

April 29, 2022

VIA ELECTRONIC MAIL

Luly E. Massaro, Commission Clerk
Rhode Island Public Utilities Commission
89 Jefferson Boulevard
Warwick, RI 02888

RE: Docket 2509 – Storm Contingency Fund
January 29, 2022 Summary Report

Dear Ms. Massaro:

Pursuant to Rhode Island Public Utilities Commission (“PUC”) Order No. 15360 (August 19, 1997) and paragraph 4(a) of the Joint Proposal and Settlement in Lieu of Comments Submitted by The Narragansett Electric Company¹ and the Division of Public Utilities and Carriers (the “Settlement”), which the PUC approved in Docket No. 2509, I have enclosed one original and eight copies of National Grid’s summary report on the planning and restoration activities associated with the January 29, 2022 Storm event (“January 29, 2022 Storm” or the “Storm”), which likely will qualify for inclusion in the Company’s Storm Contingency Fund. Paragraph 4(b) of the Settlement requires the Company to file with the PUC within 90 days after the storm a report that includes a description of the Storm and a summary of the extent of the damage to the Company’s system, including the number and length of outages.

The Company will file a supplemental report detailing the incremental restoration costs resulting from this Storm once the Company accumulates the total costs and completes a final accounting of storm costs.

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

Very truly yours,



Andrew S. Maracaccio

Enclosure

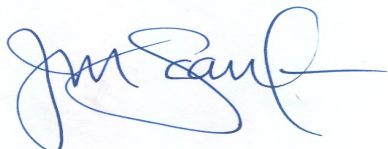
cc: Docket 2509 Service List
Docket D-11-94 Service List
Leo Wold, Esq.
Christy Hetherington, Esq.
Tiffany Parenteau, Esq.
John Bell, Division
Al Mancini, Division

¹ The Narragansett Electric Company d/b/a National Grid (National Grid or Company).

Certificate of Service

I hereby certify that a copy of the cover letter and any materials accompanying this certificate was electronically transmitted to the individuals listed below.

The paper copies of this filing are being hand delivered to the Rhode Island Public Utilities Commission and to the Rhode Island Division of Public Utilities and Carriers.



Joanne M. Scanlon

April 29, 2022
Date

**Docket No. 2509 – National Grid – Storm Fund
Service List as of 11/5/2020**

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Docket D-11-94 Review of National Grid's Storm Reports

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National Grid

The Narragansett Electric Company

**Report on
January 29 Storm,
Damage Assessment and
Service Restoration**

April 29, 2022

Docket No. 2509

Submitted to:
Rhode Island Public Utilities Commission

Submitted by:

nationalgrid

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**REPORT ON BEHALF OF
THE NARRAGANSETT ELECTRIC COMPANY d/b/a NATIONAL GRID
ON THE JANUARY 29, 2022 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 January 29, 2022 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 3 emergency event for Rhode Island, meaning that the Company estimated that restoration activities generally would be accomplished within a 72-hour period and the event typically would result in up to 28 percent of customers interrupted at peak. The Storm was projected to bring a mixture of hazardous snowfall and strong wind gusts, especially along the coasts, which potentially could cause damage to the Company’s electric infrastructure. The Storm interrupted power to 885 (approximately 381 at peak) of the Company’s customers. Overall, 1% percent of the Company’s customers in Rhode Island experienced outages at peak, with 16 of the 38 of communities served in Rhode Island impacted.

The Company began monitoring the Storm on the morning of Tuesday, January 25, 2022, as initial weather forecasts identified a newly forming Nor’easter that was expected to impact the northeast. Throughout the week 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 Rhode Island. As part of its response to the Storm, the Company opened the Storm Room in Providence and North Kingstown at approximately 11:00 p.m. on Friday evening, January 28, 2022.

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 15 hours from the time of the first customer outage. From the time of peak customers impacted, the Company restored 95 percent of the outages in 2 hours. Power was restored to the final customer impacted by the Storm on Saturday, January 29, 2022 at approximately 6:17 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 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 Incident Classification Actions.

Table 1. Incident Classification Actions

Action Performed	Date and Time
New England Incident Commander Named	January 27, 2022; approx. 2:30 p.m.
Initial Event Classification Type – 5	January 27, 2022; approx. 5:00 p.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 Storm ICS Actions.

Table 2. ICS Actions

<u>Actions Performed</u>	<u>Date and Time</u>
Branch Storm Room opened in Providence for Capital & North Kingstown for Coastal	January 28, 2022; approx. 11:00 p.m.

C. Determination of Crew Needs and Pre-STAGING

Given the potential magnitude of the Storm and forecast of hazardous winds and heavy snowfall, 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

On January 25, 2022, the threat of a strong cold front was expected to bring widespread rain, thunderstorms, and potentially hazardous wind gusts. Peak gusts of up to 40 mph were listed for the Rhode Island and eastern Massachusetts.

By January 26, confidence for strong Nor'easter storm had increased, with peak gusts of 60 mph for Rhode Island, along with heavy snowfall levels between 10"-20" arriving later in the day on as the storm system strengthens. On the afternoon of January 28, 2022, the forecast remained mostly consistent with previous reports, yet increasing forecast for snow accumulations between 15"-30" totals.

