

November 29, 2011

**VIA HAND DELIVERY & ELECTRONIC MAIL**

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

**RE: Division Docket No. D-11-94  
National Grid Hurricane Irene Response Assessment  
Responses to Division Data Requests (Set 1)**

Dear Ms. Massaro:

Enclosed are one original and five (5) copies of National Grid's responses to the Division's First Set of Data Requests concerning the above-captioned proceeding.

Please be advised that the Company is seeking protective treatment of certain confidential, sensitive and proprietary information contained in Attachment 2-DIV 1-1, Attachment 1-DIV 1-2, Attachment DIV 1-3, Attachment DIV 1-4, and Attachment DIV 1-7, as permitted by Division Rule 3(d) and by R.I.G.L. § 38-2-2-(4)(i)(B). The Company has submitted a Motion for Protective Treatment, and will provide a copy of the confidential attachments mentioned above to the Division upon execution of a non-disclosure agreement. The Company is submitting redacted versions of the above-referenced attachments for the public record.

Thank you for your attention to this transmittal. If you have any questions, please feel free to contact me at (401) 784-7288.

Very truly yours,



Jennifer Brooks Hutchinson

Enclosures

cc: Steve Scialabba, Division  
Leo Wold, Esq.

**STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS**  
**DIVISION OF PUBLIC UTILITIES AND CARRIERS**

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**Docket D-11-94 – National Grid**  
**Hurricane Irene Response Assessment**

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**NATIONAL GRID’S REQUEST  
FOR PROTECTIVE TREATMENT OF CONFIDENTIAL INFORMATION**

National Grid<sup>1</sup> hereby requests that the Division of Public Utilities and Carriers (“Division”) provide confidential treatment and grant protection from public disclosure of certain confidential, sensitive, and proprietary information submitted in this docket, as permitted by Division Rule 3(d) and R.I.G.L. § 38-2-2(4)(i)(B). National Grid also hereby requests that, pending entry of that finding, the Division preliminarily grant National Grid’s request for confidential treatment pursuant to Rule 3(d).

**I. BACKGROUND**

On November 29, 2011, National Grid is filing with the Division its responses to the Division’s First Set of Data Requests. Specifically, the Company is filing its responses to Data Request DIV 1-1, DIV 1-2, DIV 1-3, DIV 1-4 and DIV 1-7, which are the subject of this motion. Attachment 2-DIV 1-1, Attachment 1-DIV 1-2, and Attachment DIV 1-3 contain confidential contact information of individuals integral to the implementation of the Company’s Electric Emergency Plan (“EEP”) and the

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<sup>1</sup> The Narragansett Electric Company d/b/a National Grid (“National Grid or “the Company”).

Company's U.S. Electricity operations. Attachment DIV 1-4 contains critical utility infrastructure information that the Company treats as sensitive and proprietary to its business. Attachment DIV 1-7 contains the names of customers and municipalities, which the Company has historically regarded as confidential and proprietary to those customers. National Grid is requesting protective treatment for the confidential and proprietary information contained in the above-referenced attachments, which the Company has redacted.

## **II. LEGAL STANDARD**

The Division's Rule 3(d) provides that access to public records shall be granted in accordance with the Access to Public Records Act ("APRA"), R.I.G.L. §38-2-1, *et seq.* Under APRA, all documents and materials submitted in connection with the transaction of official business by an agency is deemed to be a "public record," unless the information contained in such documents and materials falls within one of the exceptions specifically identified in R.I.G.L. §38-2-2(4). Therefore, to the extent that information provided to the Division falls within one of the designated exceptions to the public records law, the Division has the authority under the terms of APRA to deem such information to be confidential and to protect that information from public disclosure.

In that regard, R.I.G.L. §38-2-2(4)(i)(B) provides that the following types of records shall not be deemed public:

Trade secrets and commercial or financial information obtained from a person, firm, or corporation which is of a privileged or confidential nature.

The Rhode Island Supreme Court has held that this confidential information exemption applies where disclosure of information would be likely either (1) to impair

the Government's ability to obtain necessary information in the future; or (2) to cause substantial harm to the competitive position of the person from whom the information was obtained. Providence Journal Company v. Convention Center Authority, 774 A.2d 40 (R.I.2001).

The first prong of the test is satisfied when information is voluntarily provided to the governmental agency and that information is of a kind that would customarily not be released to the public by the person from whom it was obtained. Providence Journal, 774 A.2d at 47.

In addition, the Court has held that the agencies making determinations as to the disclosure of information under APRA may apply the balancing test established in Providence Journal v. Kane, 577 A.2d 661 (R.I.1990). Under that balancing test, the Division may protect information from public disclosure if the benefit of such protection outweighs the public interest inherent in disclosure of information pending before regulatory agencies.

## **II. BASIS FOR CONFIDENTIALITY**

The Company seeks protective treatment for the contact information of various personnel integral to the effective functioning of its EEP and its U.S. Electricity operations. The Company treats this information as confidential and for internal use only. There are a range of potential risks to public safety that arise from publicly disclosing the contact information of Company personnel in the context of its EEP and related emergency planning operations. For example, the Company's EEP and related emergency planning documents identify key Company personnel by name and phone



number and in certain instances e-mail addresses. Armed with such information, an individual with malicious intent could, for example, pester those individuals with repeated phone calls, or impersonate those individuals in an attempt to mislead or manipulate the emergency response operations. In either case, such disruptions would hinder the Company's ability to carry out its emergency response operations and jeopardize public safety. Accordingly, the contact information of key personnel warrant protection under R.I.G.L. §38-2-2(4)(i)(B).

In addition, the Company seeks protective treatment of certain information identified above in Attachment DIV 1-4, which contains information regarding sensitive information about the Company's electric transmission infrastructure. The transmission infrastructure information present in Attachment DIV 1-4 is critical to the safe and reliable operation of the electric system in the Company's service territory and the safety of the public in general. The information should be treated in a confidential manner because, to the extent that disclosure of this information to the public facilitated the ability of individuals to damage the Company's utility infrastructure, and the Company's equipment was compromised through the intentional or negligent actions of those individuals, the Company's ability to provide safe and reliable electric service would be jeopardized.

Moreover, public disclosure of this information would be contrary to the public interest and represent an undue risk to public safety. In this post-September 11 age of increased vigilance against potential acts of terrorism and sabotage, extreme care must be exercised to protect sensitive information regarding the location of critical electric distribution infrastructure from unnecessary public disclosure. For these reasons, the

Division should provide protective treatment for the critical utility infrastructure information in Attachment DIV 1-4.

Lastly, the Company seeks protective treatment of certain customer information contained in Attachment DIV 1-7. This attachment contains the names of customers and municipalities impacted by Tropical Storm Irene. Customer identifying information has historically been deemed proprietary to each customer, and customers have come to expect that National Grid will maintain this information on a confidential basis.

### **III. CONCLUSION**

Accordingly, the Company requests that the Division grant protective treatment to (i) the confidential contact information in Attachment 2-DIV 1-1, Attachment 1-DIV 1-2, and Attachment DIV 1-3; (ii) the critical utility infrastructure information in Attachment DIV 1-4, and (iii) the confidential customer information in Attachment DIV 1-7, and that the information not be placed in the public docket.

**WHEREFORE**, the Company respectfully requests that the Division grant its Motion for Protective Treatment as stated herein.

Respectfully submitted,

**NATIONAL GRID**

By its attorney,



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Jennifer Brooks Hutchinson (RI Bar #6176)  
National Grid  
280 Melrose Street  
Providence, RI 02907  
(401) 784-7288

Dated: November 29, 2011

Division 1-1

Request:

Please provide copies of Corporate Crisis Management Plan (CMP) and Transmission Restoration Plan documents prepared and referenced by National Grid in its Electric Emergency Plan (EEP).

Response:

The Corporate Crisis Management Plan has been superseded by the US Strategic Response Plan dated 6/17/2011. Please see Attachment 1 - DIV 1-1. The Transmission restoration plan is attached as Attachment 2 - DIV 1-1. It is currently under review due to the corporate restructuring. Because Attachment 2- DIV 1-1 contains confidential contact information of individuals integral to the implementation of the Company's Electric Emergency Plan, the Company is submitting redacted copies of Attachment 2- DIV 1-1, subject to a motion for confidential treatment.

Prepared by or under the supervision of:  
Robert Schneller and Frederick Raymond



# **US Strategic Response Plan**

**Version 2011-1**

This **Strategic Response Plan (SRP)** formally establishes and documents National Grids' approach for responding to issues or incidents that threaten our business or reputation. This Plan provides a flexible framework that enables the effective and efficient use of company resources during a real or potential crisis; augmenting existing plans, procedures and processes at the Service, Function, Jurisdiction and business location level for Business Continuity and Incident Management.

The breadth and depth of the Strategic Response Plan in terms of the risks it is designed to handle, extends beyond those traditionally addressed by the Business Continuity Management Program. The intent of this Plan is to protect the security, safety and welfare of our people, the environment, property, assets, operations and critical processes at National Grid.

**Executive Director:**

**Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Revision #	Issue Date	Issued By	Summary of Revisions
0	6/17/2011	Emergency Planning	Original Document

**Distribution – The Plan shall be provided to:**

- The CEO and Group Executives
- The Strategic Response Team (SRT) members
- UK Business Resilience Group
- US Emergency Planning/PMO

**Strategic Response Plan Changes**

It is anticipated that the National Grid Strategic Response Plan will be periodically updated and sent to the above mentioned personnel for approval of changes.

