

May 9, 2024

VIA ELECTRONIC MAIL

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

**RE: Docket No. 2509 – Storm Contingency Fund
March 13, 2023 Storm Summary Report**

Dear Ms. Massaro:

In accordance with 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”) approved by the PUC in Docket No. 2509, I have attached one original and eight copies of Rhode Island Energy’s summary report on the planning and restoration activities associated with the March 13, 2023 (Winter Storm Sage) (the “Storm”) 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 providing a description of the storm along with a summary of the extent of the damage to the Company’s system, including the number of outages and length of outages. The Company recently discovered that it had not filed a summary report for this storm within the required timeframe and apologizes to the PUC for this oversight.

The Company will file with the PUC a supplemental report detailing the incremental restoration costs caused by the March 13, 2023 storm once the Company accumulates the total costs and completes a final accounting of storm costs.

Thank you for your attention to this matter. If you have any questions, please contact me at 401-578-2700.

Very truly yours,



Celia B. O'Brien

Attachment

cc: Docket No. 2509 Service List
Docket No. D-11-94 Service List

¹ The Narragansett Electric Company d/b/a Rhode Island Energy (“Rhode Island Energy” or the “Company”).

Rhode Island Energy

The Narragansett Electric Company

Report on March 13, 2023, Storm, Damage Assessment and Service Restoration

May 9, 2024

Docket No. 2509

Submitted to:
Rhode Island Public Utilities Commission

Submitted by:



Rhode Island Energy™

a PPL company

Table of Contents

I. EXECUTIVE SUMMARY	1
II. INCIDENT ANTICIPATION.....	2
A. Determination of Incident Classification	2
B. Activation of Incident Command System	2
C. Determination of Crew Needs and Pre-Staging.....	3
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
D. Safe Work Practices.....	8
V. COMMUNICATIONS DURING AND AFTER THE EVENT.....	8
A. Communication Regarding Estimated Times of Restoration.....	8
B. Intra-Company.....	8
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 RHODE ISLAND ENERGY
ON THE MARCH 13, 2023, STORM DAMAGE, ASSESSMENT AND SERVICE
RESTORATION EFFORTS**

I. EXECUTIVE SUMMARY

The Narragansett Electric Company d/b/a Rhode Island Energy (“Rhode Island Energy” or the “Company”) presents the following report on the planning and restoration activities associated with the March 13, 2023, storm (Winter Storm Sage) (the “Storm”) response, which impacted Rhode Island and other states in the Northeast. For pre-planning purposes, the Company classified the Storm as a Rhode Island Energy Type 3 emergency event, 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 as a long duration event bringing hazardous wind followed by an extreme drop in temperature to below zero. These factors could potentially cause damage to the Company’s electric infrastructure. The Storm interrupted power to 1,047 (approximately 460 at peak) of the Company’s customers. Overall, 0.21 percent of the Company’s customers in Rhode Island experienced outages, with 14 of the 38 communities served in Rhode Island impacted.

The Company began monitoring the Storm on the morning of Thursday, March 9, 2023, as initial weather forecasts identified a storm with potentially intense wind followed by rain and snow. The event was expected to impact much of New England, but substantial uncertainty remained in determining the top wind speeds and how much rain and or snow would fall and where as well as the timing of the Storm. The Company continued to review the weather forecasts and prepare for the possibility that the Storm would damage the Company’s electric distribution system.

The Company began preparing for the Storm on Saturday, March 11, 2023, and conducted two Pre-Event Briefings, one on Sunday, March 12, 2023, at 11:00 a.m., and the second on Monday, March 13, 2023, at 9:00 a.m. during which the Company reviewed the weather forecast and the possibility that the Storm would impact the Company’s electric distribution system. As part of its response to the Storm, the Company opened the Storm Room, the Wires Down Room, and the Municipal Room in Providence at approximately 6:00 a.m. on Tuesday, March 14, 2023. The Company also held one Restoration Stage Briefing on Tuesday, March 14, 2023, at 9:00 a.m. during which the Company established the operational period objectives, including safety, restoration, and communication requirements.

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 60 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 23.5 hours. Power was

restored to the final customer impacted by the Storm on Wednesday, March 15, 2023, at approximately 7:40 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 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
Incident Commander Named	March 12, 2023; approx. 11:00 a.m.
Initial Event Classification Type – 3	March 13, 2023; approx. 9:00 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 to maintain situational awareness and relay the specifics of the emergency. See Table 2 below for the Storm ICS Actions.

Table 2. ICS Actions

Actions Performed	Date and Time
Pre-Event Briefing Call #1	March 12, 2023; approx. 11:00 a.m.
Pre-Event Briefing Call #2	March 13, 2023; approx. 9:00 a.m.
Storm Room opened in Providence	March 14, 2023; approx. 6:00 a.m.
Wires Down Room opened in Providence	March 14, 2023; approx. 6:00 a.m.
Municipal Room opened in Providence	March 14, 2023; approx. 6:00 a.m.
Restoration Stage Briefing #1	March 14, 2023; approx. 9:00 a.m.

C. Determination of Crew Needs and Pre-Staging

Given the potential magnitude of the Storm and forecast of hazardous winds and potential for significant rainfall, the Company secured crews in advance from its contractors of choice and other outside contractors to support restoration efforts as part of its regional preparation for the Storm, consistent with its Emergency Response Plan. The Company also activated Community College of Rhode Island in Warwick for this event.

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 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 began monitoring the Storm on the morning of Thursday, March 9, 2023, as initial weather forecasts identified a potentially strong wind system with rain and snow anticipated to follow approaching from the south. The event was expected to impact much of New England, but significant uncertainty remained in determining the Storm’s exact intensity, precipitation type and amounts as well as timing. These initial forecasts also underscored the challenges of predicting the top sustained wind speeds and maximum gusts, and the projected temperature low.

On the morning of Monday, March 13, 2023, the forecast remained consistent that gusty damaging winds, followed by rain and snow would impact Rhode Island the evening on Tuesday, March 14, 2023, into Wednesday, March 15, 2023. Average winds gusts to the state were predicted to be between 35-45 mph with potential maximum gusts up to 50 mph. As a result, the Company completed the final efforts to prepare for the oncoming weather event.

