 15, 2020; approx. 6:00 p.m.
Branch Wires Down Room opened in Providence	November 15, 2020; approx. 7:00 p.m.

See Appendix A for a copy of the briefing minutes.

C. Determination of Crew Needs and Pre-Staging

Given the potential magnitude of the Storm and forecast of precipitation and hazardous winds, the Company secured crews in advance from its contractors of choice and other outside contractors to support restoration efforts for all New England as part of its regional preparation for the Storm, consistent with its Emergency Response Plan.

See Appendix B for a daily accounting of resource staffing levels from pre-event through complete restoration. Appendix B indicates the number, type, and location of planned resources (in accordance with the Emergency Response Plan designated Event Type), and the number, type, and location of actual resources secured. Appendix B also specifies whether the resources are internal, external contractors, or resources acquired through a mutual assistance agreement.

III. THE STORM AND ITS IMPACT

A. Forecast

The Company monitors the weather forecast obtained from its weather provider, DTN, through detailed emails received three times daily. Throughout the day, the Company also monitors the forecast from various weather websites.

On Friday, November 13, the weather forecasts predicted that a strong cold front would move into the area Sunday evening into early Monday morning, increasing rain chances and bringing a threat of hazardous wind gusts. Peak wind gusts were expected to be in the 35-42 mph range. By Saturday afternoon, November 14, the threat for some gusty thunderstorms was added to the forecast, including peak wind gusts of 55 mph associated with those thunderstorms. Forecast rainfall was predicted to be as high as three quarters of an inch. On Sunday, November 15, the forecast peak wind gusts associated with those thunderstorms was raised to 60 mph, and the expected rainfall remained the same. This forecast remained essentially the same as the event began to impact the Company's service territory later that night.

B. Impact

The November 15-16, 2020 Storm was a significant weather event that resulted in some damage to the Company’s electrical system. The Storm brought a line of thunderstorms with heavy rain and hazardous wind gusts to portions of the Company’s service territory. Eastern and especially coastal areas experienced wind gusts in the 45–50 mph range, with Providence experiencing a peak gust of 51 mph. The Towns of South Kingstown and North Smithfield were affected most heavily with approximately 27 and 29 percent of their customers impacted by the event, respectively. See Table 3 below for the November 15-16, 2020 Storm impact.

Table 3. Storm Impact

Total Customers Impacted	12,123
Peak Customers Impacted	5,765
Date and Time of Peak	November 15, 2020; 11:40 p.m.
Date and Time Final Customer Was Restored	November 16, 2020; 6:37 p.m.
Number of Municipalities That Experienced Interruptions	33
Number of Distribution Feeders That Experienced Interruptions	44

Figure 1 below shows the number of customers interrupted and restored, by hour, for the period of November 15 - 17, 2020.