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The Strategic Response Plan is produced by representatives of National Grid Company plc. Accordingly, copyright in the Strategic Response Plan, all policies referred to therein and all subsequent Amendments (collectively referred to in this copyright notice as the "Plan") is owned by National Grid Company plc. The Plan is for use within National Grid only. You must not send the Plan (or any pass copies of the Plan to any third party. You may make a reasonable number of copies of the Plan (including downloading an electronic format) for your internal business purposes only. Any amendments, modifications or deletions to or of the content of the Plan must first be approved by the Strategic Response Team and recorded in writing on the Document Control Sheet (*National Grid Legal Services. August 2003*)

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Contents

I. Summary..... 4

II. Strategic Response Structure ..... 5

III The Role of the Strategic Response Team (SRT) ..... 6

IV Designated Strategic Response Team office accommodation ..... 11

**Appendix A** Establishing the Strategic Response Team..... 12

**Appendix B** Establishing the Scope of the Tactical and Operational Team Responsibilities..... 13

**Appendix C** SRT Chairperson..... 15

**Appendix D** Communications Representative ..... 16

**Appendix E** Safety, Health, and Environmental (SHE) Representative ..... 17

**Appendix F** Security Representative..... 18

**Appendix G** Government Liaison Representative ..... 19

**Appendix H** Incident Team Liaison..... 20

**Appendix I** Operations, Maintenance and Construction Representative ..... 21

**Appendix J** Finance/Investor Relations Representative..... 22

**Appendix K** Human Resource Representative ..... 23

**Appendix L** Legal Representative ..... 24

**Appendix M** Information Services Representative ..... 25

**Appendix N** Shared Services Representative..... 26

**Appendix O** Customer Representative ..... 27

**Appendix P** Expanded SRT Members..... 28

**Appendix Q** SRT Support Manager ..... 29

**Appendix R** SRT Technical Secretary ..... 30

**Appendix S** Approving the Recovery Strategy ..... 31

**Appendix T** SRT Incident Log Template ..... 32

**Appendix U** Document Revisions..... 33

## I. Summary

The purpose of the National Grid Strategic Response Plan is to provide a process of reporting and information sharing for all incidents, emergencies, business interruptions and emerging issues that have the recognized potential of becoming a crisis. The Strategic Response Plan establishes a base policy and framework for Crisis management policies and procedures as part of the Business Continuity Management Program.

The Strategic Response Plan (SRP) details the arrangements for the establishment and operation of the **Strategic Response Team (SRT)**. The principles of a Strategic Response are the same in the UK and the US, and although there are different interfaces and external response structures to account for in each country, the way a Strategic Response Team works should be the same regardless of its location.

Appendices are included which set out specific arrangements for external interfaces and response in the US and UK, and also to summarize the language and tools used in different types of emergency.

### **Overview of Framework**

Best practice for incident response is to adopt a three tiered response structure comprised of Strategic, Tactical, and Operational levels. This aligns with government and emergency services response structure in both the UK and the US.

#### **Strategic Response**

Ensure a coherent, safe and timely response to a major incident or series of incidents and, by ensuring effective communications with all stakeholders, to minimize negative impact on National Grid's reputation.

#### **Tactical Response**

Manage and progress the incident (either at site or in the Emergency Operations Center (EOC)) by implementing incident/emergency procedures, planning ahead and ensuring the Operational Team has the facilities and personnel it needs to handle the incident. Liaise with third parties as appropriate.

#### **Operational Response**

Front line staff (such as control room, field force or IS support teams), shall make safe, re-secure networks and repair using standard operating procedures or for non-operational type incidents local procedures.

## II. Strategic Response Structure

Approximately 95% of all incidents will be handled at the Tactical Response level. However, the remaining small percentage will require the activation of Strategic Response and participation of executive management. The layered capability of Strategic Response shown below defines how National Grid will integrate Strategic Response efforts and coordinate it with day-to-day management.

The National Grid Strategic Response structure has three primary levels: **Strategic, Tactical and Operational.**





### **III The Role of the Strategic Response Team (SRT)**

#### **3.1 Objectives of the SRT**

It is envisaged that the Strategic Response Team will not need to be established in most cases, but the membership should be made aware of all potential/actual significant incidents early in the communication process.

If established, the role of the SRT is to:

- Ensure a coherent, safe and timely response at a strategic level
- Seek to minimize potential negative impact on the company's share price, media coverage, finances and reputation;
- Manage the interface with the Government and across industry, including relevant regulators, ensuring that National Grid is appropriately represented within industry response teams;
- Act as a single point of contact for those responsible for handling media, financial, government, regulatory and shareholder inquiries and communications with employees and contractors (and their dependants as appropriate).

#### **3.2 CORE SRT Members' Individual Roles**

Core SRT members will perform the following roles:

- SRT Chairperson
- Communications Representative
- Safety, Health and Environmental (SHE) Representative
- Security Representative
- Government Liaison Representative
- Incident Team Liaison
- Operations, Maintenance and Construction Representative
- Finance/Investor Relations Representative
- Human Resource Representative
- Legal Representative
- Information Services Representative
- Shared Services Representative
- Customer Representative
- SRT Support Manager
- SRT Technical Secretary

Exact membership and required roles will be dependant upon the nature and extent of the incident / emergency.

If not already part of the initial notification, the SRT Chair will advise the Chief Executive of the decision to establish the SRT. The Chairman, Deputy Chairman and other Executive Directors will be advised as appropriate.

### 3.3 EXPANDED SRT Members' Individual Roles

Expanded SRT members will perform the following roles:

- Regulation & Pricing Representative
- FERC Representative
- Global Procurement Representative
- Media Relations Representative
- Network Strategy Representative

### 3.4 Responsibilities of the SRT

The responsibilities of the Strategic Response Team will vary according to the nature of the incident; therefore, not all of the following responsibilities will necessarily be undertaken. The list is for guidance only.

- Establish and communicate Response and Recovery stage strategies and objectives
- Establish **Tactical Team Incident Lead** and scope of tactical responsibilities
- Approve the communications strategy, both internal and external
- Liaison with the Government (as appropriate), and other companies in the utility sector
- Assess the legal, insurance, commercial and regulatory implications of the incident
- Compile a record of SRT discussions and decisions
- Stand down the SRT
- Establish a post-incident review panel

Guidance notes are contained in the Appendices.

The SRT and the Tactical/Operational Teams must at all times have due regard to confidentiality and non disclosure issues (contractually, by statute and under license) restricting the flow of information between the Gas and Electricity businesses and the Distribution businesses, as well as to other third parties.

### **3.5 Global Events & Mutual Support**

The SRT membership should consider the potential global impact of an event. An event taking place in the UK may have an impact in the US and vice versa. The UK and US based parts of the company have an understanding for providing mutual assistance during a prolonged incident. This can be utilized where expertise or equipment from other parts of the company could be diverted to support an ongoing incident.

### **3.6 Informing the SRT Membership**

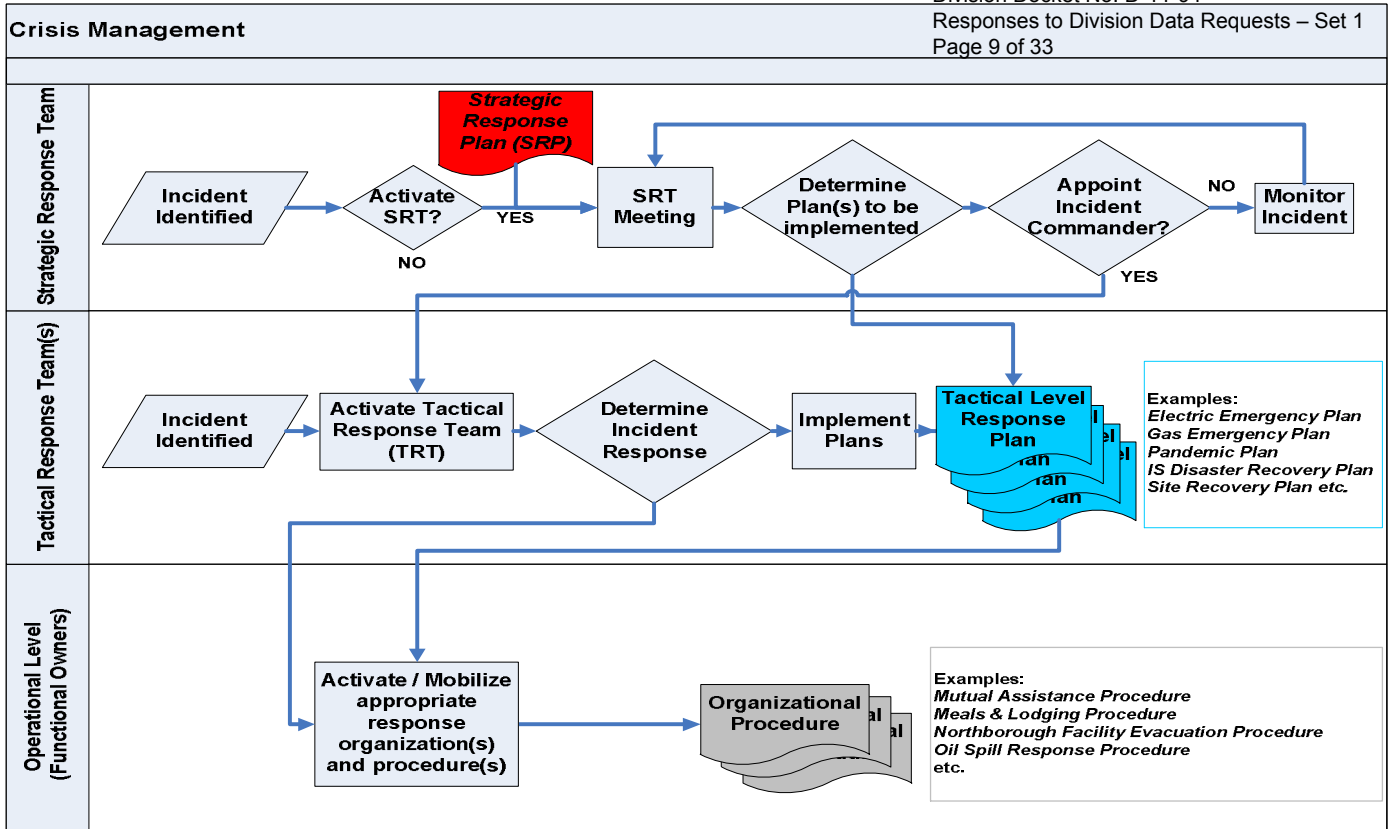
The SRT will not need to be established in most cases, but the membership should be made aware of all potential or actual significant incidents early in the communications process.