B. Impact

The Storm was a moderate weather event that resulted in little damage to the Company's electrical system. The Storm brought heavy snow and strong wind gusts to the Company's service territory. Providence recorded over 19" of snow, placing it as the 4th largest snowstorm since 1960. Peak wind gusts were generally in the 50-60 mph range, with Providence experiencing a peak gust of 66 mph. The Town of North Kingstown was affected most heavily with approximately 2 percent of their customers impacted by the event. See Table 3 below for the Storm impact.

Table 3. Storm Impact

Total Customers Impacted	885
Peak Customers Impacted	381
Date and Time of Peak	January 29, 2022; 2:51 p.m.
Date and Time Final Customer Was Restored	January 29, 2022; 6:17 p.m.
Number of Municipalities That Experienced Interruptions	16
Number of Distribution Feeders That Experienced Interruptions	16

Figure 1 below shows the number of customers interrupted and restored, by hour, for the period of January 29-30, 2022.

Figure 1

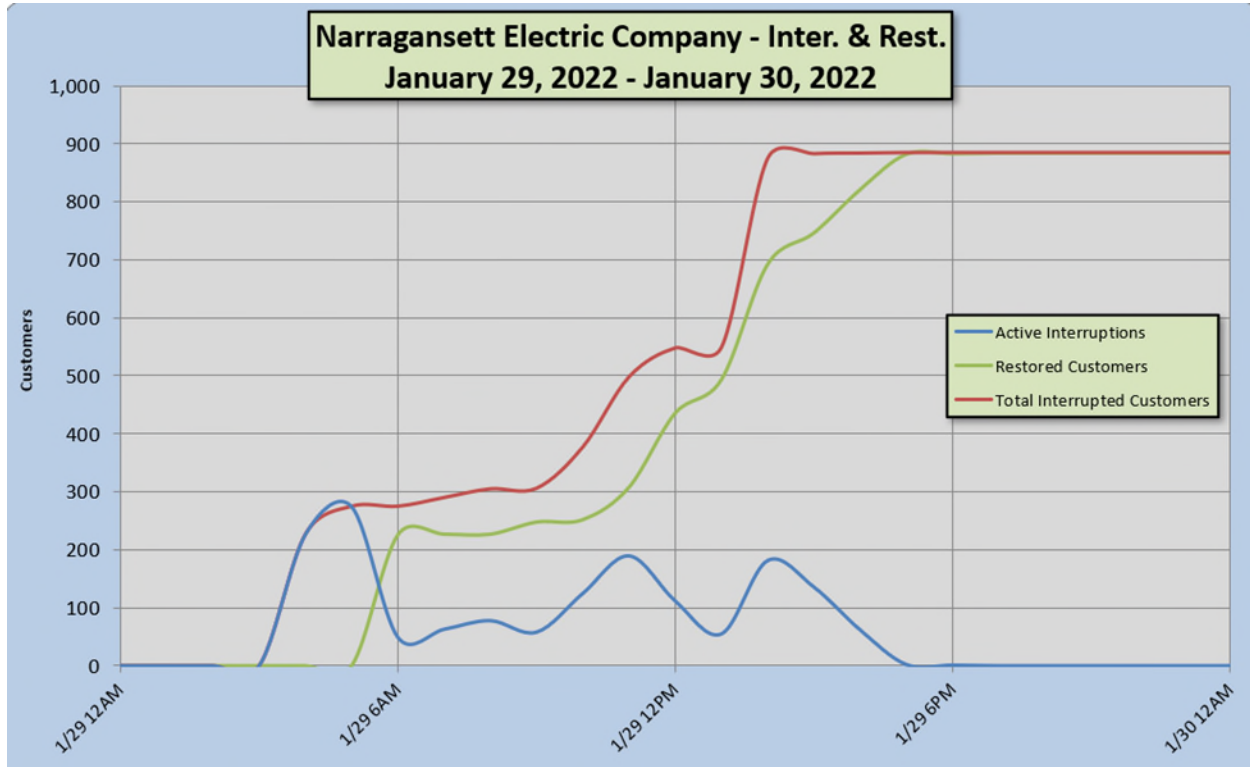


Figure 2 below shows all municipalities that experienced interruptions during the Storm.

Figure 2

Municipality Name	Customers Served	Total Customers Interrupted	Percent of Total
BARRINGTON	6,909	7	0.10%
CENTRAL FALLS	7,410	1	0.01%
COVENTRY	14,407	69	0.48%
CRANSTON	31,774	145	0.46%
EAST GREENWICH	6,299	4	0.06%
FOSTER	2,051	1	0.05%
LINCOLN	10,314	199	1.93%
LITTLE COMPTON	2,607	40	1.53%
MIDDLETOWN	8,416	6	0.07%
NARRAGANSETT	10,615	72	0.68%
NORTH KINGSTOWN	13,930	328	2.35%
PORTSMOUTH	9,277	63	0.68%
SMITHFIELD	9,097	4	0.04%
TIVERTON	8,330	10	0.12%
WARWICK	40,481	57	0.14%
WESTERLY	14,560	1	0.01%

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 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 did not deploy Task Force teams for this event.