Figure 1

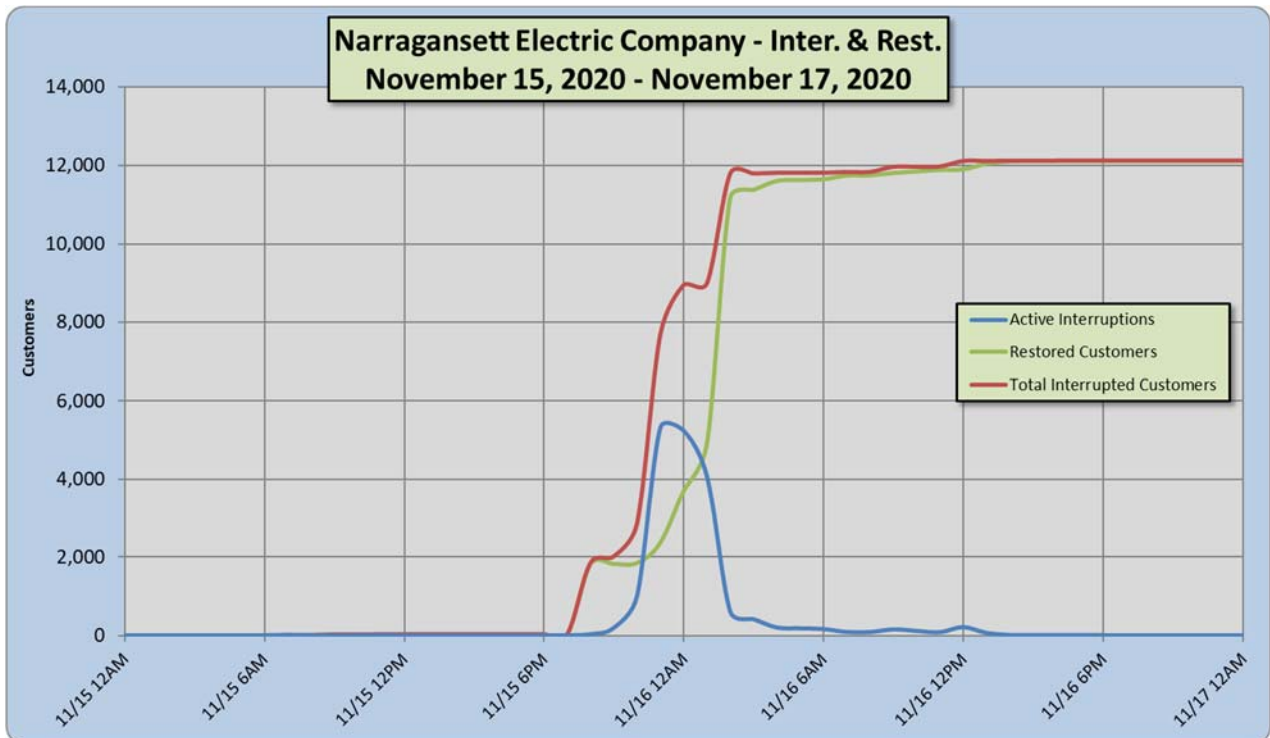


Figure 2 below shows all municipalities that experienced interruptions during the Storm.

Figure 2

Town Name	Customers Served	Total Customers Interrupted	Percent of Total
BARRINGTON	6,867	41	0.60%
BRISTOL	10,453	125	1.20%
CHARLESTOWN	5,829	34	0.58%
COVENTRY	14,339	199	1.39%
CRANSTON	31,777	60	0.19%
CUMBERLAND	15,417	37	0.24%
EAST GREENWICH	6,176	4	0.06%
EAST PROVIDENCE	22,326	10	0.04%
EXETER	3,035	166	5.47%
FOSTER	2,042	74	3.62%
GLOCESTER	4,670	71	1.52%
HOPKINTON	3,946	309	7.83%
JAMESTOWN	3,332	5	0.15%
JOHNSTON	13,806	152	1.10%
LINCOLN	10,241	321	3.13%
LITTLE COMPTON	2,584	122	4.72%
MIDDLETOWN	8,345	129	1.55%
NARRAGANSETT	10,608	196	1.85%
NEWPORT	14,909	4	0.03%

Town Name	Customers Served	Total Customers Interrupted	Percent of Total
NORTH KINGSTOWN	13,751	67	0.49%
NORTH PROVIDENCE	16,135	733	4.54%
NORTH SMITHFIELD	5,888	1,728	29.35%
PORTSMOUTH	9,241	445	4.82%
PROVIDENCE	74,233	23	0.03%
RICHMOND	3,567	47	1.32%
SCITUATE	4,631	4	0.09%
SMITHFIELD	9,042	4	0.04%
SOUTH KINGSTOWN	14,824	4,069	27.45%
TIVERTON	8,264	26	0.31%
WARWICK	40,494	117	0.29%
WEST GREENWICH	2,734	63	2.30%
WESTERLY	14,484	1,659	11.45%
WOONSOCKET	18,920	1,374	7.26%

The following sections contain additional details and context regarding the Company's Storm restoration efforts.

IV. RESTORATION

A. Timing and Priority of Service

The Company implemented the system of prioritization for restoration found in its Emergency Response Plan, focusing first on public safety and then on customer restoration that maximized restoration when lines were energized. The Company gave priority and consideration to critical facilities and concentrated efforts to restore service to any life support

customers the Company was aware of who were impacted by the Storm as quickly as conditions warranted.

See Appendix C for a timeline of the storm progression, including the hour and date that constitutes the start of restoration and the hour and date that constitutes complete restoration. Hourly chronological restoration assessment in this appendix includes number of customers out (in executable format) for the Company's Capital and Coastal regions, the total system, and each feeder affected.

See Appendix D for a summary of number of customer outages at peak and customer outage minutes, by cause, for the Company's Capital and Coastal regions.

See Appendix E for a specific list of all outages, in executable format, that includes detailed information for each outage. Also included in Appendix E is a listing of all outages caused by tree conditions as well as data regarding asset replacements for this event.