Early communication will enable a considered assessment of the likely business areas that could be impacted and the scale of their involvement. This is important to ensure the most appropriate response as the situation develops.

### **3.7 Activating the SRT**

The decision to establish the SRT will normally be made by the SRT Chair or Executive Director. Consideration shall be that the incident (or potential incident) is of a serious nature with significant implications to National Grid or any of its Group companies. It may include one or more of the following:

- Impacts on corporate reputation at National / International level
- Is of significant material interest to shareholders and to major suppliers and consumers
- Involves serious injuries and/or fatalities to employees, contractors or to the public
- Severe operational incidents
- Involves serious environmental consequences
- If there are material legal, insurance, commercial or regulatory implications
- There is a 3<sup>rd</sup> party commercial failure impacting National Grid
- Potential or actual failure of a National Grid Business
- Acts of war, terrorism, kidnap/ransom, civil disturbance
- Significant shortage of gas or electricity or both
- Invocation of emergency powers by Government



Examples of Hazards and Vulnerabilities that May Invoke Activation of the SRT		
<b>SECURITY</b> <ul style="list-style-type: none"> <li>Political Instability/Civil Disorder</li> <li>International Conflicts</li> <li>Terrorist Acts</li> <li>Employee Kidnapping</li> <li>Consumer/Activist Protests</li> <li>Workplace Violence</li> </ul> <b>PRODUCT</b> <ul style="list-style-type: none"> <li>Supply Chain Interruption</li> <li>Product Recall</li> <li>Quality Issues</li> <li>Sub-par Supplier Product</li> </ul> <b>EMPLOYEE</b> <ul style="list-style-type: none"> <li>Employee Sabotage</li> <li>Workplace Violence</li> <li>Labor Disruption</li> </ul>	<b>OPERATIONAL</b> <ul style="list-style-type: none"> <li>Product Related</li> <li>Fire/Explosion</li> <li>Environmental Issues</li> <li>Transportation Accident</li> <li>Large Scale IS Failures</li> <li>Supply Chain Disruptions</li> <li>Loss of Utilities</li> </ul> <b>GOVERNMENTAL</b> <ul style="list-style-type: none"> <li>Manufacturing Process</li> <li>Regulatory Action/Enforcement</li> <li>Labor</li> <li>Environment</li> <li>Financial</li> <li>Transportation</li> <li>Regulatory Breach</li> </ul>	<b>CORPORATE GOVERNANCE</b> <ul style="list-style-type: none"> <li>Corporate Malfeasance</li> <li>Fraud/Scandal</li> <li>Loss of Leadership</li> </ul> <b>NATURAL DISASTERS</b> <ul style="list-style-type: none"> <li>Floods</li> <li>Weather Related Events</li> <li>Earthquakes</li> </ul> <b>PUBLIC RELATIONS</b> <ul style="list-style-type: none"> <li>Community Issues</li> <li>National/Local Media Issues</li> </ul>

The first SRT member contacted would be known as the **SRT Initial Contact**. The SRT Initial Contact and SRT Chair/Executive Director would determine if an incident is of sufficient impact that the SRT should be established.

### 3.7 Typical SRT Agenda

1. Roll Call
2. Situation update
3. Discuss whether activation of the full SRT is warranted
4. Assign/review roles and responsibilities (including appointment of Tactical Lead)
5. Define key issues and strategic objectives/decisions
6. Identify long-term issues
7. Allocation of actions
8. Next meeting arrangements

Note: Prior to start of meeting, two Technical Secretaries shall be appointed to compile a record of SRT discussions and decisions.

### 3.8 Standing down the SRT and post incident review

The **SRT Chair** will:

- Make the decision as to whether the SRT can be stood down
- Decide whether or not a review group needs to be established
- Advise SRT members of arrangements for the review group

The SRT Chair should appoint a member of the SRT to be the **Single Point of Contact** for any post incident review. The role of the Single Point of Contact is to help establish and assist the review team but not to lead it.

The Single Point of Contact with the Tactical Team Incident Lead will inform the Tactical Team that the SRT is standing down.

Although the strategic issues may have been resolved, the incident may still be live under the control of the Tactical and Operational teams as tactical and operational matters may not have been completed.

The responsibility for standing down of these teams will rest with the individual team leaders.

The SRT should also advise any other internal/external departments that they have been in contact with that they are standing down. If appropriate, they may wish to provide alternative contacts for the remainder of the recovery.

The SRT should make an entry in their logbook of the time that they are standing down and why the decision was made.

National Grid plc has existing procedures for investigating incidents. These procedures should be used by the Single Point of Contact when establishing the review team.

The Post-Incident review should involve the Tactical Team Incident Lead.

#### **IV Designated Strategic Response Team office accommodation**

A designated Incident Room/Emergency Operations Center (EOC), will be established and will have a minimum of one back up site. Each room will be equipped with:

- Conference call telephone on a resilient telephone line
- Flip charts and whiteboard
- HD Video Conferencing
- Projection capability

There will also be access to essential information such as Network diagrams; however, the onus will be on SRT members if they wish to bring their own equipment such as laptops into the actual SRT meetings. Access to the usual office facilities would be close at hand at any of these sites.

Each Incident Room/EOC will have access to an emergency kit containing the Strategic Response Plan, contact numbers and other relevant information.

## Appendix A Establishing the Strategic Response Team

1. In most cases the trigger to establish an SRT will come from an incident team within a directorate in National Grid.
2. The first SRT member contacted (**SRT Initial Contact**) should notify the appropriate Executive and agree to the following:
  - a. Whether or not the SRT should be established and by which method:
    - i. Videoconference
    - ii. Teleconference
    - iii. Location and time where people should meet; with consideration being given to location of the actual incident (See Section IV for designated office accommodation)
  - b. Which members of the Expanded SRT would be appropriate for the incident type
3. SRT Initial Contact to liaise with appropriate SRT members in order to:
  - a. Brief them on the current incident situation
  - b. Advise them of video/teleconference times and telephone numbers; or
  - c. Advise them where and at what time they should attend the first SRT meeting.
4. The SRT should also appoint an **SRT Support Manager** and **SRT Technical Secretaries** from a pre-designated list.
5. Establish **Single Points of Contact**
6. Once the SRT has been established the SRT Initial Contact will contact the **Tactical Team Incident Lead** to advise:
  - Confirm formation of SRT, or confirm if further information is required
  - Update them of an SRT location
  - Advise them of contact details for SRT
  - Confirm the SRT Single Point of Contact and provide contact information

This would normally be the **SRT Incident Team Liaison Representative** (see *Appendix G*) who will be responsible for providing situation updates.

The Tactical Team Incident Lead will provide a single point of contact (number and name) for the SRT to use for all further communication.

## **Appendix B     Establishing the Scope of the Tactical and Operational Team Responsibilities**

1. The scope of the Tactical and Operational teams' responsibilities will vary and will depend on the nature and type of the incident.
2. In many cases both the Tactical and Operational teams will be in place and fulfilling their specific roles as set out in existing operational procedures prior to the formation of the SRT.
3. In other cases the SRT may be the first team to be established and will be required to set out the scope for the Tactical and Operational teams.
4. The following guidelines cover the SRT being formed prior to any Tactical or Operational team:

Having received notification of an incident and made the decision to form the SRT, the SRT will:

- a. Make the decision as to whether a Tactical and Operational team will be required by considering:
    - i. Incident Type
    - ii. Likely time-scales of incident
    - iii. Potential impact of incident
    - iv. External implications
    - v. Procedures that need to be implemented
    - vi. Desired outcome of incident
    - vii. Information required by the SRT in order for them to perform their role
    - viii. Knowledge and expertise required to provide information or undertake required actions
  - b. Based on the above, the SRT should then decide what the responsibilities of the Tactical and Operational Team(s) will be, considering:
    - i. Physically making situation safe
    - ii. Avoidance of further incidents
    - iii. Provision of information
    - iv. Advice on procedures in place
    - v. Limiting the impact of the incident
    - vi. Arranging the recovery of business critical processes
5. The SRT shall then identify the Tactical Team Incident Lead considering:
    - a. Location and nature of incident
    - b. Location of personnel
  6. The SRT shall contact the Tactical Team Incident Lead and:
    - a. Provide Tactical Team Incident Lead with Single Point of Contact in SRT
    - b. Request Tactical Team single point of contact
    - c. Brief Tactical Team Incident Lead on incident
    - d. Detail Tactical Team responsibilities



- e. Detail any time-scales
- f. Discuss and agree to Operational Team requirements
- g. Give immediate advice to Operational Team on media handling, strategic priorities or other relevant issues.