Impact

Ultimately, the Storm was a short duration weather event that resulted in minimum damage to the Company’s electrical system. The Storm brought strong wind and rain with an intermittent wintry mix throughout the state. Peak wind gusts were generally in the 35-40 mph range, with Providence experiencing a peak gust of 39 mph. The Towns of Glocester and Foster were affected most heavily with approximately 3.65 and 3.16 percent of customers impacted by the event. See Table 3 below for the Storm impact.

Table 3. Storm Impact

Total Customers Impacted	1,047
Peak Customers Impacted	460
Date and Time of Peak	March 14, 2023; 4:10 p.m.
Date and Time Final Customer Was Restored	March 15, 2023; 7:40 p.m.
Number of Municipalities That Experienced Interruptions	14
Number of Distribution Feeders That Experienced Interruptions	13

Figure 1 below shows the number of customers interrupted and restored, by hour, for the period of March 13-16, 2023.

Figure 1

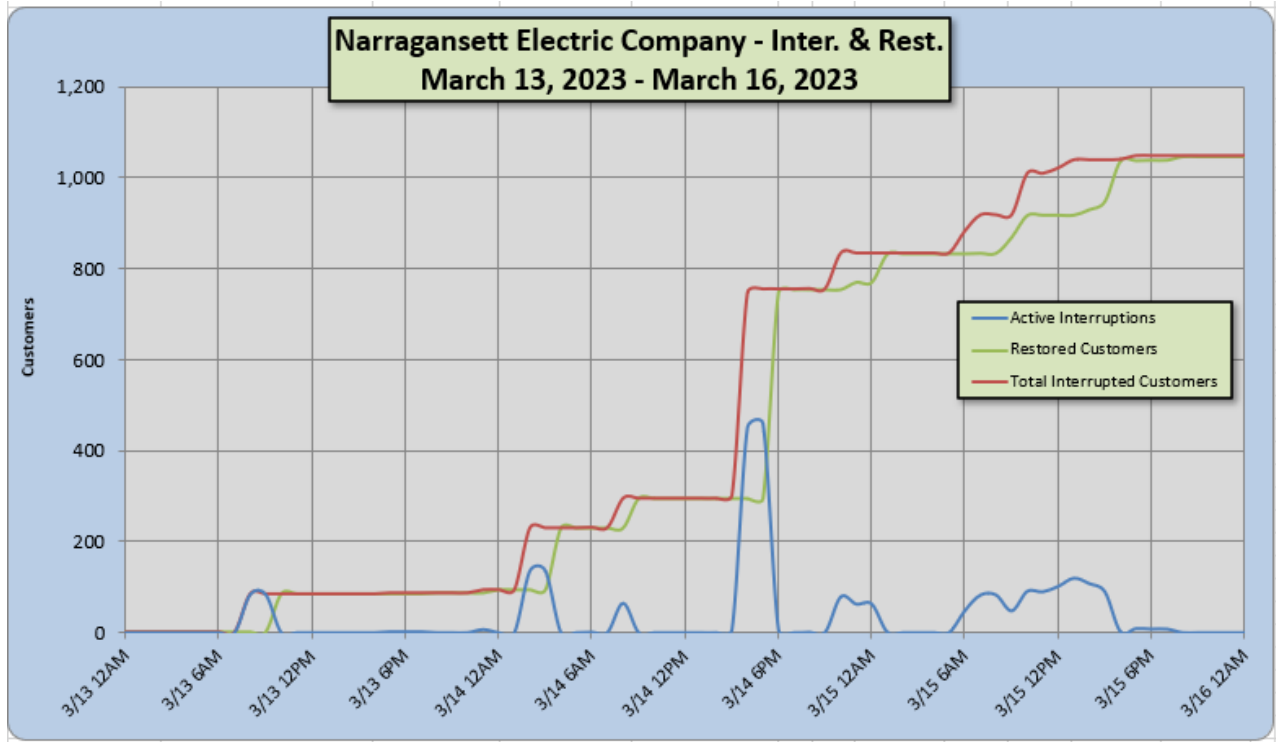


Figure 2 below shows all municipalities that experienced interruptions during the Storm.

Figure 2

Town Name	Peak Customers Affected	Total Customers Interrupted	Percent of Total
COVENTRY	6	19	0.13%
CUMBERLAND	-	1	0.01%
EAST PROVIDENCE	8	8	0.04%
FOSTER	-	65	3.16%
GLOCESTER	-	172	3.65%
NARRAGANSETT	-	14	0.13%
NORTH KINGSTOWN	-	89	0.64%
PORTSMOUTH	-	7	0.08%
PROVIDENCE	-	1	0.00%
RICHMOND	-	65	1.77%
SCITUATE	-	67	1.44%
SMITHFIELD	-	8	0.09%
WARWICK	448	448	1.11%
WEST WARWICK	-	84	0.58%

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 interruptions 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. The hourly chronological restoration assessment in this appendix includes the 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 also established one staging site to support restoration across the state at Community College of Rhode Island in Warwick. The Company dispatched crews to respond to outages from the Storm Room in Providence as soon as it 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 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. The Company also mobilized the Providence Wires Down Room, with approximately 105 internal wire-down resources available, including wires-down appraisers, cut and clear restoration resources, and stand-by resources.

C. Personnel Resources

As part of its planning process, the Company prepared for a Type 3 event in Rhode Island based on the weather forecasts, resources, and operational situation. The Company's plan remained consistent throughout the Pre-Event Briefings #1 on Sunday, March 12, 2023, at 11:00 a.m., and the Pre-Event Briefing #2 on Monday, March 13, 2023, at 9:00 a.m.

The Company secured a total of 435 internal and external field crews¹ to restore power to customers in Rhode Island, consisting of approximately 290 external crews and 145 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-event through complete restoration.

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

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.

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 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 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.

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 Saturday, March 11, 2023, closely monitoring weather forecasts as the storm approached the southern region. As the weather forecasts developed, the Company held two Pre-Event Briefing Calls to coordinate the needed response from staff and personnel. The Company did conduct one Restoration Stage Briefing for this Storm. See Appendix A for all briefings conducted.