B. Restoration Coordination

The Company dispatched crews to respond to outages from the Capital and Coastal Branch Storm Rooms in Providence as soon as they opened (see Table 2 above) through the end of the Storm. Consistent with the Emergency Response Plan, the Company activated Police and Fire Coordinators for the Storm. These employees reported to the Storm Room Leads and were responsible for communicating the estimated times of arrival on all police and fire calls, with a standby condition noted.

The Company also established a Staging Site to support restoration across the state, as shown in Table 4 below.

Table 4. Staging Site

<u>Staging Site Location</u>
Community College of Rhode Island, Warwick

Task Force teams were not activated for this event.

C. Personnel Resources

The Company secured a total of 222 internal and external field crews¹ to restore power to customers in Rhode Island, consisting of approximately 117 external crews and 105 internal crews. The internal and external field crew numbers included transmission and distribution overhead line, forestry, substation, and underground personnel.

¹ Crews typically include two or three people, although there may be some one-person crews in damage assessment, wires down, distribution line (troubleshooters), and substation personnel. Transmission crews typically include 6-10 resources.

See Appendix B for a daily accounting of resource staffing levels from pre-storm through complete restoration.

The State Incident Commander for National Grid's Rhode Island and Massachusetts electric distribution operating companies was able to obtain sufficient external contractor crews to supplement restoration efforts in New England. No additional assistance was required from companies in the North Atlantic Mutual Assistance Group ("NAMAG") to support restoration for this event. Resources requested through mutual assistance are based on anticipated needs across National Grid's service territory in Rhode Island and Massachusetts; total resources received then are allocated across the service territory and may be reallocated as restoration progresses depending on resource needs. In addition, mutual assistance resources allocated to one area may free up local or external contractor crews to be allocated to other areas. For the November 15-16, 2020 Storm, no mutual assistance was requested.

D. Safe Work Practices

Safety is always at the forefront of Company operations, including and especially during activities associated with storm restoration. For each storm event, the System and Regional Incident Command System structures designate a lead position for a Safety, Health, and Environment Officer. Safety messages are delivered on all calls to heighten awareness during preparation and restoration.

As with any storm, for the November 15-16, 2020 Storm, the Company assembled a safety team with area responsibilities, established the reporting hierarchy, and prepared and communicated organization charts. The safety team prepared safety notices and delivered them to all Company employees through corporate communications. Safety personnel were deployed to assist in specific geographic areas and delivered on-site safety orientations to Company workers and contractors prior to the start of each day. During the Storm, safety personnel visited work sites to advise Company personnel and contractors of safety issues and best practices. In addition, prior to the start of each new job, the work was reviewed by assigned crews, with a focus on safe working conditions for the specific job. These safety efforts helped the Company experience no injuries during the November 15-16, 2020 Storm. The Company also notes that planning and response were performed taking into account COVID-19 safety protocols.

V. COMMUNICATIONS DURING AND AFTER THE EVENT

A. Communication Regarding Estimated Times of Restoration

The Company posted Estimated Times of Restoration ("ETRs") on its website during the November 15-16, 2020 Storm using Outage Central, which provided real time ETR updates approximately every 15 minutes.

As crews were assigned and reported ETR updates based on their actual findings in the field, the Company uploaded the updated ETRs into Outage Central. The Company continued to update ETRs throughout the restoration process as information became available to the Company.

B. Intra-Company

The Company began preparing for the November 15-16, 2020 Storm on Saturday, November 14, closely monitoring weather forecasts. See Table 2 above for details on the Briefing call conducted for this event. Additionally, the Company issued communications to field crews with both restoration and safety information throughout the Storm.

C. Public Officials

1. Governor’s Office

During the Storm, the Company’s Jurisdictional President communicated regularly with the Governor’s office. Additionally, the Company’s Director of Government Relations communicated with Rhode Island’s legislative leadership leading up to and during the Storm.

2. Rhode Island Public Utilities Commission (“PUC”), Division of Public Utilities and Carriers (“Division”), Office of Energy Resources (“OER”), and Rhode Island Emergency Management Agency (“RIEMA”)

The Company’s Manager of Regulatory Affairs contacted the PUC, the Division, the Governor’s office, and OER to provide updates throughout the November 15-16, 2020 Storm. See Table 5 below for a listing of updates along with a brief summary of the update provided.