## **Appendix C     SRT Chairperson**

### **ROLE AND RESPONSIBILITIES**

1. To give direction to the SRT on their responsibilities
2. Ensure that the SRT perform efficiently by:
  - a. Confirming the roles within the SRT – note these should be flexible
  - b. Ensuring National Grid has appropriate Government representation
  - c. Identifying a media spokesperson (external to, or within, the SRT)
  - d. Appointing a SRT Support Manager and Technical Secretaries.
3. Ensure that a log of actions is kept, which could be used in a post incident investigation
4. Ensure the SRT adopt conventional best practice approach to incident
  - a. Command and Control
  - b. The SRT operates at strategic level by taking the long term view and ensuring wide implications are considered
5. Arrange post incident review of SRT performance

## **Appendix D    Communications Representative**

### **ROLE AND RESPONSIBILITIES**

1. To advise the SRT on the most effective communication strategy to adopt
2. To advise the SRT on appropriate information to release to the media and ensure control of consistent messages
3. To update the SRT on any local / tactical communications strategy
4. To provide the SRT with copies of all Company press releases
5. To update the SRT on external media situation
6. To advise the SRT on perception of Company post press release
7. To implement any communication actions as a result of decisions made by the SRT
8. To provide adequate resources and facilities to support the SRT role, if required
9. To advise the SRT on an appropriate media spokesperson (external to, or within, the SRT)
10. To brief spokesperson on media response

### **Guidance Notes: Approving the Communications Strategy**

1. A role of the SRT is to consider, agree and approve the media and staff messages during an incident.
2. The National Grid businesses have established communication procedures that are designed to serve the varying needs of Transmission, Distribution and other Business Units.
3. National Grid Communications has a process in place for setting up a communications incident center (Tactical level) which should be implemented for any incident where external communications will be an issue.
4. Communications will support the SRT and take the lead in ensuring the co-ordination of messages (both external and to employees) during an incident. This role will provide guidance on the content and form of communications, and resources to prepare and distribute communication messages.

## **Appendix E**      Safety, Health, and Environmental (SHE) Representative

### **ROLE AND RESPONSIBILITIES**

1. To provide advice and guidance on safety, health and environmental issues to the SRT
2. To ensure that safety standards are maintained throughout National Grid
3. To provide adequate resources and facilities to support the SRT role, if required

## **Appendix F**      **Security Representative**

### **ROLE AND RESPONSIBILITIES**

1. To provide advice and guidance on security issues to the SRT
2. To ensure that appropriate security levels are implemented throughout National Grid
3. To provide adequate resources and secure facilities to support the SRT role, if required
4. To provide advice relating to external support and agencies

## **Appendix G    Government Liaison Representative**

### **ROLE AND RESPONSIBILITIES**

1. To provide regulatory bodies with relevant incident updates
2. To provide feedback to the SRT from the regulators
3. To liaise with other government agencies as appropriate

### **Guidance Notes**

1. The SRT may wish to communicate with the Government to convey key messages about the management of the incident or seek Government action.
2. Corporate Affairs will advise the SRT of the appropriate government contacts to be made and will facilitate access.
3. Tactical teams in electricity and gas emergencies will utilize existing operational procedures, which in some cases include making direct contact with specific Government Departments. These arrangements will not change.

## **Appendix H** Incident Team Liaison

### **ROLE AND RESPONSIBILITIES**

Note these responsibilities are applicable to any SRT members interfacing with a Tactical Level team. This will typically be from a Tactical team from their own business unit.

1. To liaise with Tactical Team Incident Lead(s)
2. To provide the SRT with incident updates
3. To provide the SRT with incident strategy adopted by Tactical teams
4. To advise the SRT on Tactical teams responsibilities
5. Provide strategic direction to Tactical teams and inform them of decisions made by the SRT

## **Appendix I**      **Operations, Maintenance and Construction Representative**

### **ROLE AND RESPONSIBILITIES**

1. Define the strategy for recovery in gas and/or electric emergency situations
2. Identify impacts to construction activities for gas and/or electric operations
3. Update the SRT on the status of emergency response/restoration to gas and/or electric operations



## **Appendix J** Finance/Investor Relations Representative

### **ROLE AND RESPONSIBILITIES**

1. To advise the SRT on possible financial and reputational implications of the incident
2. If necessary, to set up a cost code for expenditure in connection with the incident
3. To liaise with major investors and other stakeholders as appropriate

### **Guidance Notes**

1. The SRT will need to consider the financial and reputational impact of an incident, particularly if the incident is prolonged.
2. Advise the SRT on the financial and reputational impact to National Grid of an incident involving a major supplier, contractor, alliance partner or other third party.
3. If it is necessary to procure essential additional emergency/repair services or equipment, it is essential that a cost code be put in place as soon as possible.
4. Working with the Communications Representative, liaise as appropriate with external stakeholders to keep them informed of National Grid's actions and minimize the reputational impact as much as possible.

## **Appendix K     Human Resource Representative**

### **ROLE AND RESPONSIBILITIES**

1. Coordinate support required from members of the HR and Shared Services teams and facilitate their availability.
2. Assess the welfare needs of employees and contractors involved in the incident and arrange additional support where necessary.
3. Provision of support (through HR teams and suppliers) to employees, contractors and relatives as necessary.
4. Advise the SRT on employee relations strategy in relation to the incident. Liaise with Trade Unions as necessary.
5. Input into the understanding of human resource requirements at Strategic, Tactical and Operational level.
6. Advise the SRT on HR policy and procedures for authorization of additional resources and amendments to working hours and conditions. Facilitate processing of changes required to support the SRT (e.g. fast procurement of additional resources).
7. Facilitate urgent access to HR information, including people details and training records.

## **Appendix L      Legal Representative**

### **ROLE AND RESPONSIBILITIES**

1. To advise the SRT on the legal and regulatory implications of any actions taken
2. To implement any legal actions required as a result of decisions made within the SRT
3. Advise on the drafting of any statements or reports emanating from the SRT
4. To provide adequate resources and facilities to support the SRT role, if required

### **Guidance Notes**

1. Tactical teams in electricity and gas emergencies will concentrate on recovery actions but will seek guidance from the SRT on recovery prioritization.
2. The SRT needs to consider the wider implications and make judgements as to the preparation and implementation of measures to mitigate any risks in the legal, insurance, commercial and regulatory areas. On the formation of the SRT an immediate call should (if the General Counsel has not already been contacted as a member of the SRT) be made to Legal to ensure that any legal risk management processes are put in place without delay.
3. To support its considerations, the SRT might consider expanding its membership to include representatives from insurance, commercial and regulation, or calling additional support such as a separate working group to examine the potential implications of the incident and alternative courses of action.

## **Appendix M**      Information Services Representative

### **ROLE AND RESPONSIBILITIES**

1. Define the strategy for recovery of all National Grid applications, servers, data centers, etc.
2. Provide technical support and advice regarding all National Grid applications, servers, data centers, etc.
3. Update the SRT on Disaster Recovery concerns

## **Appendix N**      Shared Services Representative

### **ROLE AND RESPONSIBILITIES**

1. Advise the SRT on property strategy
2. Update the SRT on customer and transactional issues and complications

## **Appendix O**      Customer Representative

### **ROLE AND RESPONSIBILITIES**

1. Ensure that the strategy defined by the SRT to manage the event is clearly communicated to Tactical level organizations and functions critical within the Customer organization are viable at acceptable levels.
2. Communicate with the SRT throughout the event, particularly sharing issues of frequent recurrence from customers and vendors.
3. Collaborate with the Public Information Officer regarding the communications to customers and ensure it is a consistent message that is being issued to the media.
4. Advise SRT of events that may threaten the acquisition of electric and gas energy.

## **Appendix P**      **Expanded SRT Members**

### **ROLE AND RESPONSIBILITIES**

The Core and Expanded SRT teams will always be activated. However, depending on the event, the Expanded team members will be excused if not essential.

- **Regulation & Pricing Representative**
  1. Update the SRT on the impacts to rate cases and regulatory filings.
  2. Advise the SRT on communications with the various external regulatory institutions.
  3. Support each jurisdiction in all rates, pricing and regulatory policy matters.
- **FERC Representative**
  1. Define strategy on how to maintain National Grid operations while remaining in compliance with FERC
  2. Liaise with FERC contacts and provide feedback to the SRT membership
- **Global Procurement Representative**
  1. Advise the SRT on pending contracts and purchases for goods & services necessary for recovery
  2. Liaise with suppliers and internal partners to obtain critical item for impacted Business Units.
- **Media Relations Representative**
  1. To provide expertise on interaction with the media and ensure control of consistent messages
  2. To update the SRT on external media situation
  3. To brief spokesperson on media response
- **Network Strategy Representative**
  1. Advise the SRT of issues involving engineering, asset management and network planning.
  2. Identify potential impacts to US investment plan.

## **Appendix Q**      **SRT Support Manager**

### **ROLE AND RESPONSIBILITIES**

1. To advise the SRT on their responsibilities and the SRP process
2. To advise the SRT on Tactical and Operational Team responsibilities
3. To support the SRT with information gathering
4. To provide additional facilities and support for the SRT as required
5. To ensure 24 hour SRT coverage is maintained where appropriate, when the SRT is activated

Note: The decision as to when the SRT Support Manager is called in and who it should be will rest with the SRT Chair.