C. Public Officials

1. Governor’s Office

During the Storm, the Company’s Regulatory and Government Affairs staff communicated with the Governor’s office. Additionally, the Company also 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
March 10, 2023; 9:02 a.m.	Initial notification; weather forecast; resource planning efforts
March 10, 2023; 2:57 p.m.	Weather update; resource planning update
March 12, 2023; 12:04 p.m.	Weather update; Storm Room plans, resources update
March 13, 2023; 9:53 a.m.	Weather update; Event Type notification, resources update; Storm Room plans
March 14, 2023; 10:50 a.m.	Weather update; Customer Outage and Restoration update
March 15, 2023; 9:45 a.m.	Final update; Customer Outage and Restoration update; demobilization and Storm Room status

During the event, the Company’s Regulatory and Government Affairs staff provided updates to RIEMA regarding the Company’s storm preparations and restoration efforts. The Company also utilized its RIEMA Liaison to post updates virtually on RIEMA’s WebEOC and support as needed.

3. Municipalities

Based on the anticipated impact from this event, the Company opened the Municipal Room on Tuesday, March 14, 2023, at 6:00 a.m. The Company was prepared to utilize 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 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

Method of Communication	Purpose of Interaction	Level of Interaction
Report Outage/Outage Follow-up		
Number of Customer Calls Received by Customer Service Rep	Customer reports outage or issue	72
Number of Customer Calls Received by Interactive Voice Response (“IVR”)	Customer reports outage or issue	8
Number of Customer Calls Received by 21 st Century	Customer reports outage or issue	0
Number of Outbound Calls to Life Support Customers, Type 4 Event or greater	Company notification and follow-up with Life Support Customers impacted by an outage	1,807
Automated Outage Updates		
Number of Inbound and Outbound Text Messages	Outage notification, update, or update request from customer	15,052
Number of emails sent	Outage notification, update, or update request from customer	17,483
Number of outbound calls made	Outage notification, update, or update request from customer	85
Web and Social Media		
Number of customer hits on Company website during preparation for, and response to, the event	Customers seeking information	4,688
Number of Facebook posts	Company preparation for the event, safety information, restoration updates	8
Number of tweets/re-tweets posted on X (formerly Twitter)	Company preparation for the event, safety information, restoration updates	8

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 five media requests for information, and one press release was issued related to the Storm in Rhode Island. The Company received no feedback or comments from media outlets and social media were received and monitored regularly, and overall sentiment was generally neutral.

VI. TECHNOLOGY ISSUES

The Company did not experience any technology issues that impacted the preparation, response, or restoration efforts during the Storm.

VII. CONCLUSION

The Storm impacted the Company’s electrical system, resulting in power outages to 1,047 of the Company’s customers. The damage was caused primarily by intense wind causing tree failure and tree limbs to make contact with the Company’s wires and equipment. 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 23.5 hours from the time of peak impact. The Company restored power to 100 percent of its customers impacted in approximately 60 hours from the time of the first customer impacted and in 27.5 hours from the time of peak impact. Power was restored to the final customer impacted by the Storm on Wednesday, March 15, 2023, at approximately 7:40 p.m.



90 Day Report March 13, 2023 Appendix A

Winter Storm Sage: #1 Pre-Event Briefing Agenda

MEETING INFORMATION			
Date:	3/12/23	Time:	11:00 am
Call Details:	MS TEAMS		

KEY MEETING PARTICIPANTS			
D = Delegate X = in attendance			
Name	Present	Name	Present
Incident Commander/ Al LaBarre	X	Liaison Officer/ Brian Schuster	X
Control Center Lead/ Mike Freitas	X	Logistics Section Chief/ Avia Levin	X
Elect. Ops Section Chief/ Mike Hrycin	X	Public Information Officer/ Ted Kresse	X
Planning Section Chief/ Kathy Castro	X	Customer Contact Lead/ Chris Starr	X
Substation Lead/ Chris Araujo	X	Safety & Health Officer/ Jim Hopkins	X
Transmission Line Liaison/ Dan Glenning	X	Environmental Officer/ Brad Labine	X
External Resource Lead/ Brad Wheeler	X	Security Officer/ Paul Gordon	X
Forestry Lead/ Chris Rooney	X	Human Resource Officer/ Chris Alt	X
Storm Rooms/ Jack Carey	X	Finance Section Chief/ Brian Grzesiuk	X
Wires Down/ Ken Wood	X	Gas Operations/ Michele Leone	X
Damage Assessment/ Roger Cox	X	Emergency Planning/ Steve Parenteau	X

#	Agenda Item
1	<p>Safety Message – Jim Hopkins, Safety & Health Officer</p> <p>Work Zone Hazard Awareness: Trees, limbs, branches leaning on lines causing tension – especially if working from the ground. Creates potential to snap back once cleared. Scenario creates injury potential to be aware of and avoid. Completing a hazard recognition check will save on potential lost time accidents and protect our employees and contractors.</p>
2	<p>Weather Forecast & Predicted Impacts – Junfeng Zhu, PPL Principal Data Scientist</p> <p>Today: Partly sunny. No outage producing weather expected.</p> <ul style="list-style-type: none"> • Wind Conditions: Winds 10 to 15 mph. A few gusts up to 20 mph are possible in southern RI in the morning (0001h to 0006h). • Temperature: The high temperature will be 45 degrees, with overnight lows of 32 degrees <p>Tomorrow: a bit of snow and rain, calm</p> <p>Analyst Note: We are expecting a strong wind event this Tuesday into Wednesday that impacts the entire RI. During this time, we will see very intense winds, followed by rain and snow.</p>



90 Day Report March 13, 2023 Appendix A

	<p>Tuesday & Wednesday: Winds 20 to 25 mph with 30 to 45 mph gusts. A few brief gusts of up to 50 mph are possible across Rhode Island. Details are as follows (all information will be updated tomorrow):</p> <ul style="list-style-type: none"> • Timing: 0100h Tuesday – 2100h Wednesday <ul style="list-style-type: none"> ○ Peak Conditions: 1300h Tuesday – 0500h Wednesday. ○ Sustained Conditions: 0500h Wednesday – 2100h Wednesday • Location: This is a territory-wide event • Wind Conditions: <ul style="list-style-type: none"> ○ During Peak Conditions: <ul style="list-style-type: none"> ▪ Sustained: 25-30mph ▪ Common Gusts: 40-45mph ▪ Peak Gusts: 45-50mph ○ During sustained Conditions: <ul style="list-style-type: none"> ▪ Sustained: 20-25mph ▪ Common Gusts: 30-35mph ▪ Peak Gusts: 30-35mph • Temperature: The high is 41 and the low is 32. • Precipitation: Rain is expected on Tuesday from 0001h to 1600h. We expected 0.75 and 0.5 inches of accumulation from the northern and southern parts of Rhode Island, respectively. One or two inches of snow is expected between 1600h Tuesday and 0800h Wednesday.
3	<p>Incident Commander Update – Al LaBarre</p> <ul style="list-style-type: none"> ▪ Operational Period <ul style="list-style-type: none"> ○ 1st period Monday night to Tuesday ▪ Event Type Classification <ul style="list-style-type: none"> ○ Event Type Classification will officially be declared at the 9AM call tomorrow. ○ We are preparing for a Level 3 event, which means up to a potential 140,000 customers impacted for up to a 72-hr period. This may change based on forecast confidence until tomorrow morning. ▪ Emergency Response Objectives <ul style="list-style-type: none"> ○ #1 – Safe preparations & planned operational response for the duration of the event. <ul style="list-style-type: none"> ▪ Prepare your teams to achieve the following: <ul style="list-style-type: none"> • Zero injuries to employees, contractors, and all members of the public • Zero switching incidents • Safe vehicle operation & zero roadway traffic collisions ○ #2 – Establish and maintain effective communications with all Customers, Regulators, and External Agencies prior to and during the event.