Table 5. Updates to the Division and OER

Date and Time of Update	Summary of Update Content
November 14, 2020; approx. 9:15 a.m.	Initial notification of possible event; weather forecast; the Company will continue to watch the forecast and adjust plans as needed
November 15, 2020; approx. 10:00 a.m.	Weather forecast update; Event Type declaration; planned Storm Room opening; Life Support and Critical Facility calls placed
November 15, 2020; approx. 4:30 p.m.	Added that the Company has secured external resources to support restoration efforts; added second Storm Room opening
November 16, 2020; approx. 8:20 a.m.	Recap of overnight restoration; customer outage update; municipality most heavily impacted; final update

During the event, the Company’s Jurisdictional President provided updates to RIEMA regarding the Company’s storm preparations and restoration efforts. The Company also utilized its RIEMA Liaison to post outage number updates virtually on RIEMA’s WebEOC and answer questions throughout the event.

3. Municipalities

Based on the impact from this event, the Company opened a virtual Municipal Room on Sunday, November 15, at 8:00 p.m. The Company utilized its Area Community Liaison Coordinators to work with each Rhode Island city or town’s emergency, Department of Public Works, and/or public officials as a dedicated liaison. The Company’s Area Community Liaison Coordinators served as full-time resources supporting impacted communities and enabled direct communications back into the Company’s public information coordinators and Branch operations personnel.

D. Customers

The Company communicated with customers during the November 15-16, 2020 Storm through its Customer Contact Center, email, website, and social media. The Company’s Customer Contact Center secured additional staffing to respond to incoming life-support calls for those affected by outages, as well as additional staff to support the high call volume.

On Sunday, November 15, 2020, at approximately 9:00 a.m., the Company made an outbound call to all life-support customers to notify them of the upcoming weather and to recommend taking necessary precautions and preparations to ensure their well-being in the event of an outage. The outbound call also informed life-support customers to contact 911 or their local public safety officials in the event of an emergency.

See Table 6 below for a detailed listing of each method of communication utilized throughout the November 15-16, 2020 Storm.

Table 6. Communication Details

<u>Method of Communication</u>	<u>Purpose of Interaction</u>	<u>Level of Interaction</u>
<u>Report Outage/Outage Follow-up</u>		
Number of Customer Calls Received by Customer Service Rep	Customer reports outage or issue	463
Number of Customer Calls Received by Interactive Voice Response (IVR)	Customer reports outage or issue	357
Number of Customer Calls Received by 21 st Century	Customer reports outage or issue	12
Number of Outbound Calls to Life Support Customers, Type 3 Event or greater	Company follow-up with Life Support Customers impacted by an outage	Not Applicable, this was a Type 4 Event
<u>Automated Outage Updates</u>		
Number of Inbound and Outbound Text Messages	Outage notification, update, or update request from customer	3,726

<u>Method of Communication</u>	<u>Purpose of Interaction</u>	<u>Level of Interaction</u>
Number of emails sent	Outage notification, update, or update request from customer	20,101
Number of outbound calls made	Outage notification, update, or update request from customer	62
<u>Web and Social Media</u>		
Number of customer hits on Company website during preparation for, and response to, the event	Customers seeking information	24,461
Number of Facebook posts	Company preparation for the event, safety information, restoration updates	2
Number of tweets/re-tweets posted on Twitter	Company preparation for the event, safety information, restoration updates	18

E. Media

The Company activated its Public Information Officer (“PIO”), along with additional PIO support staff for the Storm. The Company engaged both traditional and social media channels to distribute Storm and safety-related information. The Company’s Strategic Communications Department received one media request for information related to the November 15-16, 2020 Storm in Rhode Island. Feedback and comments from media outlets and social media were received and monitored regularly, and overall sentiment was generally neutral.

VI. TECHNOLOGY ISSUES

There were no technology issues experienced during this event that impacted restoration or communications.

VII. CONCLUSION

The November 15-16, 2020 Storm impacted the Company’s electrical system, resulting in power outages to 12,123 of the Company’s customers. Damage was caused primarily by falling trees and limbs coming into contact with the Company’s poles and wires. The Company followed its Emergency Response Plan and was fully prepared to respond to the Storm, having secured all necessary resources and outside contractors to aid in the restoration effort required for the forecast predicted, and maintained communications with stakeholders through a variety of channels throughout the Storm.