## **Appendix R      SRT Technical Secretary**

### **ROLE AND RESPONSIBILITIES**

1. To maintain the SRT incident log
2. To agree to log keeping methodology with Chairperson
3. To log comments / actions / relevant information when requested by a member of the SRT. An Incident Log Template is provided in Appendix S.
4. All entries to the log will be authorized by the Chairperson
4. Produce minutes of meetings/action lists to time scales required by the Chairperson
5. Record any other relevant information

### **Guidance Notes: Compiling a Record of all SRT Discussions and Decisions**

1. If an incident is likely to be prolonged, it may be worth appointing two SRT Technical Secretaries who work closely together to cover all the roles and responsibilities.
2. A record of the activities and decisions associated with an incident escalated to the SRT should be retained for audit and legal purposes. If a major incident were to occur, National Grid actions would come under close scrutiny from the Government and the regulators.
3. Once contact is made with a member of the SRT a log of events must be started.
4. As soon as a log is started, contact must be made with a member of the Legal Services Department to discuss whether legal privilege is appropriate. If it is, the member of the Legal Services Department contacted will give further guidance on rules and procedures to be followed when maintaining the log.
5. The first entry will indicate what time they were contacted, by whom, details of the incident and reasons for forming the SRT.
6. Once the SRT is established they should appoint an SRT Technical Secretary.
7. It will be the responsibility of each SRT member to advise the SRT Technical Secretary of any entries that need to be made to the log. All entries to the log will be authorized by the chairperson
8. The following should be recorded in the log - all should be prefixed with the dates, time and names of those involved (please note this is not an exhaustive list):
  - a. Decisions made, why and were they communicated?
  - b. Any discussion with external parties
  - c. Conversations / discussions with other Internal parties
  - d. Updates received from Tactical Teams

## **Appendix S**      **Approving the Recovery Strategy**

1. The execution of the Business Continuity Plans will be led by the Tactical and Operational teams.
2. There are likely to be a number of decisions that need to be made by the SRT regarding how the recovery will take place and the order in which the actions should be taken.
3. The SRT will be required to handle media, legal, insurance, commercial, regulatory, financial and other strategic implications. The Tactical and Operational teams will implement the recovery of business processes.

## Appendix T SRT Incident Log Template

SRT Conference Call #	[Date]	[Time of call]

Present:

[First Initial. Full Last Name – LOB]

➤ **SRT Chair:**

➤ **Tactical Incident Commander – [LOB – Name]:**

**NOTE (time) – [INCIDENT DESCRIPTION]**

➤ **Communications Representative:**

➤ **Safety, Health, and Environmental (SHE) Representative:**

**Security Representative:**

➤ **Government Liaison Representative:**

➤ **Incident Team Liaison:**

➤ **Operations, Maintenance and Construction Representative:**

➤ **Finance/Investor Relations Representative:**

➤ **Human Resource Representative:**

➤ **Legal Representative:**

➤ **Information Services Representative:**

➤ **Shared Services Representative:**

➤ **Customer Representative:**

➤ **SRT Support Manager:**

➤ **Miscellaneous:**



nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 1 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

# US TRANSMISSION

## PROJECT MANGEMENT & COMPLEX CONSTRUCTION

### EMERGENCY RESTORATION

### PLAN

July 2011

**Note:** This Plan will be updated yearly.

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	Policy: General Transmission Emergency Restoration Plan	Page 2 of 86 Version 1.3 – 07/18/11

## Table of Contents

INTRODUCTION .....	3
PURPOSE.....	3
ACCOUNTABILITY .....	4
COORDINATION.....	4
WORK PLAN.....	6
OUTSIDE RESOURCE COORDINATION .....	7
ROLE DEFINITIONS.....	9
TACTICAL RESPONSE OVERVIEW .....	25
PREPARATION AND PRE-INCIDENT ACTIVITIES .....	26
ACTIVATE & DEPLOY RESOURCES & CAPABILITIES.....	26
Aerial Transmission System Patrols .....	27
Helicopter Services.....	27
Emergency Transmission Patrols (see note 1) .....	27
Emergency Patrols - Non Transmission Related (see note 2) .....	28
Resource Utilization .....	28
Reporting .....	28
Resource On Demand (RoD)-(See Appendix F for Forms & Instructions).....	29
Transmission Logistics Requirements & Expectations.....	29
Meals and lodging .....	30
Staging areas.....	31
Material Logistics, Equipment Lists, Storm Kits and Locations .....	31
Safety & Environmental .....	32
COORDINATE RESPONSE ACTIONS .....	33
POST-INCIDENT ACTIVITIES .....	33
REVISION HISTORY .....	34
APPENDICES .....	34
APPENDIX A: Organizational charts with key personnel identified.....	35
APPENDIX B: Swim Lane Diagrams .....	38
APPENDIX C: Layouts NE & NY.....	40
APPENDIX D: Pre-Event (3 Day Checklist) .....	42
APPENDIX E: Procedure to Prevent or Abort a Documentum Outage .....	45
APPENDIX F: Phone Contacts.....	47
APPENDIX G: Forms.....	69
APPENDIX H: Addendum .....	69

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:  PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR:  DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 3 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## **INTRODUCTION**

The objective of this Transmission Emergency Restoration Plan (Plan) is to optimize the Company response to transmission system emergencies. These events may result from storms, natural disasters, civil disturbances, major equipment failures, or other physical occurrences resulting in interruption of electric service to large numbers of customers and/or generators or the significant compromise to the security of the transmission grid.

Implementation of this restoration plan will be determined by the Transmission Emergency Room Director.

## **PURPOSE**

For an event where the vast majority of the Transmission facilities are available but a large part of the system is de-energized, the Transmission Control Rooms will develop and manage the restoration efforts by working with In-House Construction to prioritize work assignments necessary to develop the strategy/sequence of restoration activities. Proper emergency planning can help improve the Company emergency response and realize the objective of providing our customers with reliable electric service. This Plan supplies the procedures to be followed during major emergencies to restore electric service while satisfying Company objectives related to safety, environmental responsiveness and customer satisfaction. Additionally, this Plan details communication steps to be taken in order to notify applicable government agencies and the public of emergency restoration progress and respond to official requests for specific emergency actions.

Emergency operations at the Company are intended to parallel normal operations practices wherever possible in order to minimize the need for specialized procedures and training. Emergency operation plans are intended to be simple and flexible so that the details of plan implementation can be quickly adapted to specific restoration circumstances. Through this Plan, details of emergency restoration policies and operations will be clarified. Individual staffing assignments will be handled through Storm Emergency Assignment List (SEALS), which will identify primary/secondary personnel assignments.

The Northboro Transmission Emergency Room located in the Northborough Conference room (**55 Bearfoot Rd, Northboro- 1<sup>st</sup> Floor**) and will function as the Transmission restoration

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 4 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

headquarters. All US Transmission restoration activities for both New England (NE) and New York (NY) operations will be monitored and coordinated thru this operation. Additionally, it will have the responsibility to restore the NE Transmission facilities (69KV+) as required. In NY, the Henry Clay Blvd Transmission Command Center (**7437 Henry Clay Blvd. Liverpool, NY 13088 – VIP Room**) will have the responsibility to restore the NY Transmission facilities (115KV+) and report to the US Transmission Emergency Room in Northborough. Both facilities have “operational redundancy” to provide restoration support to all US Transmission facilities if required.

### ACCOUNTABILITY

Operation and control of the National Grid transmission system is managed through the Transmission Control Centers in New York and New England. Transmission restoration priorities are set and communicated to In-House Construction for implementation. Monitoring and control of the transmission system requires close integration with neighboring utility transmission infrastructure and that is accomplished through relationships with these operating entities and Independent System Operations (ISO).

During emergency events, the tools (including EMS, SCADA, State Estimator software, Security Analysis and regular NE/NY ISO master satellite head conference calls) available to the respective control centers provide significant up to date status information which is used in determining restoration priorities.

In-House Construction as a part of the Project Management& Construction (PM&C) group will serve in the role as overall Transmission Asset Manager during emergency restoration activities. This group utilizing both internal and external resources is tasked with the responsibility to restore the damaged transmission infrastructure in a safe, efficient and timely manner.

### COORDINATION

National Grid’s Emergency Planning function has adopted the Incident Commander System (ICS) structure to address large scale incidents that have significantly impacted National Grid’s normal operational practices, including but not limited to, large scale weather-related damage. This approach provides a thorough, effective, and efficient management of crisis-level events where National Grid US will be measured against expectations and/or benchmarks established by members of the public, public officials, government agencies, regulators, the investment community, and many others. The Transmission Emergency Restoration Plan supports the system-wide Incident Commander System. Any Restoration plan activities will be customized to address the significant factors, including but not limited to:

- Whether National Grid’s electrical and/or natural gas facilities are impacted.

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	Policy: General Transmission Emergency Restoration Plan	Page 5 of 86 Version 1.3 – 07/18/11

- What part of our service territory is being impacted – New England, Upstate New York, Long Island or a combination of the three areas.
- What level of damage is expected and/or experienced – this could change as the particular circumstances develop.

All Restoration Plans will include coordination between the appropriate Transmission Control Center(s) and the Project Management & Construction group reflecting:

- Transmission System Security
- Prioritize Restoration Activities involving both Transmission and Distribution considerations
- Customer Outage Restoration Prioritizes
- Constant communications including regular scheduled progress meetings

The Incident Commander Program structure involves three levels of response to an event that could or does significantly adversely impact National Grid's normal operations. Each situation will have a single Incident Commander who is supported by the required resources. Generally, the Incident Commander will be a Vice-President or higher level executive. The Incident Commander program incorporates three levels of response. For National Grid, Emergency Planning has generally defined three response levels as:

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 6 of 86 Version 1.3 – 07/18/11

- a. Strategic – senior level management, such as the Executive Vice-Presidents from the impacted functions, which will:
  - i. establish the overall corporate goals and strategies;
  - ii. identify major areas of concern;
  - iii. identify the staff members who will serve as the Tactical level leaders; and,
  - iv. initiate implementation of a specific action plan.
  
- b. Tactical – individuals responsible for developing and implementing the required action program:
  - v. typically Vice-President level personnel;
  - vi. develop tactical level goals for implementing a recovery plan; and,
  - vii. establish pre-determined plans to address potential crisis-type situations such as sever storm damage, loss of major facilities, or illness affecting a large number of employees.
  