**90 Day Report
March 13, 2023
Appendix A**

4	<p>Electric Operations Section Chief – Mike Hrycin</p> <p>Providence Storm Room expecting to open 6am Tuesday, including wires down.</p> <p>All internal crews are available, small night shift dispatched and managed starting Monday night. The bulk of internal crews OH, UG, and Substation are prepared for a 6am start on Tuesday. The pairing of supervisors with contract crews will be completed in next 24 hours. Keith Burgoyne to send out final lists tomorrow morning.</p>
5	<p>Forestry – Chris Rooney</p> <p>95 tree crews arriving up until Monday night, ready for work first thing Tuesday.</p>
6	<p>Substation Lead – Chris Araujo</p> <p>Only potential exception is possible flooding, not anticipated, but watching NOAA for possibility.</p>
7	<p>Control Center Lead – Mike Freitas</p> <p>Called all lines back to normal configuration, the L14 to be back tomorrow morning. This will give us two transmission lines into the Aquidneck Island area. Staffing up to handle switching.</p>
8	<p>Storm Rooms – Jack Carey</p> <p>Providence Storm Room opening at 6am Tuesday, with 12-hour rotations for duration of event. Requested IT support from NG, waiting to hear back.</p>
9	<p>Wires Down – Ken Wood</p> <p>Ready to go at 6am Tuesday</p>
10	<p>External Resource Lead – Brad Wheeler</p> <p>Approx. 138 OH line crews will arrive by Monday night, will have on-boarding and bedded down in Middletown, N. Kingstown and Warwick areas. Ready to work on 6am on Tuesday. FTE counts to provided tomorrow morning for reporting needs.</p>
11	<p>Transmission Line Unit – Dan Glenning</p> <p>12 T-Line resources from Michels Construction have been secured for any T and Sub T work. Can break up as needed (final crew numbers included in Brads External Resource Reports)</p>
12	<p>Planning Section Chief – Kathy Castro</p> <p>No exceptions</p>
13	<p>Damage Assessment – Roger Cox</p> <p>Secured 60 FTEs, 30 trucks from Storm Services for Wires Down and Damage Assessment support. Tuesday morning arrival. Storm Project Accounting to be send after this call.</p>



**90 Day Report
March 13, 2023
Appendix A**

14	<p>Logistics Section Chief – Avia Levin</p> <p>CCRI staging site has been requested to be activated starting tomorrow and anticipated fully operational to receive crews and support by Tuesday morning. Logistics to be completed in time to lodge external crews.</p>
15	<p>Customer Contact Center Lead – Chris Starr</p> <p>Working on staffing plan, starting Monday overnight for duration of event. Will kick off Life Support messaging to go out tomorrow afternoon.</p>
16	<p>External Liaison Officer – Brian Schuster</p> <p>Ready to open Muni Room in alignment as others, 6am Tuesday morning. Available for any other support needed.</p>
17	<p>Public Information Officer – Ted Kresse</p> <p>No media inquiries, local outlets are starting to raise concern as of today. Local forecast is calling for 3-6” of heavy wet snow with 35-55 mph winds. Likely key messages out tomorrow morning, press release tomorrow afternoon around 1pm discussing plans and what is in place. Social media reminding customers to stay prepared and safe.</p>
18	<p>Human Resources Officer – Chris Alt</p> <p>No exceptions</p>
19	<p>Finance Section Chief – Brian Grzesiuk</p> <p>Accounting to be created after call, also will be estimating storm costs for this event so expect outreach for numbers to certain groups.</p>
20	<p>Safety & Health Officer – Jim Hopkins</p> <p>No exceptions</p>
21	<p>Environmental Officer – Brad Labine</p> <p>Assume no exceptions, AI to confirm</p>
22	<p>Security Officer – Paul Gordon</p> <p>No exceptions</p>
23	<p>Emergency Planning – Steve Parenteau</p> <p>Please contact EP with any pre-event activity support needs. NAMAG Mutual Assistance call to be held at 12pm today, no resources are expected to be available due to wide area of the event impact.</p>
24	<p>Gas Operations – Michele Leone</p> <p>Manly watching the weather for flooding potential. Gas Teams ready to support in their assigned storm role as needed for the electric response.</p>



90 Day Report March 13, 2023 Appendix A

25	Closing Remarks – Dave Bonenberger This event will contain hazards winds over a long duration, well into Wednesday. As a result, safety issues related to high wind and over-head hazards are of the highest concern. Please prepare your family and loved ones at home in advance of your emergency activation.
26	Next Scheduled Briefing - Date & Time <ul style="list-style-type: none">• 9:00 AM Monday - #2 Pre-Event Stage Briefing• 9:00 AM Tuesday - #1 Restoration Stage Briefing