The Company utilized its own distribution line resources and transmission line crews, contractor distribution line crews, and contractor tree crews to restore power to its customers. Power was restored to 95 percent of customers impacted in just under 4 hours from the time of

peak impact. The Company restored power to 100 percent of its customers impacted in approximately 22 1/2 hours from the time of the first customer impacted and in approximately 19 hours from the time of peak impact. Power was restored to the final customer impacted by the Storm on November 16, at approximately 6:30 p.m.

The Company understands the impact that electrical outages have on its customers. The Company is proud of the restoration work that it accomplished during the November 15-16, 2020 Storm and is grateful for the support of customers, employees, state and local officials, and public safety officials, who experienced the effects of the Storm and were an integral part of the Company's restoration efforts.

National Grid New England States Pre- Event Stage Briefing Agenda

MEETING INFORMATION			
Date:	11/15/20	Time:	1600
Call Details:	MS TEAMS		

KEY MEETING PARTICIPANTS			
D = Delegate X = in attendance			
Name	Present	Name	Present
State Incident Commander/Mike McCallan	X	IT Event Lead/Fran Di Leonardo	X
State Operations Section Chief/		SERP Lead, Wires Down/Mark Correia	X
South Shore Branch Director/Jeff Merritt	X	SERP Lead, Damage Assessment/Elton Prifti	X
Southeast Branch Director/Jeff Merritt	X	State Planning Section Chief/Ryan Constable	X
North Shore Branch Director/Jeff Faber	X	State Logistics Section Chief/Jorge Sousa	X
Merrimack Valley Branch Director/Jeff Faber	X	State Liaison Officer/Carlos Nouel MA Regulatory Liaison – Lynne Nadeau RI Regulatory Liaison –	X
Central/West Branch Director/Kevin Peltier	X	State Public Information Officer/Danielle Williamson	X
Rhode Island Branch Director/Mike Hrycin	X	Customer Contact Center Lead/Ricardo Jaramillo	X
External Line Resource Lead/Manjola Cronstrom	X	State HR Section Chief/	
SERP Lead, Forestry/Seth Bernatchez	X	State Finance Section Chief/	
Transmission Restoration Lead/ Andrew Schneller	X	State Safety & Health Officer/Bob Preshong	X
Substation Lead/Bob Brawley	X	State Environmental Officer/Pete Harley	
Control Center Lead/Mike Gallagher		State Security Officer/John Jackson	X
SERP Lead, Storm Rooms/Kevin Hellmuth	X	Emergency Planning Support/Jane Becker	X
<i>SERP Lead = State Emergency Response Process Lead</i>			

#	Agenda Item														
1	<p>Safety Message – State Safety & Health Officer</p> <ul style="list-style-type: none"> ➤ We have had a few recent storms, might start to seem routine; when we start thinking past routine is when we are not working together, focus and be your coworker’s keeper; approach tasks like it is the first time you are doing them 														
2	<p>Weather Forecast – State Incident Commander/DTN Representative New England</p> <p>SYNOPSIS: A strong cold front moves into the area this evening into early Monday morning, increasing rain chances and bringing a high threat for some gusty rain/thunderstorms. Mainly dry conditions settle in early Monday, but near-hazard wind gusts remain possible through the day. Breezy conditions continue Tuesday, but winds are expected to be below hazard-levels. Some rain/snow showers may also occur through the day both Monday and Tuesday. Dry and breezy weather continues Wednesday through Thursday.</p> <p>WIND IMPACT SUNDAY: Strong winds and wind gusts will occur across the region late this afternoon through overnight tonight.</p>														
<table border="1" style="width: 100%; border-collapse: collapse; background-color: #333; color: white;"> <thead> <tr> <th style="width: 15%;">REGION</th> <th style="width: 15%;">TIMING</th> <th style="width: 15%;">SUSTAINED WINDS</th> <th style="width: 10%;">% EEI-2 SUST WIND</th> <th style="width: 10%;">COMMON GUSTS</th> <th style="width: 10%;">PEAK GUSTS</th> <th style="width: 15%;">EEI-2/3 GUST CHANCES</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REGION	TIMING	SUSTAINED WINDS	% EEI-2 SUST WIND	COMMON GUSTS	PEAK GUSTS	EEI-2/3 GUST CHANCES							
REGION	TIMING	SUSTAINED WINDS	% EEI-2 SUST WIND	COMMON GUSTS	PEAK GUSTS	EEI-2/3 GUST CHANCES									