- c. Operational – implementation of program utilizing existing procedures, such as this Transmission Emergency Restoration Plan:
  - viii. The organizational charts include in this Restoration Plan identify the various levels of 'Operational' support required to restore National Grid's Transmission System to normal operational mode following a major weather;
  - ix. The Plan will be used to in cases of hurricanes, ice storms, snow storms or wide-spread wind damage; and,
  - x. Will inform both the Strategic and Tactical level personnel of significant developments.

## **WORK PLAN**

The Transmission Emergency Restoration Plan incorporates the need to identify and perform the following activities by circuit:

- identify the circuit out-of-service by date and time
- perform helicopter and/or foot patrols to determine damage sustained - completing individual 'Damage Assessment Form' as required
- estimate initial time to repair each circuit by circuit identifying major considerations

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 7 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

- prioritize order of restoring circuits with Transmission Control Room
- identify if repairs will be a short-term fix requiring follow-up actions or will be permanent repairs
- evaluate the damage sustained and complete the necessary design and/or engineering services required to develop and provide detailed repair orders and drawings
- develop detailed list of materials required and their availability
- determine the manpower requirements required and their availability
- determine the availability of the construction equipment by type and number necessary to implement the repair process
- schedule when the necessary materials, drawings, manpower and equipment will be available
- complete the necessary identified field work including vegetation management and re-build functions
- notify Transmission Control Room that circuit is available for re-energization
- post date and time circuit returned to service

To achieve these activities, Transmission's Emergency Restoration Plan incorporates a two 12-hour shift program. The first shift will be from 7 am to 7 pm and will be fully staffed. The first shift will include performance of all functions identify above. Depending on the time of year, the hours of this shift may be varied to fully utilize available daylight. The second shift will be from 7 pm to 7 am and will be staffed as necessary to continue the process of identifying out-of-service circuits while continuing the process of determining restoration plan of each circuit previously patrolled with a completed Damage Assessment Form. The manpower necessary to fully staff each shift will be determined by the amount and area of sustained damage.

## **OUTSIDE RESOURCE COORDINATION**

When the damage assessment and restoration assignments have been coordinated, the level of resources for subsequent repairs will be made by the restoration team. When all internal resources have been exhausted and the need for repairs exceeds the in-house construction capability, the Outside Contractors working under the Regional Delivery Venture (RDV) program will be activated in the region that requires response and expedited repair. The need for these resources will be weighed against outage repair time, system security as deemed necessary by the control center or the overall complexity of the repair that requires the outside resources to accomplish any of the above. If necessary, additional third party contractors will be obtained.

The coordination for additional resources beyond the In-house (including RDV resources as appropriate) will be arranged by the Transmission Emergency Room Manager (NY/NE) utilizing the System-wide, Outside Resource Coordination and Logistics management functions to determine the

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 8 of 86 Version 1.3 – 07/18/11

appropriate third party resources and tactically assign work and resources to the areas that are in excess of the capability of in house construction. The process for crew requests (crew request forms) and requesting procedure through the Regional E room directors in NE and NY will be followed. A follow up request and confirmation with the Outside Resource Coordination room will also be required, to specify the types of equipment, and specialty resources will be discussed with the Outside Resource Coordination group. In addition, there will logistical support that will provided by the Transmission Emergency Room to ensure that the outside resources and internal resources have accommodations, provisions for food and shelter along with fuel being provided in a timely fashion. These resources will follow the same procedure for acceptance on to National Grid property, where they will be entered into Resources on Demand (ROD) program, given a safety brief, and environmental brief before work begins.

The overall Project Management and Construction (PM&C) Emergency Restoration Plan will be responsible for obtaining all external Contracted Overhead and Underground Line Resources as requested by the System Emergency Operations Centers for Major Events.

Distribution as well as Transmission Contractors will be those resources acquired by Outside Resource Coordination group. Requests for Distribution and Transmission Contracted resources will follow the same process as detailed in PM&C Situation Center Procedures. The PM&C Storm Manager or their assigned will be the person responsible for the coordination and acquisition of the requested resources.

Requests for resources will be conveyed to the PM&C Storm Manager, acquired and confirmed back to the Emergency Operations Center. NG Construction Supervision will be provided for the crews acquired upon request, through a combination of existing NG field Construction Supervisors (CS), local Line department Performance Supervisors (PS) or storm assigned Divisional Field Construction Coordinators (FCC).

Contracted Resources to be acquired shall follow the same process requirements in this document (PM&C Storm Emergency Procedures) for Contractor crew information, equipment requirements and storm and response guidelines.

Routine Storms and Emergencies will follow the typical process used between the Division's or other internal groups requesting assistance and the PM&C Outsourced Construction Managers. Local or Divisional needs outside this Storm plan will require direct contact with Outsourced Construction Managers

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	Emergency Restoration Plan	Version 1.3 – 07/18/11

## **ROLE DEFINITIONS**

Each primary role within the Transmission Emergency Restoration Plan is described below in terms of whom they report to, the primary location of their assignment, key job description information, pre-emergency responsibilities, and responsibilities during an emergency, equipment required and work periods.

### **US Transmission Emergency Director**

**REPORTS TO:** VP Proj. Mgmt & Const. & VP Operations Maintenance

**Location:** Northborough

#### **JOB DESCRIPTION:**

Determine restoration resource requirements with overall responsibility for Transmission Restoration activities and communications with appropriate company senior management.

Direct the overall emergency operation of the Transmission Emergency Room.

Provide transmission system status information as required.

Coordinate restoration between T&D, Control centers, Distribution operations, and internal/external workforce.

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 10 of 86 Version 1.3 – 07/18/11

- Inspection/Patrol
- Construction
- Materials

Communicate with and advise the System Emergency Incident Commander on establishing additional staging area or using the Mobile Command Center.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with additional Northboro Emergency Rooms.

### **US Transmission Emergency Room Manager**

**REPORTS TO:** US Transmission Emergency Director

**Location:** Transmission Emergency Room Northborough / Syracuse  
(as required)

### **JOB DESCRIPTION:**

Direct Transmission Emergency Room Operations through interaction with the Transmission Control Center to optimize restoration of the Transmission System.

Determine restoration resource requirements.

Direct efforts for obtaining required resources (internal/external).

Direct the restoration efforts on the Transmission System.

Assist with the allocation of available resources.

Direct the overall emergency operation of the Transmission Emergency Room.

Provide transmission system status information as required.

Coordinate Damager Assessment with Transmission Control Centers

Interacts with System Level Directors related to Safety & Environmental concerns and coordination of materials and equipment resource allocation.

### **PRE-EMERGENCY RESPONSIBILITIES:**

Ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System and ensures adequate

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission Emergency Restoration Plan	Doc. # ESRP.04.14 Page 11 of 86 Version 1.3 – 07/18/11

contracts are in place for “committed” field restoration resources.

As far in advance as possible to a predicted emergency, provide direction to the key Transmission Emergency Room Coordinators as to the initial response and preparations to be taken.

Assist the System Emergency rooms gathering resource requirements, and provide assistance required receiving these resources.

Strategic placement of crews.

Ensure materials and equipment arrive / available.

**RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction and administrative support for the safe and efficient restoration of the Transmission System.

Monitor the progress of providing resources and secure additional internal and outside resources as necessary.

Provide information as required.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual for room layout, equipment requirements, and check off list.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with ‘as required’ overlap with Additional Northboro Emergency Rooms.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the System Emergency Incident Commander on establishing additional staging area or using the Mobile Command Center.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Municipal / Regulatory Coordinator**

**REPORTS TO:** US Transmission Emergency Room Manager

**Location:** Transmission Emergency Room Northborough / Syracuse (as required) but might be relocated as applicable

**JOB DESCRIPTION:**

Provide interaction between the Emergency Room and all appropriate

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 12 of 86 Version 1.3 – 07/18/11

Municipal Utilities and Regulatory bodies as required.

Coordination between control centers/ Operations manager/ Municipal Utilities.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with ‘as required’ overlap with Relief System Emergency Director.

**PRE-EMERGENCY RESPONSIBILITIES:**

Ensure have all the appropriate contact information for each of our municipal customers.

Ensure have access to all applicable contracts between National grid and our municipal customers.

**RESPONSIBILITIES DURING AN EMERGENCY::**

Provide direct communication link between the Transmission Emergency Room and each municipal electric customer to aid in the restoration activities.

**Logistics & Reporting / Financials Support Coordinator**

**REPORTS TO:** US Transmission Emergency Room Manager

**Location:** Transmission Emergency Room Northborough / Syracuse  
(as required)

**JOB DESCRIPTION:**

Organize & Coordinate the restoration resource, equipment, lodging and reporting requirements through RoD (Resource on Demand).

Develop and manage the field logistics efforts to successfully implement the transmission restoration strategy.

Assist with the allocation of available resources through RoD.

Provide “electronic” transmission system status information via the tracking file as required.

Work through the Northboro Emergency Room Coordinators to ensure meals and lodging is available for all those supporting the transmission restoration efforts.

Generate proper accounting information.

Coordinate As Built / Confirm design with accounting.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY



nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 13 of 86 Version 1.3 – 07/18/11

**PRE-EMERGENCY RESPONSIBILITIES:**

Support the effort to ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System.

Just prior to a predicted emergency, provide direction to those reporting to this function as to the initial response and preparations to be taken.

Assist the Transmission Emergency Room gathering resource requirements, and provide assistance required receiving these resources.

**RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction and logistics support for the safe and efficient restoration of the Transmission System Asset.

Monitor the progress of providing resources and secure additional internal and outside resources, lodging, equipment and associated items as necessary.