C. Personnel Resources

The Company secured a total of 470 internal and external field crews¹ to restore power to customers in Rhode Island, consisting of approximately 265 external crews and 205 internal crews. The internal and external field crew numbers included transmission and distribution overhead line, forestry, substation, underground, wires down, and damage assessment personnel.

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 did not request mutual assistance from companies in the North Atlantic Mutual Assistance Group ("NAMAG") to support restoration for this event.

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, 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

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.

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 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 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 Storm on Tuesday, January 25, closely monitoring weather forecasts as the storm approached the northeast region.

C. Public Officials

1. Governor’s Office

During the Storm, the Company’s Jurisdictional President communicated 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 Regulatory Liaison contacted the PUC, the Division, the Governor’s office, and OER to provide updates throughout the Storm. See Table 4 below for a listing of updates along with a brief summary of the update provided.

Table 4. Updates to the Division and OER

Date and Time of Update	Summary of Update Content
January 25, 2022; approx. 10:33 a.m.	Initial notification; weather forecast; allocation of needed resources
January 26, 2022; approx. 9:36 a.m.	Weather forecast update; Planning and preparation activities update
January 27, 2022; approx. 1:26 p.m.	Weather forecast; update on planning and preparation activities; resource counts; Storm Room/Muni Room, Life Support Customer notification plans
January 28, 2022; approx. 3:30 p.m.	Weather forecast; update on final planning and preparation progress; resource counts; Event type 3 declared
January 29, 2022; approx. 7:33 a.m.	Weather forecast; storm room status; current outage impacts
January 29, 2022; approx. 5:38 p.m.	Final restoration progress update: current outage impacts, plans for demobilization

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 January 28 at 11:00 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 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.

See Table 5 below for a detailed listing of each method of communication utilized throughout the Storm.

Table 5. 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	77
Number of Customer Calls Received by Interactive Voice Response (IVR)	Customer reports outage or issue	9
Number of Customer Calls Received by 21 st Century	Customer reports outage or issue	50
Number of Outbound Calls to Life Support Customers, Type 3 Event or greater	Company notification and follow-up with Life Support Customers impacted by an outage	0
<u>Automated Outage Updates</u>		
Number of Inbound and Outbound Text Messages	Outage notification, update, or update request from customer	1,271
Number of emails sent	Outage notification, update, or update request from customer	1,390
Number of outbound calls made	Outage notification, update, or update request from customer	0
<u>Web and Social Media</u>		
Number of customer hits on Company website during preparation for, and response to, the event	Customers seeking information	27,518
Number of Facebook posts	Company preparation for the event, safety information, restoration updates	6
Number of tweets/re-tweets posted on Twitter	Company preparation for the event, safety information, restoration updates	16

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 eleven media requests for information related to the Storm in Rhode Island, and two press releases was issued. 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 Storm impacted the Company's electrical system, resulting in power outages to 885 of the Company's customers. Damage was caused primarily by heavy snow dragging tree limbs into contact with the Company's 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 2 hours from the time of peak impact. The Company restored power to 100 percent of its customers impacted in approximately 15 hours from the time of the first customer impacted, and in just over 4 hours from the time of peak impact. Power was restored to the final customer impacted by the Storm on Saturday, January 29, 2022 at approximately 6:17 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 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.

January 29, 2022 RI 90 Day Report Appendix A

MEETING INFORMATION			
Date:	1/29/2022	Time:	0700
Call Details:	Microsoft Teams Meeting		