National Grid New England States Pre- Event Stage Briefing Agenda

Nantucket	7pm Sun-3am Mon	S to WSW at 20-35 mph	30%	35-45 mph	45-55 mph	80%/20%
Eastern MA/RI	8pm Sun-2am Mon	SSE to WSW at 15-30 mph	15%	30-40 mph	40-50 mph	70%/10%
Western MA	3pm Sun-12am Mon	ESE to WSW at 15-27 mph	-	30-40 mph	40-45 mph	60%/-
Western NH	5pm Sun-12am Mon	SE to WSW at 14-25 mph	-	27-36 mph	36-45 mph	50%/-

WIND IMPACT MONDAY: Near hazard gusts remain possible through the daytime hours Monday.

REGION	TIMING	SUSTAINED WINDS	COMMON GUSTS	PEAK GUSTS	EEI-2 GUST CHANCES
Nantucket	9am-6pm Mon	W at 14-28 mph	20-30 mph	30-40 mph	30%
Rest of Region	9am-5pm Mon	WSW at 10-22 mph	20-30 mph	30-38 mph	20%

THUNDERSTORM IMPACT SUNDAY NIGHT: A short window of gusty thunderstorms will be possible this evening.

REGION	TIMING	T-STORM CHANCES	LIGHTNING	T-STORM GUSTS	EEI-2/3 GUST CHANCES
Western MA	8pm-11pm Sun	40%	Low	40-60 mph	70%/20%
Western NH	8pm-11pm Sun	30%	Low	40-55 mph	50%/10%
Salem/Merrimack Valley/North Shore	11pm Sun-1am Mon	20%	Low	40-55 mph	50%/5%
South Shore/Southeast/RI/Nantucket	10pm Sun-2am Mon	30%	Low	40-60 mph	60%/10%

3 **NE State Incident Commander**

- **Define the Operational Period**
 - 5:00pm tonight until 7:30 tomorrow am
- **Provide overview of the Emergency activities; current size and complexity**
- **Declare Event Level for both MA and RI**
 - Type 4 MA, 3% or 35,000 customers for 24 hours
 - Type 4 RI, 7% or 35,000 customers for 24 hours
- **Identify Branches affected**
 - Storm Rooms will open in **North Andover, Brockton, and Providence.**
- **Identify State EOC status and position activation**
 - The State EOC will not be activated but will be ready of needed.
- **Establish Emergency Objectives**
 - **Zero Safety Incidents during the event.**
 - Zero injuries, switching incidents and RTC's for all employees and contractors.
 - Zero injuries to the Members of Public.
 - Respond to Wires Down with Police and Fire Standing by
 - Successfully on-board all new external resources prior to assigning work.
 - Establish and maintain effective communications with all customers and regulators during the event.
 - **Follow all NATIONAL GRID COVID PROTOCOLS.**

- Must prioritize the work to be done
- Work closely with Muni Rooms and Community Liaisons
- Utilize the Zone approach if necessary

4 **State Operations Section Chief (not activated)**

5 **Branch Directors**

- **MA Merrimack Valley and North Shore Branches - North Andover and Malden**
 - Muni Room will open at 6 pm tonight

National Grid New England States Pre- Event Stage Briefing Agenda

- WD will open first thing Monday morning
- Have coverage on for tonight

- **MA South Shore Branch – Brockton and Hopedale**
 - Southeast and Nantucket dispatching will stay with the Control Room
 - Have coverage on for tonight
 - Muni Rooms open 7pm tonight in Hopedale and Brockton
 - Community Liaisons are on Stand By
 - WD Rooms will open at 7:00 am tomorrow in Hopedale and Brockton
 - Have a tree crew on Nantucket

- **MA Central/West Branch – Worcester**
 - Have coverage on for tonight
 - WD Room will be ready to open tomorrow morning at 7 am if needed
 - Storm Room and Muni Room will also be ready to open tomorrow morning if needed

- **Rhode Island Branch – Providence**
 - Have coverage on for tonight
 - WD will be monitoring tonight
 - Muni Room opening

6 External Line Resource Lead

- Incremental crews:
 - 7 crews from Matrix secured earlier today were pulled back
- Total contractor crew count:
 - 167 contractors secured:
 - 42 On-Property COC crews
 - 125 Incremental contractor crews
 - 114 ready to work tomorrow morning
 - Remainder arriving tomorrow
- Division re-allocation:
 - 7 contractor crews from RI were re-allocated to SS
- Updated ETA's
- Turned away 44 Canadian contractor crews due to COVID issues

We are working on the remainder of the RCS assignment, crew sheet processing. Reports will be sent out with any updates throughout the day.