Familiarization with ROD Application, PowerPlant, and financials.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual for room layout, equipment requirements, and check off list.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Restoration Managers**

**REPORTS TO:** US Transmission Emergency Room Manager

**Location:** Transmission Emergency Room Northborough / Syracuse  
(as required)

**JOB DESCRIPTION:**

Assist with determining the restoration resource requirements.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:  PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR:  DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 14 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Direct the field efforts to implement the transmission restoration strategy.

Direct the Field Supervision to ensure the safe and efficient restoration of the Transmission System.

Receive information from Restoration Crews & Transmission Supervisors and crews.

Provide transmission system status information as required.

Coordinate: Damage Assessment, Equipment Needs, Control Room interaction, Environmental, Safety, and Resources required for Helicopter and foot patrols.

#### **PRE-EMERGENCY RESPONSIBILITIES:**

Support the effort to ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System.

Just prior to a predicted emergency, provide direction to the key Field Transmission Supervisors and FCC's as to the initial response and preparations to be taken.

Determine strategic locations for staging.

Assist the System Emergency room gathering resource requirements, and provide assistance required receiving these resources.

Coordinate Pre-Storm stock and equipment requirements and staging.

#### **RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction and administrative support for the safe and efficient restoration of the Transmission System Asset.

Work /coordinate with control centers

Monitor the progress of providing resources and secure additional internal and outside resources as necessary.

Communicate & Coordinate material drops / location

When the System resources are not sufficient to complete the field restoration in a timely manner this function is responsible for supporting the efforts to obtain outside resources from contractors, vendors and/or other utilities.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 15 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Environmental notifications.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual for room layout, equipment requirements, and check off list.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the Transmission Emergency Manager on establishing additional staging area or using the Mobile Command Center.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Damage Assessment Coordinator**

**REPORTS TO:** Restoration Managers

**Location:** Transmission Emergency Room Northborough / Syracuse  
(as required)

**JOB DESCRIPTION:**

Direct the efforts for obtaining timely and accurate field damage assessment reports.

Review the assessment data and coordinate a restoration strategy in conjunction with Transmission Control Center.

Assist with the allocation of available assessment resources for on the ground and in the air patrols.

Provide transmission system status information as required.

Assist the Restoration Managers with implementing the transmission restoration strategy based on assessment results.

**PRE-EMERGENCY RESPONSIBILITIES:**

Support the effort to ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission Emergency Restoration Plan	Doc. # ESRP.04.14 Page 16 of 86 Version 1.3 – 07/18/11

exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System.

Determine Helicopter patrol resources and foot patrol resources.

Just prior to a predicted emergency, provide direction to the key Field Transmission Assessment Crews as to the initial response and preparations to be taken.

#### **RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction and administrative support for the safe and efficient restoration of the Transmission System Asset.

Coordinate results of field damager assessment.

Monitor the progress of the Field Assessment Crews and provide required resources and to ensure the development of a sound transmission system restoration strategy.

When the System resources are not sufficient to complete the assessment in a timely manner, this function is responsible for recommending, directing and obtaining outside resources for contractors, vendors and/or other utilities.

Helicopter / Foot Patrols.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual for room layout, equipment requirements, and check off list.

Damage Assessment Application & Field Forms

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with an 'as required' overlap with Relief System Emergency Director.

#### **ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the Transmission Emergency Room Director on establishing additional staging area or using the Mobile Command Center.

#### **ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

#### **ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

### **Restoration Planning Coordinator**

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 17 of 86 Version 1.3 – 07/18/11

**REPORTS TO:** Restoration Managers

**Location:** Transmission Emergency Room Northborough / Syracuse  
(as required)

**JOB DESCRIPTION:**

Assist with determining the restoration resource requirements.

Direct the field efforts to implement the transmission restoration strategy.

Direct the Field Supervision to ensure the safe and efficient restoration of the Transmission System.

Determine overall restoration process.

Provide estimated restoration times.

Assist with the allocation of available resources, equipment, and materials.

Restoration Planning, Project Managers, and Engineering will support the Field Supervisors to ensure the safe and efficient restoration of the Transmission System.

Proper material delivery will be coordinated.

Coordinate environmental response A/R.

**PRE-EMERGENCY RESPONSIBILITIES:**

Support the effort to ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System.

Communicate strategic location of crew compliments.

Just prior to a predicted emergency, provide direction to the Transmission Supervisors and FCC's as to the initial response and preparations to be taken.

Assist the System Emergency room gathering resource requirements, and

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 18 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

provide assistance required receiving these resources.

**RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction and administrative support for the safe and efficient restoration of the Transmission System Asset.

Monitor the progress of providing resources and secure additional internal and outside material and equipment resources as necessary.

When the System resources are not sufficient to complete the field restoration in a timely manner this function is responsible for supporting the efforts to obtain outside resources from contractors, vendors and/or other utilities.

Coordinate Environmental Responses as required.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual for room layout, equipment requirements, and check off list.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the System Emergency Director on establishing additional staging area or using the Mobile Command Center.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Transmission Control Room Operator**

**REPORTS TO:** Transmission Control Center Director

**LOCATION:** Transmission Emergency Room Northborough / Syracuse (as required) - might be on-duty operator providing regular scheduled communications.

**JOB DESCRIPTION:** Liaison between Transmission E Room and Control Center to provide efficient communication.

Monitor and Control "T" Network.

Help with coordination of activities

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:  PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR:  DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 19 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Assess restoration –prioritize restoration sequence with T&D Control Centers

### **Restoration Crews Transmission Supervisors & Crews**

**REPORTS TO:** Restoration Managers

**JOB DESCRIPTION:**

Direct and implement the field restoration efforts to safely implement the transmission restoration strategy.

- Safety & Environmental Compliance
- Coordinate outside Vendors Logistics (Matting)

Assist with the allocation of available resources.

- Equipment & Materials

Provide transmission system status information as required.

**PRE-EMERGENCY RESPONSIBILITIES:**

Support the effort to ensure that the National Grid US Transmission Emergency Restoration Plan is up to date and properly staffed; ensure all personnel assigned to the plan are adequately trained; ensure that plan exercises are conducted periodically and ensure the adequacy of supplies, materials, vehicles and communications equipment throughout the System.

Just prior to a predicted emergency, provide direction to the Field Transmission Restoration Crews as to the initial response and preparations to be taken.

Assist the System Emergency room gathering resource requirements, and provide assistance required receiving these resources.

Equipment & Material Locations.

**RESPONSIBILITIES DURING AN EMERGENCY:**

Provide ongoing direction for the safe and efficient restoration of the Transmission System Asset.

Ensure compliance with Safety & Environmental Rules

Monitor and report on the restoration progress of the crews assigned.

Communicate Design requests to capture As Built Construction.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:  PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR:  DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission Emergency Restoration Plan	Doc. # ESRP.04.14 Page 20 of 86 Version 1.3 – 07/18/11

When the System resources are not sufficient to complete the field restoration in a timely manner this function is responsible for clearly communicating this need to the restoration Field Coordinators.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Restoration Plan regarding assignments, equipment requirements, and check off list.

**JOB LOCATION:** TBD (Storm dependent)

**WORK PERIOD:** 18 hours on duty, 6 hours off duty.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the Restoration Field Coordinators regarding establishing additional staging area or using the Mobile Command Center.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Forestry Coordinator / Tree Supervisors and Crews**

**REPORTS TO:** Restoration Managers

**LOCATION:** Coordinator - Transmission Emergency Room Northborough / Syracuse (as required) with Supervisors and Crews in the field at locations determined by the situation

**JOB DESCRIPTION:**

Assist with determining the restoration resource requirements.  
Direct the Forestry field personnel efforts to implement the transmission restoration strategy.

- Coordinate restoration sequence with Restoration Manager

Direct the Forestry Supervision to ensure the safe and efficient restoration of the Transmission System.

- Determines / requirements additional resources as required.

Provide transmission Forestry status information as required.

**EQUIPMENT REQUIRED:** Refer to the Transmission Emergency Room Manual

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY



nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 21 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

for room layout, equipment requirements, and check off list.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

Communicate with and advise the System Emergency Director on establishing additional staging area or using the Mobile Command Center.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Materials Logistics**

**REPORTS TO:** Restoration Managers

**LOCATION:** various as required

**JOB DESCRIPTION:**

During a storm event the Materials Management department will provide personnel to support the restoration effort at the storm center.

Generally, this will consist of the Materials Manager and the NE & NY Material Coordinators or as required by the storm center commander.

The Materials group will provide the following functions:

- Act as the point of contact between the Design groups and the distribution centers for needed materials.
- Work with design groups for substitute material when requested material is unavailable.
- Ensure the distribution centers know the materials needed are for Transmission emergencies to gain top priority.
- Provide needed drivers in New England, if necessary, for material delivery from the Depot group.
- Pull stock from the Transmission lay-down yard at the NEDC and deliver if necessary.
- Set up and maintain the storm bags for the Electrical group.
- Provide any other support deemed necessary from the storm center commander.

**EQUIPMENT REQUIRED:** Job Dependent

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 22 of 86 Version 1.3 – 07/18/11

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL RESPONSIBILITIES DURING MAJOR DISASTERS:**

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

The following 2 roles are more functional descriptions and actual staffing levels will be based upon need.

**Transmission Design & Engineering**

**REPORTS TO:** Restoration Managers

**LOCATION:** TBD (Storm dependent)

**JOB DESCRIPTION:**

During a storm event the design department will provide personnel to support the restoration effort at the storm center. Generally, this will consist of 2-3 designers per shift or as required by the storm center commander.