KEY MEETING PARTICIPANTS (limited report out for this call)			
D = Delegate X = in attendance			
Name	Present	Name	Present
State Incident Commander/Mike McCallan	X	State Planning Section Chief/Tom Semeter	X
State Safety & Health Officer/Bob Preshong	X	State Liaison Officer/Carlos Nouel	X
Control Center Lead/Mike Gallagher	X	Regulatory Liaisons, MA/Lynne Nadeau RI/ Kate Grant	X
State Operations Section Chief/Manjola Cronstrom	X	State Public Information Officer/Bob Kievra	X
Substation Lead/Bob Brawley	X	Customer Contact Center Lead/Nancy Concemi	X
Transmission Restoration Lead/Andrew Schneller	X	Customer Engagement/ Kelly Carney	X
External Line Resource Lead/Oriana Sharwani	X	State Logistics Section Chief/Jorge Sousa	X
SERP Lead, Forestry/Seth Bernatchez	X	State Security Officer/John Jackson	X
SERP Lead, Storm Rooms/Kevin Hellmuth	X	IS Event Lead/Fran Di Leonardo	X
SERP Lead, Wires Down/Mark Correia	X	State HR Section Chief/Maria Marotta	X
SERP Lead, Damage Assessment/ Elton Prifti	X	State Finance Section Chief/ Andrew Pierce	X
State Environmental Officer/Pete Harley	X	Emergency Planning Support/Jack Fontana	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"> ➤ Driving in the weather <ul style="list-style-type: none"> ○ Map out your routes prior to leaving ○ Stick to major roads ○ Remove any ice or snow from car before driving ○ Follow the 5 smiths key driving tactics 														
2	<p>SYNOPSIS: A Nor'easter brings threats of hazardous snow and hazardous winds/gusts today for most areas of the network. Heaviest snows will be across southern/eastern areas, specifically along a corridor from RI/Southeast northeastward to South Shore, North Shore and Merrimack Valley/Salem. Additionally, strongest winds and gusts can be expected across coastal and adjacent exposed areas across eastern Mass and Nantucket. Conditions gradually improve later this evening into Sunday morning across the region. Staying breezy through Sunday but conditions otherwise will be quieting down. Dry and hazard-free conditions then return for Monday and Tuesday. A weak front develops across New England Wednesday which could promote isolated light rain/snow showers with little impacts.</p> <p>WIND IMPACT SAT-SUN AM:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr style="background-color: #333; color: white;"> <th style="width: 20%;">Region</th> <th style="width: 15%;">Timing of Hazard Gusts</th> <th style="width: 15%;">Sustained Winds</th> <th style="width: 10%;">EEI-2/3 Sustained Winds</th> <th style="width: 10%;">Common Gusts</th> <th style="width: 10%;">Peak Gusts</th> <th style="width: 20%;">EEI-2/3/4 Gust Chances</th> </tr> </thead> <tbody> <tr> <td>Nantucket</td> <td>Now-6am Sun</td> <td>NE-NW at 30-50 mph</td> <td>50%/10%</td> <td>45-55 mph</td> <td>65-80 mph</td> <td>EEI-2/3/4 100%/100%/60%</td> </tr> </tbody> </table>	Region	Timing of Hazard Gusts	Sustained Winds	EEI-2/3 Sustained Winds	Common Gusts	Peak Gusts	EEI-2/3/4 Gust Chances	Nantucket	Now-6am Sun	NE-NW at 30-50 mph	50%/10%	45-55 mph	65-80 mph	EEI-2/3/4 100%/100%/60%
Region	Timing of Hazard Gusts	Sustained Winds	EEI-2/3 Sustained Winds	Common Gusts	Peak Gusts	EEI-2/3/4 Gust Chances									
Nantucket	Now-6am Sun	NE-NW at 30-50 mph	50%/10%	45-55 mph	65-80 mph	EEI-2/3/4 100%/100%/60%									

January 29, 2022 RI 90 Day Report Appendix A

South-North Shore/RI/Southeast	Now-3am Sun	NE-NW at 20-35 mph	-/-	38-48 mph	55-60 mph	EEl-2/3/4 100%/60%/-
Merrimack/Salem	10am Sat-12am Sun	N at 15-26 mph	-/-	32-42 mph	47-52 mph	EEl-2/3/4 60%/10%/-
Western/Central	11am Sat-12am Sun	NNW at 12-22 mph	-/-	25-35 mph	36-46 mph	EEl-2/3/4 20%/-/-

SNOW IMPACT SAT-SUN AM: Onset of snowfall for Nantucket will be challenging as temperatures remain above freezing into the late morning hours.

REGION	SNOW TIMING	TIMING OF HEAVIEST SNOW	TOTAL SNOW ACCUMS S SAT-SUN	ADDITIONAL SNOW ACCUMS	SNOW RATIO	EEl-2/3/4/5 SNOW CHANCES
Nantucket	Now-4am Sun	Now-9pm Sat	8-15"	8-15"	6-13:1 (Wet-Normal)	100%/100%/40%/-
North-South Shore/Merrimack Valley	Now-4am Sun	Now-9pm Sat	15-30"	12-22"	11-17:1 (Normal-Dry)	100%/100%/90%/50%
Southeast/Capital/Coastal	Now-4am Sun	8am Sat-9pm Sat	15-30"	12-22"	11-19:1 (Normal-Dry)	100%/100%/80%/50%
Central MA/Salem	Now-2am Sun	9am Sat-7pm Sat	7-17"	6-16"	15-20:1 (Dry)	100%/80%/40%/-
Charlestown/Lebanon/Western MA	Now-1am Sun	11am Sat-6pm Sat	3-8"	2-8"	16-23:1 (Dry)	40%/10%/-/-

RADIAL ICE IMPACT: None.

THUNDERSTORM IMPACT: None.

PRECIPITATION IMPACT: None.

FLOOD IMPACT: None.