Please see below summary by:

a) Method of securing

Received From	Resources	Crews
On Property	94	42
Direct Contact	331	125
Mutual Aid	0	0
Total:	425	167

National Grid New England States Pre- Event Stage Briefing Agenda

b) Division Allocation

Staging Site	Resources	Crews	Buckets	Diggers
MA - Central	31	13	13	3
MA - MV	36	12	12	3
MA - NS	27	13	13	3
MA - SE	19	5	5	2
MA - SS	86	32	32	8
MA - West	33	11	11	4
Rhode Island	193	81	81	15
Total:	425	167	167	38

7 **SERP Lead, Forestry**
146 crews total, 109 were on property, 37 incremental

Forestry Summary		Crew Counts		Incremental Crews		Total Crews	
		Dist	Trans	Dist	Trans	Dist	Trans
New England	Coastal	18	0	0	0	18	0
South Division	Capital	8	1	10	0	18	1
	Southshore	13	0	14	0	27	0
	Nantucket	0	0	0	0	0	0
	Southeast	21	4	0	0	21	4
	NE South Total	60	5	24	0	84	5
New England	Central	15	4	7	0	22	4
North Division	Western	15	0	0	0	15	0
	Merrimack	14	2	0	0	14	2
	Northshore	5	0	6	0	11	0
	TBD / Granite	0	2	0	0	0	2
	NE North Total	49	8	13	0	62	8
New England Total		109	13	37	0	146	13

8 **Transmission Restoration Lead**

- 3 crews will be on tonight: (1) on the M13/L14, (1) on the Q143/R144, (1) on the Hull H1 and H2
- Service Restoration crews available if needed

9 **Substation Lead**

- All set

10 **Control Center Lead**

-

11 **SERP Lead, Storm Rooms**

- Both North Kingstown and Providence Storm Rooms will be open in RI

12 **IT Event Lead**

- Ready to go

National Grid New England States Pre- Event Stage Briefing Agenda

13	SERP Lead, Wires Down <ul style="list-style-type: none"> ➤ RI WD Room will open tonight ➤ Remaining WD Rooms will open tomorrow AM
14	SERP Lead, Damage Assessment <ul style="list-style-type: none"> ➤ Ready if needed
15	State Planning Section Chief <ul style="list-style-type: none"> ➤
16	State Logistics Section Chief <ul style="list-style-type: none"> ➤ Meals and Lodging secured ➤ CCRI staging site will be ready to go tomorrow AM
17	State Liaison Officer <ul style="list-style-type: none"> ➤ No exceptions
18	State Public Information Officer <ul style="list-style-type: none"> ➤ Have been in contact this afternoon with customers through messaging on the web and customer texts ➤ No media calls yet
19	Customer Contact Center Lead <ul style="list-style-type: none"> ➤ Increasing agents tonight and tomorrow and bringing some in early tomorrow ➤ Team is on call tonight ➤ LS CC calls placed at 9am today
20	State HR Section Chief <ul style="list-style-type: none"> ➤
21	State Finance Section Chief <ul style="list-style-type: none"> ➤
22	State Safety & Health Officer <ul style="list-style-type: none"> ➤ All set for onboarding ➤ Don't forget to conduct daily symptom checks
23	State Environmental Officer <ul style="list-style-type: none"> ➤
24	State Security Officer <ul style="list-style-type: none"> ➤ Security deployed to CCRI tonight ➤ Motor home being delivered to CCRI as well as material
25	Emergency Planning Support <ul style="list-style-type: none"> ➤ No exceptions
26	NE States Incident Commander <ul style="list-style-type: none"> ➤ Western areas in NY are experiencing the weather now ➤ Spink - 20k customers out in Western Division, high winds will be behind the front; Control Center is staffed up ➤ Thank you for all your work to be prepared
27	Next Scheduled Call-Date & Time <ul style="list-style-type: none"> • Monday, 0730, November 16th, 2020

Appendix B

Please see the Excel version of Appendix B.

Appendix C

Please see the Excel version of Appendix C.

Appendix D

Please see the Excel version of Appendix D.

Appendix E

Please see the Excel version of Appendix E.