90 Day Report March 13, 2023 Appendix A

Winter Storm Sage: #2 Pre-Event Briefing Agenda

MEETING INFORMATION			
Date:	3/13/23	Time:	9:00 am
Call Details:	MS TEAMS		

KEY MEETING PARTICIPANTS			
D = Delegate X = in attendance			
Name	Present	Name	Present
Incident Commander/ Al LaBarre	X	Liaison Officer/ Brian Schuster	X
Control Center Lead/ Mike Freitas	X	Logistics Section Chief/ Avia Levin	X
Elect. Ops Section Chief/ Mike Hrycin	X	Public Information Officer/ Ted Kresse	X
Planning Section Chief/ Kathy Castro	X	Customer Contact Lead/ Chris Starr	X
Substation Lead/ Chris Araujo	X	Safety & Health Officer/ Jim Hopkins	X
Transmission Lead/ Dan Glenning	X	Environmental Officer/ Brad Labine	X
External Resource Lead/ Brad Wheeler	X	Security Officer/ Paul Gordon	X
Forestry Lead/ Chris Rooney	X	Human Resource Officer/ Chris Alt	X
Storm Rooms/ Jack Carey	X	Finance Section Chief/ Brian Grzesiuk	X
Wires Down/ Ken Wood	X	Gas Operations/ Michele Leone	X
Damage Assessment/ Roger Cox	X	Emergency Planning/ Steve Parenteau	X

#	Agenda Item
1	<p>Safety Message – Jim Hopkins, Safety & Health Officer</p> <p>Unsafe Acts – can be anything from not using proper tool, using the tool improperly, not having/using proper PPE. Highlights pre-job planning. Job brief is very important to identify hazards or any acts that are unsafe. If an unsafe act is seen, stop work immediate and talk to individual/crew to explain and reinforce crew or employe and go over what are the proper way to make safe. If we engage in this and coaching on unsafe acts the rest will fall in place regarding hazard recognition. Not only a good practice at work, but also at home.</p>
2	<p>Weather Forecast & Predicted Impacts – Junfeng Zhu, PPL Principal Data Scientist</p> <p>Today: breezy, with a little afternoon rain. Wind Conditions: Winds 10 to 15 mph. A few gusts up to 30 mph are possible in northern RI in the afternoon (1700h to 2100h).</p> <ul style="list-style-type: none"> • Temperature: The high temperature will be 45 degrees, with overnight lows of 38 degrees • Precipitation: 0. 5-inch rain is expected on Tuesday from 1600h to 2300h. <p>Tuesday & Wednesday: Winds 20 to 25 mph with 30 to 45 mph gusts. A few brief gusts of up to 50 mph are possible across Rhode Island. Details are as follows (all information will be updated tomorrow): Outage producing weather expected.</p>



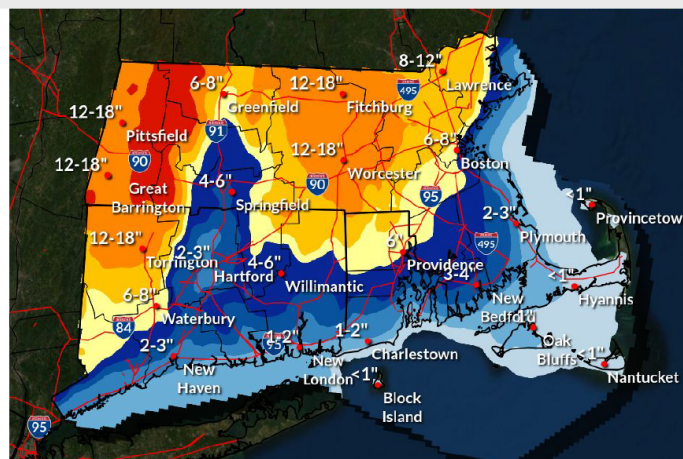
90 Day Report March 13, 2023 Appendix A

- **Timing:** 0200h Tuesday – 1900h Wednesday
 - **Peak Conditions:** 0900h Tuesday – 0600h Wednesday.
 - **Sustained Conditions:** 0600h Wednesday – 1900h Wednesday
- **Location:** This is a territory-wide event
- **Wind Conditions:**
 - **During Peak Conditions:**
 - **Sustained:** 20-25mph
 - **Common Gusts:** 35-45mph
 - **Peak Gusts:** 45-50mph
 - **During sustained Conditions:**
 - **Sustained:** 20-25mph
 - **Common Gusts:** 30-35mph
 - **Peak Gusts:** 35-40mph
- **Temperature:** The high is 42 and the low is 32.
- **Precipitation:** A rainfall of 1.25 inches is expected on Tuesday between 0000h and 1100h in RI. 1 inch and 2.5 inches of snow are expected on Tuesday from 1000h to 1900h in southern and northern RI, respectively. Due to the precipitation changing from rain to snow, it is uncertain how much snow will accumulate during the day.

Forecast Storm Total Snowfall March 13, 2023 4:36 AM

Tonight through
Wednesday Morning

Most of the snow falls
Tuesday into early
Wednesday morning



National Weather Service
Boston / Norton, MA



90 Day Report March 13, 2023 Appendix A

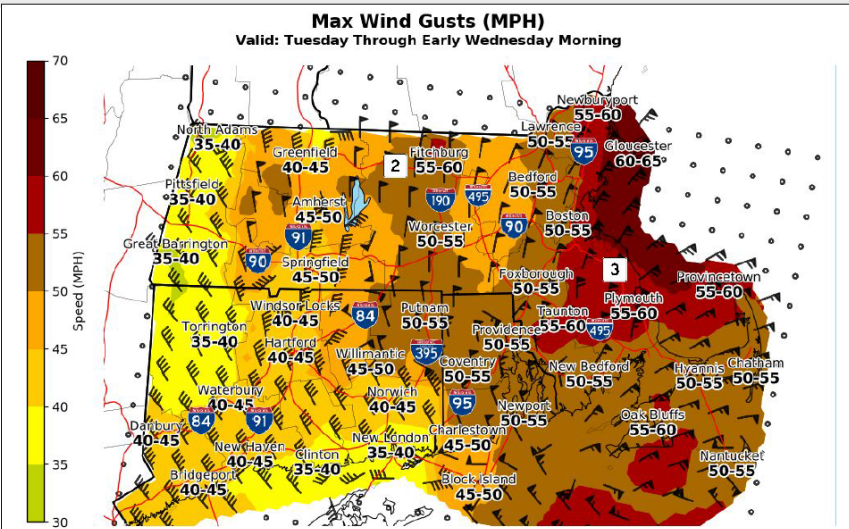
March 13, 2023 **4:36 AM** Temperature and Wind Gust Tables