3

NE State Incident Commander

- **Define the Operational Period**
 - 2nd Op period, 07:00 Saturday to 07:00 Sunday
- **Provide overview of the Emergency activities, current size and complexity**
 - Type 3 event for both Mass and Rhode Island
 - A/B reporting began at midnight, now follow Emergency Response Plan required cadence thereafter
 - Type 3 = By State (140,000 customers interrupted at PEAK, 72 hours to restore 95%)
- **Storm Rooms**
 - **Brockton, Malden, North Andover, Hopedale, Worcester, Providence, and North Kingstown.**
- **Establish Emergency Objectives**
 - Zero Safety Incidents during the incident.
 - Zero injuries, switching incidents and RTC's for all employees and contractors.
 - Zero injuries to the Members of Public.
 - Successfully on-board all external resources prior to assigning work.
 - Maintain effective communications with all customers and regulators.
 - Monitor Emergency Response Information Systems during the event.
 - Respond to Wires Down with Police and Fire Standing by the required timeframes.
 - Monitor and prioritize critical facility outages.

January 29, 2022 RI 90 Day Report Appendix A

4	State Safety & Health Officer <ul style="list-style-type: none"> ➤ Onboarding is complete ➤ 1 rtc involved in crash, no injuries 																																																																	
5	Control Center Lead <ul style="list-style-type: none"> ➤ No lockouts ➤ A couple police and fire calls, all assigned 																																																																	
6	State Operations Section Chief <ul style="list-style-type: none"> ➤ Transitioned into restoration mode ➤ Ready to go 																																																																	
7	Substation Lead <ul style="list-style-type: none"> ➤ NWS issued coastal flood statement this morning ➤ Monitoring the weather and ready to go 																																																																	
8	Transmission Restoration Lead <ul style="list-style-type: none"> ➤ N/E 																																																																	
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12	<p>SERP Lead, Wires Down</p> <ul style="list-style-type: none"> ➤ N/E 																																																																																											
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15	<p>State Planning Section Chief</p> <ul style="list-style-type: none"> ➤ A and B reports started ➤ Rounds on ETR's will start soon 																																																																																											
16	<p>State Liaison Officer</p> <ul style="list-style-type: none"> ➤ N/E 																																																																																											
17	<p>Regulatory Liaison, MA & RI</p> <ul style="list-style-type: none"> ➤ Statements will be going this morning for both MA and RI 																																																																																											
18	<p>State Public Information Officer</p> <ul style="list-style-type: none"> ➤ N/E 																																																																																											
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	➤ N/E
26	Emergency Planning Support <ul style="list-style-type: none">➤ Transitioned to Restoration Stage per the checklists and are required at the end of the event➤ Outage capture has started and will continue through duration of the event➤ The most recent org chart will be sent out with the minutes for this call<ul style="list-style-type: none">○ Any questions or updates please reach out to Gary Lataille
27	NE States Incident Commander <ul style="list-style-type: none">➤ Closing Remarks<ul style="list-style-type: none">▪ Ready to go▪ Safety is main priority throughout restoration today
28	Next Scheduled Call - Date & Time <ul style="list-style-type: none">• NEXT CALL #2 Restoration State Briefing @ 7:00 pm tonight (1/29).

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MEETING INFORMATION			
Date:	1/29/2022	Time:	1900
Call Details:	Microsoft Teams Meeting		

KEY MEETING PARTICIPANTS (limited report out for this call)			
D = Delegate X = in attendance			
Name	Present	Name	Present
State Incident Commander/Mike McCallan	X	State Planning Section Chief/Tom Semeter	X
State Safety & Health Officer/Bob Preshong	X	State Liaison Officer/John Isberg	X
Control Center Lead/Mike Gallagher	X	Regulatory Liaisons, MA/Lynne Nadeau RI/ Kate Grant	XX
State Operations Section Chief/Tanya Moniz-Whitten	X	State Public Information Officer/Bob Kievra	X
Substation Lead/Bob Brawley	X	Customer Contact Center Lead/Nancy Concemi	X
Transmission Restoration Lead/Marc Bristol	X	Customer Engagement/ Kelly Carney	X
External Line Resource Lead/Oriana Sharwani	X	State Logistics Section Chief/Jorge Sousa	X
SERP Lead, Forestry/Seth Bernatchez	X	State Security Officer/John Jackson	X
SERP Lead, Storm Rooms/Kevin Hellmuth	X	IS Event Lead/Fran Di Leonardo	X
SERP Lead, Wires Down/Mark Correia	X	State HR Section Chief/Maria Marotta	X
SERP Lead, Damage Assessment/ Elton Prifti	X	State Finance Section Chief/ Andrew Pierce	X
State Environmental Officer/Pete Harley	X	Emergency Planning Support/Jack Fontana	X
<i>SERP Lead = State Emergency Response Process Lead</i>			

#	Agenda Item																																																
1	Safety Message – State Safety & Health Officer <ul style="list-style-type: none"> ➤ Home Safety <ul style="list-style-type: none"> ○ Exterior home vents can become blocked with ice and snow ○ Need to be cleared, carefully as to not damage them ○ Can cause blockages, malfunction, damages, or cause carbon monoxide threats 																																																
2	Weather WIND IMPACT SAT-SUN AM: <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr style="background-color: #333; color: white;"> <th>Region</th> <th>Timing of Hazard Gusts</th> <th>Sustained Winds</th> <th>Common Gusts</th> <th>Peak Gusts</th> <th>EEL-2 Gust Chances</th> </tr> </thead> <tbody> <tr> <td>Nantucket</td> <td>Now-12am Sun</td> <td>NW at 20-32 mph</td> <td>35-44 mph</td> <td>45-52 mph</td> <td>EEL-2 50%</td> </tr> </tbody> </table> TEMPERATURE IMPACT SAT-SUN: All areas will likely be impacted except for Nantucket. <table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <thead> <tr style="background-color: #333; color: white;"> <th>REGION</th> <th>TIMING BELOW 10 DEGREES</th> <th>LOWS</th> </tr> </thead> <tbody> <tr> <td>All</td> <td>7pm Sat-12pm Sun</td> <td>-2F to 5F</td> </tr> </tbody> </table> SNOW IMPACT SAT: Onset of snowfall for Nantucket will be challenging as temperatures remain above freezing into the late morning hours. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #333; color: white;"> <th>REGION</th> <th>SNOW TIMING</th> <th>TOTAL SNOW ACCUMS SAT-SUN</th> <th>ADDITIONAL SNOW ACCUMS</th> <th>SNOW RATIO</th> <th>EEL-2/3/4/5 SNOW CHANCES</th> </tr> </thead> <tbody> <tr> <td>Nantucket</td> <td>Now-11pm Sat</td> <td>10-15"</td> <td>Up to 1"</td> <td>12-15:1 (Normal-Dry)</td> <td>100%/100%/40%/-</td> </tr> <tr> <td>North-South Shore/Merrimack Valley</td> <td>Now-11pm Sat</td> <td>18-30"</td> <td>2-4"</td> <td>15-20:1 (Dry)</td> <td>100%/100%/90%/50%</td> </tr> <tr> <td>Southeast/Capital/Coastal</td> <td>Now-11pm Sat</td> <td>18-30"</td> <td>1-3"</td> <td>15-20:1 (Dry)</td> <td>100%/100%/80%/50%</td> </tr> <tr> <td>Central MA/Salem</td> <td>Now-10pm Sat</td> <td>10-17"</td> <td>2-5"</td> <td>15-20:1 (Dry)</td> <td>100%/80%/40%/-</td> </tr> </tbody> </table>	Region	Timing of Hazard Gusts	Sustained Winds	Common Gusts	Peak Gusts	EEL-2 Gust Chances	Nantucket	Now-12am Sun	NW at 20-32 mph	35-44 mph	45-52 mph	EEL-2 50%	REGION	TIMING BELOW 10 DEGREES	LOWS	All	7pm Sat-12pm Sun	-2F to 5F	REGION	SNOW TIMING	TOTAL SNOW ACCUMS SAT-SUN	ADDITIONAL SNOW ACCUMS	SNOW RATIO	EEL-2/3/4/5 SNOW CHANCES	Nantucket	Now-11pm Sat	10-15"	Up to 1"	12-15:1 (Normal-Dry)	100%/100%/40%/-	North-South Shore/Merrimack Valley	Now-11pm Sat	18-30"	2-4"	15-20:1 (Dry)	100%/100%/90%/50%	Southeast/Capital/Coastal	Now-11pm Sat	18-30"	1-3"	15-20:1 (Dry)	100%/100%/80%/50%	Central MA/Salem	Now-10pm Sat	10-17"	2-5"	15-20:1 (Dry)	100%/80%/40%/-
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3	<p>NE State Incident Commander</p> <ul style="list-style-type: none"> ➤ Define the Operational Period <ul style="list-style-type: none"> ▪ 2nd Op period, 07:00 Saturday to 07:00 Sunday ➤ Provide overview of the Emergency activities, current size and complexity <ul style="list-style-type: none"> ▪ Transitioning to a Type 4 event in MA at midnight tonight, ▪ Transitioning to Type 5 (normal operations) in RI as of this call ▪ A/B reporting began at midnight last night, Final A/B report will be at midnight tonight ▪ Type 4 = By State (35,000 customers interrupted at PEAK, 24 hours to restore 95%) ▪ Type 5 = Normal operations ➤ Storm Rooms <ul style="list-style-type: none"> ▪ Brockton, Malden, North Andover, Hopedale, Worcester, Providence, and North Kingstown. ➤ Establish Emergency Objectives <ul style="list-style-type: none"> ▪ Zero Safety Incidents during the incident. <ul style="list-style-type: none"> ▪ Zero injuries, switching incidents and RTC's for all employees and contractors. ▪ Zero injuries to the Members of Public. ▪ Maintain effective communications with all customers and regulators. ▪ Monitor Emergency Response Information Systems during the event. ▪ Respond to Wires Down with Police and Fire Standing by the required timeframes. ▪ Monitor and prioritize critical facility outages. ▪ Ready the demobilization and release plan. 																																																																	