	Maximum Temperature Forecast										Maximum Wind Gust Forecast																	
	3/13		3/14				3/15				3/16				3/13		3/14				3/15				3/16			
	Mon	Tue	Tue		Wed		Wed		Thu		Mon	Tue	Tue		Wed		Wed		Thu		Mon	Tue	Tue		Wed		Thu	
6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Boston	39	39	39	36	34	32	32	40	39	34	40	46	44	23	35	46	54	54	51	40	33	32	30	24	20	17		
Gloucester	39	39	39	36	35	32	33	39	38	34	39	44	42	25	37	51	63	63	55	48	41	37	35	31	22	17		
Hartford	40	38	37	35	33	33	34	41	40	34	41	48	45	22	29	39	43	43	38	39	40	37	29	21	21	18		
Hyannis	41	42	42	41	39	37	35	39	38	36	39	43	42	32	41	54	51	40	45	51	44	41	39	35	31	21		
Lowell	40	38	37	33	32	31	32	40	39	34	39	47	44	18	26	40	51	51	47	36	32	31	29	22	20	18		
Nantucket	40	41	41	40	41	38	35	39	39	37	39	42	42	33	48	52	47	38	47	52	44	41	40	36	33	22		
New Bedford	40	40	40	37	34	32	33	41	40	34	41	47	44	30	37	53	52	52	48	45	38	33	32	26	22	16		
New Haven	42	39	35	35	35	33	38	41	40	35	39	49	47	24	31	41	39	38	33	37	37	33	25	24	20	16		
Newport	40	40	39	36	34	33	34	39	38	34	40	46	44	33	38	48	47	53	48	41	37	33	30	25	21	17		
Pittsfield	35	33	32	34	34	29	29	31	30	27	33	40	39	25	35	36	36	39	40	40	40	35	24	18	17	15		
Providence	41	39	39	35	33	32	33	41	40	34	41	49	46	22	30	41	51	54	47	39	36	33	30	23	22	18		
Springfield	39	37	36	35	33	32	33	39	38	33	40	47	44	23	31	41	45	44	40	40	40	37	29	20	21	18		
Worcester	37	36	35	32	32	31	31	37	36	32	36	44	41	22	31	41	48	51	47	37	35	35	32	26	22	18		

*Table values in °F Don't see your city? Check out weather.gov/fo *Created: 4 am EDT Mon 3/13/2023 **Values are maximums over the period beginning at the time shown.



March 13, 2023 **4:36 AM** Forecast Wind Gusts





90 Day Report March 13, 2023 Appendix A

3	<p>Incident Commander Update – Al LaBarre</p> <ul style="list-style-type: none"> ▪ Operational Period <ul style="list-style-type: none"> ○ 1st period Tuesday 6 AM to Wednesday 6 AM ▪ Event Type Classification <ul style="list-style-type: none"> ○ Type 3 Event – up to 140,000 customers impacted for up to a 72-hour period. ▪ Emergency Response Objectives <ul style="list-style-type: none"> ○ #1 – Safe preparations & planned operational response for the duration of the event. <ul style="list-style-type: none"> ▪ Prepare your teams to achieve the following: <ul style="list-style-type: none"> • Zero injuries to employees, contractors, and all members of the public • Zero switching incidents • Safe vehicle operation & zero roadway traffic collisions ○ #2 – Establish and maintain effective communications with all Customers, Regulators, and External Agencies prior to and during the event. ○ #3 – Complete safety onboarding for all external resources prior to any work being performed ○ #4 – Respond to all Police & Fire 911 emergency calls within the committed Estimated Times of Arrival
4	<p>Electric Operations Section Chief – Mike Hrycin</p> <p>Set up shifts to start tonight at 10pm along with OH and UG. Remaining internal crews will report at 6am Tuesday as we open the Storm Room, wires downs, contractor, and forestry rooms. Set up a rotation at this time through Wed night, if needed Thursday Contractors will be arriving and staged in Middletown, South Kingstown, Providence, and Warwick Overnight contract crews scheduled to bolster our internal crews Secured 33 Storm Service crews for Damage Assessment and Wires Down 8 retirees if needed for Task Force have been secured Opening CCRI as a staging site for poles and storm kits in Warwick</p>
5	<p>Forestry – Chris Rooney 95 total tree crews</p>
6	<p>Substation Lead – Chris Araujo No exceptions</p>
7	<p>Control Center Lead – Mike Freitas No exceptions</p>
8	<p>Storm Rooms – Jack Carey Will share IT support contacts once received from NG</p>
9	<p>Wires Down – Ken Wood No exceptions</p>



**90 Day Report
March 13, 2023
Appendix A**

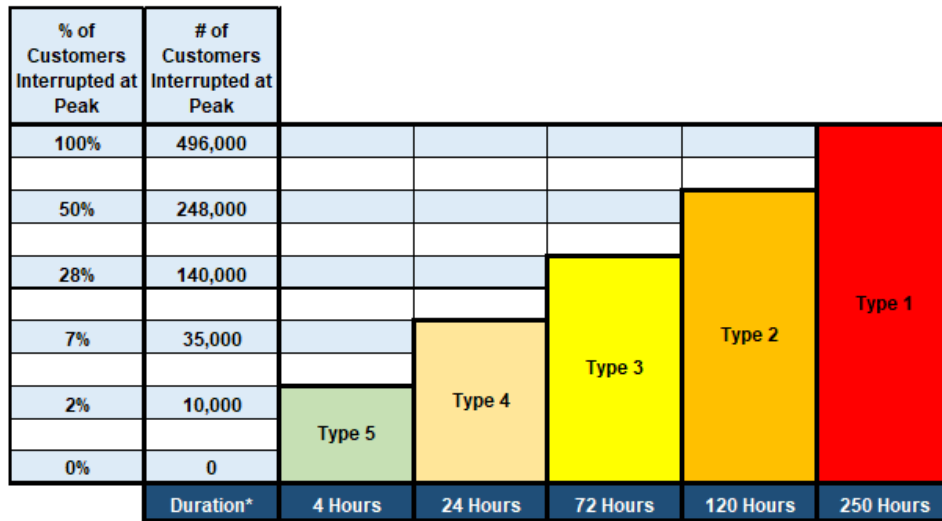
10	External Resource Lead – Brad Wheeler Secured a total of 138 OH line crews / 330 FTEs, all to arrive tonight and ready for work tomorrow morning
11	Transmission Lead – Dan Glenning No exceptions
12	Planning Section Chief – Kathy Castro No exceptions
13	Damage Assessment – Roger Cox 60 FTEs for DA/wires down. Acquired another 3, total now 33 crews
14	Logistics Section Chief – Avia Levin CCRI Staging Site will be operational, stocked, and staff with all needed personnel and materials Meals & Lodging requests have all been met
15	Customer Contact Center Lead – Chris Starr Life Support and Critical Customers notifications will go out today at 1pm
16	External Liaison Officer – Brian Schuster Scheduled call with Gov, REMA, and all muni EMAs this afternoon to provide updates. Muni room is ready to open at 6am tomorrow
17	Public Information Officer – Ted Kresse No media inquiries, expect to pick up this afternoon Press release will be sent out around 1pm or 2pm today, look for email. Key messages distributed later this morning- also
18	Human Resources Officer – Kathy Moar No exceptions
19	Finance Section Chief – Brian Grzesiuk No exceptions
20	Safety & Health Officer – Jim Hopkins At the Crown this evening at 8pm to help with on-boarding
21	Environmental Officer – Brad Labine No exceptions
22	Security Officer – Tim Sanzi Security professional secured to support CCRI staging site through duration of the site being needed
23	Emergency Planning – Steve Parenteau No exceptions
24	Gas Operations Section Chief – Michele Leone No exceptions, Joe will be covering for Michele



90 Day Report March 13, 2023 Appendix A

25	Closing Remarks – Dave Bonenberger Thanks for the great prep, hopefully damage will not be major, but we are ready for what this event is expected to bring
26	Next Scheduled Briefing - Date & Time <ul style="list-style-type: none"> 9:00 AM Tuesday - #1 Restoration Stage Briefing

Rhode Island Simplified Event Classification Index



*95% of customers restored



90 Day Report March 13, 2023 Appendix A

Winter Storm Sage: #1 Restoration Stage Briefing Agenda

MEETING INFORMATION

Date:	3/14/23	Time:	9:00 am
Call Details:	MS TEAMS		

KEY MEETING PARTICIPANTS

D = Delegate X = in attendance

Name	Present	Name	Present
Incident Commander/ Al LaBarre	X	Liaison Officer/ Brian Schuster	X
Control Center Lead/ Mike Freitas	X	Logistics Section Chief/ Avia Levin	X
Elect. Ops Section Chief/ Mike Hrycin	X	Public Information Officer/ Ted Kresse	X
Planning Section Chief/ Kathy Castro	X	Customer Contact Lead/ Chris Starr	X
Substation Lead/ Chris Araujo	X	Safety & Health Officer/ Jim Hopkins	X
Transmission Lead/ Dan Glenning	X	Environmental Officer/ Brad Labine	X
External Resource Lead/ Brad Wheeler	X	Security Officer/ Paul Gordon	X
Forestry Lead/ Chris Rooney	X	Human Resource Officer/ Kathy Moar	X
Storm Rooms/ Jack Carey	X	Finance Section Chief/ Brian Grzesiuk	X
Wires Down/ Ken Wood	X	Gas Operations/ Joe Curley	X
Damage Assessment/ Roger Cox	X	Emergency Planning/ Steve Parenteau	X

#	Agenda Item
1	<p>Safety Message – Jim Hopkins, Safety & Health Officer</p> <p>Driving Awareness: be aware of low lying areas that tend to pool water. Consider a different route, do not know depth of pool 6"-1' could have a current that could result in a vehicle being swept away and being trapped. On highways reduce speed to avoid hydroplaning. If this does happen let off gas, go into coast, keep vehicle as straight as possible. If fishtailing lightly correct away from spin, so going into opposite direction with wheels from tail. As you start to straighten, feather brake until gain traction and can straighten fully and can come to full stop.</p>
2	<p>Weather Forecast & Predicted Impacts – Junfeng Zhu, PPL Principal Data Scientist</p> <p>Analyst Note: There are expected to be two days of intense wind today and tomorrow, which could lead to power outages and tree damage. Wind speeds will range between 15 and 25 mph, with gusts reaching up to 30 to 45 mph. Additionally, there will be rain this morning until 1200h, followed by a shift to snow from 1400h today until 0600h on Wednesday. Due to the temperature and transition from rain to snow, it's challenging to estimate the exact amount of snow accumulation. After discussion with the meteorologist,</p>



90 Day Report March 13, 2023 Appendix A

we believe that northern, central, and southern RI are anticipated to receive 3 to 5 inches, 1 to 3 inches, and a little to 1 inch of snow, respectively.

Today and tomorrow: Winds 15 to 25 mph with 30 to 40 mph gusts. A few brief gusts of up to 45 mph are possible across northern RI. Details are as follows: **Outage producing weather expected.**

- **Timing:** 0200h Tuesday – 1900h Wednesday
 - **Peak Conditions:** 1800h Tuesday – 0500h Wednesday.
 - **Sustained Conditions:** 0500h Wednesday – 2000h Wednesday