4	<p>State Safety & Health Officer</p> <ul style="list-style-type: none"> ➤ PTO tech involved in a non-preventable road traffic collision ➤ Please be cautious on the roads driving, control loss and low visibility 																																																																	
5	<p>Control Center Lead</p> <ul style="list-style-type: none"> ➤ Continue to support Nantucket dispatching and restoration 																																																																	
6	<p>State Operations Section Chief</p> <ul style="list-style-type: none"> ➤ Demobilization plans are being executed where applicable ➤ Under 5k customers as of this call ➤ 9:15am sending add crews to Nantucket to complete the restoration 																																																																	
7	<p>Substation Lead</p> <ul style="list-style-type: none"> ➤ Plan to spend tonight and tomorrow clearing out stations of snow and ice 																																																																	
8	<p>Transmission Restoration Lead</p> <ul style="list-style-type: none"> ➤ No issues today aside from the C3 line that was impacted this am 																																																																	
9	<p>External Line Resource Lead</p> <ul style="list-style-type: none"> ➤ Preparing release plan, working with Incident Command for details <p>a) Method of securing:</p> <table border="1" data-bbox="332 1396 1023 1543"> <thead> <tr> <th>Received From</th> <th>Resources</th> <th>Crews</th> </tr> </thead> <tbody> <tr> <td>On Property</td> <td>76</td> <td>32</td> </tr> <tr> <td>Direct Contact</td> <td>1474</td> <td>551</td> </tr> <tr> <td>Mutual Aid</td> <td>0</td> <td>0</td> </tr> <tr> <td>Total:</td> <td>1550</td> <td>583</td> </tr> </tbody> </table> <p>b) Division allocation:</p> <table border="1" data-bbox="332 1627 1055 1900"> <thead> <tr> <th>Staging Site</th> <th>Resources</th> <th>Crews</th> <th>Buckets</th> <th>Diggers</th> </tr> </thead> <tbody> <tr> <td>MA - Central</td> <td>76</td> <td>31</td> <td>31</td> <td>11</td> </tr> <tr> <td>MA - MV</td> <td>186</td> <td>64</td> <td>64</td> <td>15</td> </tr> <tr> <td>MA - NS</td> <td>188</td> <td>67</td> <td>67</td> <td>15</td> </tr> <tr> <td>MA - SE</td> <td>273</td> <td>104</td> <td>104</td> <td>19</td> </tr> <tr> <td>MA - SS</td> <td>320</td> <td>126</td> <td>126</td> <td>27</td> </tr> <tr> <td>MA - West</td> <td>75</td> <td>30</td> <td>30</td> <td>6</td> </tr> <tr> <td>Nantucket</td> <td>4</td> <td>2</td> <td>2</td> <td>0</td> </tr> <tr> <td>Rhode Island</td> <td>428</td> <td>159</td> <td>159</td> <td>40</td> </tr> <tr> <td>Total:</td> <td>1550</td> <td>583</td> <td>583</td> <td>133</td> </tr> </tbody> </table>	Received From	Resources	Crews	On Property	76	32	Direct Contact	1474	551	Mutual Aid	0	0	Total:	1550	583	Staging Site	Resources	Crews	Buckets	Diggers	MA - Central	76	31	31	11	MA - MV	186	64	64	15	MA - NS	188	67	67	15	MA - SE	273	104	104	19	MA - SS	320	126	126	27	MA - West	75	30	30	6	Nantucket	4	2	2	0	Rhode Island	428	159	159	40	Total:	1550	583	583	133
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MA - Central	76	31	31	11																																																														
MA - MV	186	64	64	15																																																														
MA - NS	188	67	67	15																																																														
MA - SE	273	104	104	19																																																														
MA - SS	320	126	126	27																																																														
MA - West	75	30	30	6																																																														
Nantucket	4	2	2	0																																																														
Rhode Island	428	159	159	40																																																														
Total:	1550	583	583	133																																																														

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10	SERP Lead, Forestry	<ul style="list-style-type: none"> ➤ Working on demob plan - 1 added tree crew to Nantucket in AM 353 Total crews available for the event. <p>191 Incremental 162 on property</p>																																																																																								
		<table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="3" style="text-align: center;">Crew Counts</th> <th style="text-align: center;">Wave 2</th> <th style="text-align: center;">Grand Total</th> </tr> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">On-Property</th> <th style="width: 15%;">Incremental</th> <th style="width: 15%;">Total</th> <th style="width: 10%;"></th> <th style="width: 10%;"></th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="text-align: center; vertical-align: middle;">NE South</td> <td>Capital</td> <td style="text-align: center;">26</td> <td style="text-align: center;">23</td> <td style="text-align: center;">49</td> <td style="text-align: center;">0</td> <td style="text-align: center;">49</td> </tr> <tr> <td>Coastal</td> <td style="text-align: center;">23</td> <td style="text-align: center;">33</td> <td style="text-align: center;">56</td> <td style="text-align: center;">0</td> <td style="text-align: center;">56</td> </tr> <tr> <td>South Shore</td> <td style="text-align: center;">17</td> <td style="text-align: center;">30</td> <td style="text-align: center;">47</td> <td style="text-align: center;">0</td> <td style="text-align: center;">47</td> </tr> <tr> <td>Nantucket</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Southeast</td> <td style="text-align: center;">15</td> <td style="text-align: center;">62</td> <td style="text-align: center;">77</td> <td style="text-align: center;">0</td> <td style="text-align: center;">77</td> </tr> <tr> <td></td> <td>NE South Total</td> <td style="text-align: center;">82</td> <td style="text-align: center;">148</td> <td style="text-align: center;">230</td> <td style="text-align: center;">0</td> <td style="text-align: center;">230</td> </tr> <tr> <td rowspan="5" style="text-align: center; vertical-align: middle;">NE North</td> <td>Central</td> <td style="text-align: center;">31</td> <td style="text-align: center;">0</td> <td style="text-align: center;">31</td> <td style="text-align: center;">0</td> <td style="text-align: center;">31</td> </tr> <tr> <td>Western</td> <td style="text-align: center;">28</td> <td style="text-align: center;">3</td> <td style="text-align: center;">31</td> <td style="text-align: center;">0</td> <td style="text-align: center;">31</td> </tr> <tr> <td>Merrimack Valley</td> <td style="text-align: center;">13</td> <td style="text-align: center;">17</td> <td style="text-align: center;">30</td> <td style="text-align: center;">0</td> <td style="text-align: center;">30</td> </tr> <tr> <td>North Shore</td> <td style="text-align: center;">8</td> <td style="text-align: center;">23</td> <td style="text-align: center;">31</td> <td style="text-align: center;">0</td> <td style="text-align: center;">31</td> </tr> <tr> <td>NE North Total</td> <td style="text-align: center;">80</td> <td style="text-align: center;">43</td> <td style="text-align: center;">123</td> <td style="text-align: center;">0</td> <td style="text-align: center;">123</td> </tr> <tr> <td></td> <td>NE Total</td> <td style="text-align: center;">162</td> <td style="text-align: center;">191</td> <td style="text-align: center;">353</td> <td style="text-align: center;">0</td> <td style="text-align: center;">353</td> </tr> </tbody> </table>	Crew Counts			Wave 2	Grand Total		On-Property	Incremental	Total			NE South	Capital	26	23	49	0	49	Coastal	23	33	56	0	56	South Shore	17	30	47	0	47	Nantucket	1	0	1	0	1	Southeast	15	62	77	0	77		NE South Total	82	148	230	0	230	NE North	Central	31	0	31	0	31	Western	28	3	31	0	31	Merrimack Valley	13	17	30	0	30	North Shore	8	23	31	0	31	NE North Total	80	43	123	0	123		NE Total	162	191	353	0	353	
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11	SERP Lead, Storm Rooms	<ul style="list-style-type: none"> ➤ Providence/North Kingstown, Worcester, Hopedale, and North Andover rooms cancelled the night shift for this evening. ➤ Transitioning back to the Control Center those storm rooms ➤ Brockton and Malden to remain open, shifts PM and AM tomorrow 																																																																																								
12	SERP Lead, Wires Down	<ul style="list-style-type: none"> ➤ Planning for demobilization now 																																																																																								
13	SERP Lead, Damage Assessment	<ul style="list-style-type: none"> ➤ Released some DA contractors 																																																																																								
14	State Environmental Officer	<ul style="list-style-type: none"> ➤ No environmental issues reported so far 																																																																																								
15	State Planning Section Chief	<ul style="list-style-type: none"> ➤ ETR upkeep went well today ➤ Final A & B reports will be 12am tonight 																																																																																								
16	State Liaison Officer	<ul style="list-style-type: none"> ➤ quiet day overall ➤ call with MEMA no issues ➤ RIEMA closing operations 																																																																																								
17	Regulatory Liaison, MA & RI	<ul style="list-style-type: none"> ➤ MA – sending an update after this call, specifically the remaining Nantucket restoration plan ➤ RI – final update note sent 																																																																																								
18	State Public Information Officer	<ul style="list-style-type: none"> ➤ 3 press events for RI and MA ➤ Multiple media inquiries today ➤ key messages to go out later this evening ➤ positive sentiment overall 																																																																																								
19	Customer Contact Center Lead	<ul style="list-style-type: none"> ➤ No Exceptions 																																																																																								
20	Customer Engagement	<ul style="list-style-type: none"> ➤ No Exceptions 																																																																																								
21	State Logistics Section Chief	<ul style="list-style-type: none"> ➤ Supporting demob plans of external crews 																																																																																								
22	State Security Officer	<ul style="list-style-type: none"> ➤ No Exceptions 																																																																																								

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23	IS Event Lead <ul style="list-style-type: none">➤ Demob desktop support staff, aligned with storm room status
24	State HR Section Chief <ul style="list-style-type: none">➤ No Exceptions
25	State Finance Section Chief <ul style="list-style-type: none">➤ New accounting memo out tomorrow for time entry
26	Emergency Planning Support <ul style="list-style-type: none">➤ Reminder to submit completed checklists after the final operational period
27	NE States Incident Commander <ul style="list-style-type: none">➤ Closing Remarks<ul style="list-style-type: none">▪ Planned for this even over a week ago▪ Still have customers out and will continue until last customer is restored
28	Next Scheduled Call - Date & Time <ul style="list-style-type: none">• No further calls planned for this event

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.