- **Location:** This is a territory-wide event

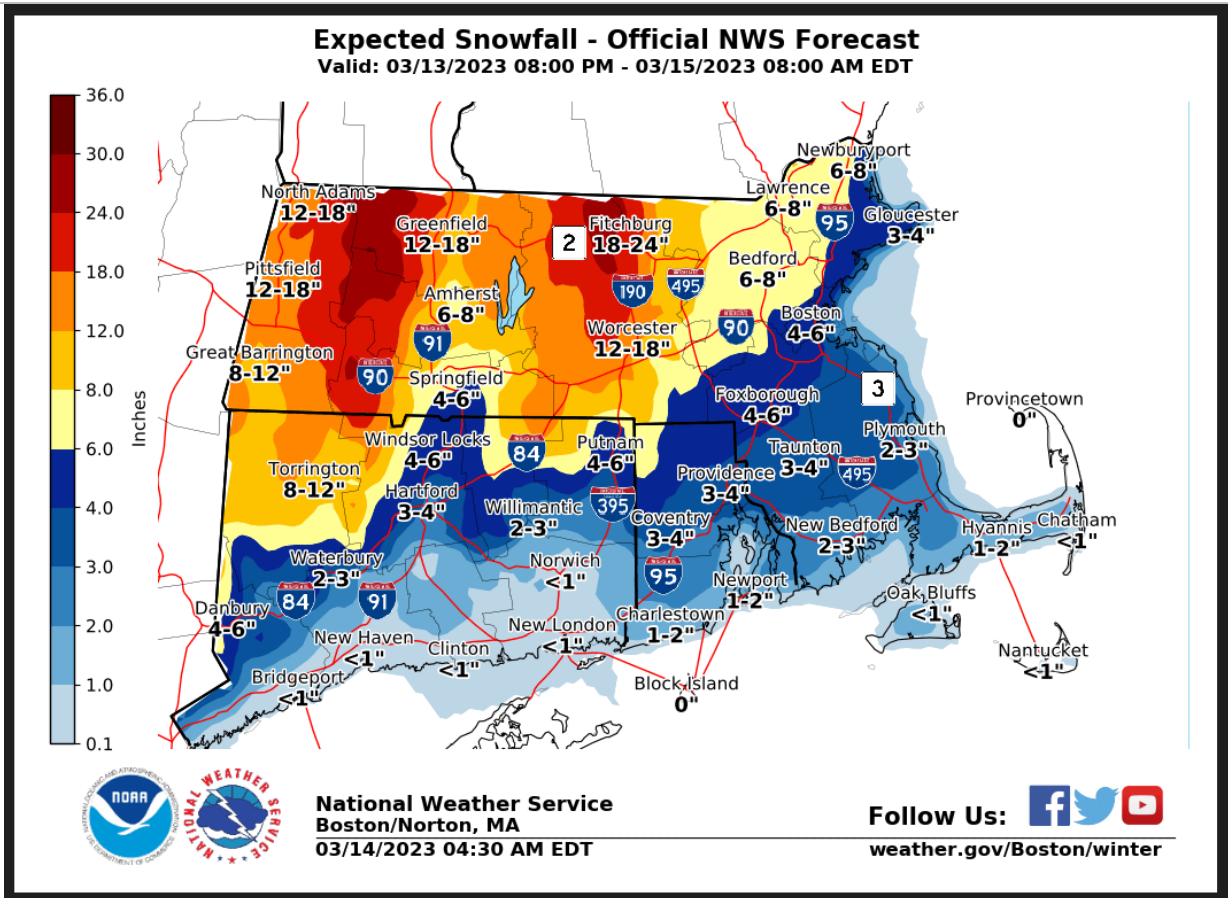
- **Wind Conditions:**
 - **During Peak Conditions:**
 - **Sustained:** 20-25mph
 - **Common Gusts:** 30-40mph
 - **Peak Gusts:** 40-45mph
 - **During sustained Conditions:**
 - **Sustained:** 15-20mph
 - **Common Gusts:** 30-35mph
 - **Peak Gusts:** 30-35mph

- **Temperature:** The high is 43 and the low is 34.

Precipitation: A rainfall of 2 inches is expected on Tuesday between 0000h and 1100h in RI. From 1400h today until 0600h on Wednesday, Northern Rhode Island will get 3 to 5 inches of snow, Central Rhode Island will receive 1 to 3 inches of snow, and Southern Rhode Island will receive a little up to 1 inch of snow.



90 Day Report March 13, 2023 Appendix A



3 Incident Commander Update – Al LaBarre

- **Operational Period**
 - 1st period Tuesday 9 AM to Wednesday 9 AM
- **Event Type Classification**
 - Type 3 Event – up to 140,000 customers impacted for up to a 72-hour period.
- **Emergency Response Objectives**
 - #1 – Safe preparations & planned operational response for the duration of the event.
 - Prepare your teams to achieve the following:
 - Zero injuries to employees, contractors, and all members of the public
 - Zero switching incidents
 - Safe vehicle operation & zero roadway traffic collisions
 - #2 – Establish and maintain effective communications with all Customers, Regulators, and External Agencies prior to and during the event.
 - #3 – Respond to all Police & Fire 911 emergency calls within the committed Estimated Times of Arrival



**90 Day Report
March 13, 2023
Appendix A**

4	Electric Operations Section Chief – Mike Hrycin No exceptions
5	Forestry – Chris Rooney No exceptions
6	Substation Lead – Chris Araujo No exceptions
7	Control Center Lead – Mike Freitas No exceptions
8	Storm Rooms – Jack Carey No exceptions
9	Wires Down – Ken Wood No exceptions
10	External Resource Lead – Brad Wheeler No exceptions
11	Transmission Lead – Dan Glenning No exceptions
12	Planning Section Chief – Kathy Castro No exceptions
13	Damage Assessment – Roger Cox Storm Services DA/Wire Down on-boarding completed this morning
14	Logistics Section Chief – Avia Levin No exceptions
15	Customer Contact Center Lead – Chris Starr No exceptions
16	External Liaison Officer – Brian Schuster Jamestown is asking about out pre-staging plans for crews on the island in anticipation of bridge closings. Brian will follow-up with the Municipal, explain our plans for this event, and follow-up with Electric Ops for any needed actions.
17	Public Information Officer – Ted Kresse High media interest, interviews conducted yesterday afternoon, press release sent, proactive text and email to all customers, including safety and at home storm preparation tips on social media Request – Please relay images collected from the field to support information sharing efforts
18	Human Resources Officer – Kathy Moar No exceptions



90 Day Report March 13, 2023 Appendix A

19	Finance Section Chief – Brian Grzesiuk No exceptions
20	Safety & Health Officer – Jim Hopkins No exceptions
21	Environmental Officer – Brad Labine No exceptions
22	Security Officer – Tim Sanzi No exceptions
23	Emergency Planning – Steve Parenteau VT and NY utilities have requested a North Atlantic Mutual Assistance call at 12pm today Please share with EP any improvement opportunities as they arise.
24	Gas Operations Section Chief – Joe Curley No exceptions
25	Closing Remarks – Dave Bonenberger Please stay committed to your safety focus today, this will be a long duration event well into the evening when the winds and precipitation will intensify.
26	Next Scheduled Briefing - Date & Time <ul style="list-style-type: none">9:00 AM Wednesday - #2 Restoration Stage Briefing

Appendices B-E

Please see the Excel version of Appendices B-E.

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

May 9, 2024

Date

Docket No. 2509 – The Narragansett Electric Company d/b/a Rhode Island Energy Storm Fund – Service List as of 4/8/2024

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	JOliveira@pplweb.com ;	
	KMSchneider@RIEnergy.com ; JRArsenault@RIEnergy.com ;	
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	Todd.bianco@puc.ri.gov ;	
	Alan.nault@puc.ri.gov ;	
	Cynthia.WilsonFrias@puc.ri.gov ;	

Docket D-11-94 Review of Rhode Island Energy’s Storm Reports

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