Designers will provide the following functions:

- Identification of structure type and replace in kind requirements
- Field documentation as required
- Creation and communication of confirming work orders
- Consult with Asset Management (Transmission Line Engineering) on capital work plan to evaluate possible alternate to replace-in-kind approach where structure replacement is required

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 23 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

- Notify environmental of work in environmentally sensitive areas
- Prepare Material Stock Requests for processing by materials management
- Determine alternate compatible materials when standard is not available
- Field assessment of damaged structures
- Tracking of follow-up repair work not completed during immediate response activities (e.g. downed shield wire, minor structure damage, etc)
- Additional personnel for tasks not described above as determined by the storm center commander (e.g. foot or air patrols)
- Complete close-out activities for completed work in accordance with established procedures

**EQUIPMENT REQUIRED:** STORMS, AutoCad, Laptops, Printers, etc.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**Project Management**

**REPORTS TO:** Restoration Managers

**LOCATION:** Transmission Emergency Room Northborough / Syracuse (as required) plus possible other supporting locations

**JOB DESCRIPTION:**

During a storm event the Project Management department will provide 2<sup>nd</sup> shift support. PM's will prioritizing next day assignments and any needed coordination activities.

**EQUIPMENT REQUIRED:** STORMS, Maps, Laptops, Printers, etc.

**WORK PERIOD:** 12 hours on duty, 12 hours off duty with 'as required' overlap with Relief System Emergency Director.

**ADDITIONAL EQUIPMENT REQUIREMENTS:**

As required (through Facilities and outside resources)

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 24 of 86 Version 1.3 – 07/18/11

**ADDITIONAL STAFF REQUIREMENTS:**

As required. (Through SEAL Program)

**TRAINING**

As required.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 25 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## **TACTICAL RESPONSE OVERVIEW**

The Transmission Tactical Response Team is comprised of both the appropriate Transmission Control Room personnel and the Transmission Emergency Restoration Room personnel.

Note: This document is a synopsis of the Transmission Control Centers' responsibilities during a major transmission system event. It is not a procedure. Each of the Control Centers has specific operating procedures for both routine and emergency conditions. It is recognized that for very significant events, this list of guidelines may well have to be adapted to the unique circumstances at hand.

The Transmission Control Centers are responsible for establishing transmission line and substation restoration priorities

- New England = 69KV and higher
- New York = 115KV and higher

### **Restoration Priorities**

Restoration priorities will generally fall into 2 broad categories:

1. System Requirements: Thermal, voltage, security, NPCC criteria, NERC Standards and Requirements, etc.
2. Customer Restoration: Circuits required to restore customers.

Generally, bulk power circuits will receive the highest level of attention, followed by circuits whose restoration will bring back large blocks of customers or key generators. Secondary sources to customer load will generally receive a lesser priority. If a transmission circuit is not required for system requirements, field resources may be diverted to sub-transmission circuits, if requested by the System Emergency Coordinator. Despite the above considerations, the Control Centers are expected to advocate for field attention to transmission facilities as the event progresses, and resources become available. The Control Centers will maintain liaison with the ISO's throughout the event. Control Centers are encouraged to use Outage Planning staff and others to support both operational and transmission restoration / storm room communications needs. Transmission Planning staff may be requested to evaluate significant alternate system configurations or loading capabilities as required. The Control Centers will be responsible to maintain a synchronized listing in the Restoration

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 26 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

/ Storm room. The control rooms will be active participants in all scheduled storm or emergency conference calls.

## PREPARATION AND PRE-INCIDENT ACTIVITIES

Staff Room

Ensure Communication-Satellite Phones

See appendix D & E for detailed listing.

## ACTIVATE & DEPLOY RESOURCES & CAPABILITIES

### Restoration Process-Damage Patrols

First priority is Safety with Crews not beginning field operations until outside weather conditions satisfy all operational safety concerns.

Damage appraisals of out of service Transmission Assets will be based on the information provided by the Control Center.

Damage patrol will be performed to assess physical damage such as wires down and poles broken on transmission lines.

Damage patrols will be primarily performed by helicopters. Assigned Company personnel will be assigned as needed from In-House Construction and Transmission Line Engineering O&M Services and other National Grid Transmission departments and/or outside resources as appropriate. The damage patrol process begins immediately following the storm. Weather conditions will apply for helicopter patrols. Assess storm damage through damage patrols.

In the event, helicopters patrols cannot be performed, foot patrols will be utilized by supervisors.

Transmission E-room will prioritize the patrol sequence with an emphasis on critical customers as identified by the Transmission Control Center.

Helicopter patrols will be initiated as soon as practicable following the Aerial Transmission System Patrols process below. Field workers can patrol street

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 27 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

crossings and select right of ways.

Combination of Stations / Line/ Forestry personnel as 2 person teams will be utilized when ever possible to maximize utilization of available resources.

### **Aerial Transmission System Patrols**

As weather conditions dictate, post storm aerial inspections will be conducted where required as a first response method of evaluating storm related damages, including forestry requirements. Contracted Helicopter service companies will be advised in advance to standby as required.

In-House construction Supervisors or other qualified staff, and a qualified helicopter service observer will fly the appointed lines to assess damage and direct repair crews from the air.

The observer will be in contact with the TLINE Helicopter Coordinator via mobile phone service, and from there the information will be passed directly to the Transmission E-Room.

### **Helicopter Services**

In addition to aerial visual patrols, several Helicopter Contractors are in place to provide emergency services to all departments within National Grid to patrol lines possibly affected by severe weather. Transmission Maintenance shall be responsible for administering the contracts

For speed and efficiency, the following procedures should be followed for all helicopter services. *Refer to the Post Fault Patrol Procedure TOP18 and NGRID Helicopter Safety EOP.*

### **Emergency Transmission Patrols (see note 1)**

The Transmission System Operators will notify Transmission E-Room of any transmission line operations. Restoration Managers will determine patrol requirements and make the necessary arrangements for the aerial patrol and an observer, while coordinating with Transmission Control Centers.

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:  PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR:  DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 28 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

### **Emergency Patrols - Non Transmission Related (see note 2)**

Emergency patrols for sub-transmission and distribution lines will be arranged through the Transmission E Room and Restoration Managers as equipment becomes available.

### **Special Notes**

1) The Transmission System Operators must be notified whenever patrols are being conducted. All contracted helicopter companies have been notified that it is their responsibility to do so. However, it would be prudent for National Grid staff to verify that this task has been completed. The appropriate information from the attached Patrol Form should be conveyed to the Transmission System Operators.

2) Helicopter services will be coordinated through the Transmission E-Room during major storm / emergency situations. For more information, please refer to updated EOPs.

### **Resource Utilization**

The sole responsibility for assigning resources to the Transmission restoration effort falls upon the US Transmission Emergency Director. Several significant factors must be considered such as, but not limited to, projected severity and duration, timing, impacted area, geography, risk, skill requirements, logistics and “back room” support. Based upon this analysis the US Transmission Restoration Manager will request initiation of the SEALS assignments directing members of US Transmission to their appropriate storm assignments. If the resource requirements are not met Regional Delivery Ventures (RDV’s) and Contractors can be utilized in this sequence. Communication with the Incident Commander and PM&C Team will occur throughout this process.

All interstate movements of crews and demobilizations will be communicated to the Incident Commander and Regional Emergency Director to ensure regulatory notification by the US Transmission Emergency Director.

### **Reporting**

The Transmission Emergency Room reporting will address three general requirements for Restoration, Financial and Municipal updates. Restoration reporting will provide regular updates on (i) which Transmission lines and substations have been reported as out-of-service with date and times for each asset outage; (ii) identify when an asset was returned to service by date and time; and, (iii) provide an estimated return to service for assets remaining out-

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of-service. Financial reporting will provide a total-to-date expenditure estimate reflecting costs for internal manpower and resources; external contractor services and materials. Municipal updating will summarize all contacts between the Transmission Commercial Service representatives and National Grid's municipal electric customer operations. Municipal information will not include contacts with the police, fire and public works safety functions that will be coordinated through the system-wide function to ensure consistency of application.

System Wide calls are typically scheduled, as warranted by the Emergency Conditions and/or latest status of the event. Transmission will be the first group to provide updates. Transmission Control Center will represent Transmission. Hourly updates will be sent by the Logistics Reporting / Financials Support entity.

#### **Resource On Demand (RoD)**-(See Appendix F for Forms & Instructions)

Resources on Demand (RoD) is a crew logistics software program. RoD tracks crews at a macro level to aid in summarizing crew counts by restoration area and crew contingent. The crew counts are in turn used to lodge and feed crew members. RoD is an off-the-shelf software program that the Company has chosen not to customize. RoD is not a crew management program and it does not interface with PowerOn.

RoD replaces locally developed crew and lodging Excel and Access spreadsheets. The information contained within RoD is similar to the high-level summary information found on Storm Room white boards. Key individuals from IS, Customer Operations, Business Services, Dispatch & Control, Planning, Facilities, Emergency Planning, and others developed a high-level procedure incorporating RoD. The procedure outlines roles but leaves actual implementation and role assignment to local areas. As RoD mimics our manual processes, individuals retain similar functions. Individuals complete tasks in RoD rather than complete them manually in a spreadsheet.

#### **Transmission Logistics Requirements & Expectations**

Transmission will use Resources on Demand (RoD), a crew logistics software program, to handle the logistic functionality for tracking crews. RoD will track crews at a macro level to aid in summarizing crew counts by restoration area and crew contingent. The crew counts are in turn used to lodge and feed crew members.

Expectation is to obtain and secure lists of available restaurants and lodging

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 30 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

sites for the National Grid territory. Updated assignment sheets within RoD provide a review of crew locations and projected work durations. One hour prior to meal period, Logistical personnel will contact Supervisors/Crew Leaders to confirm crew locations and establish anticipated meal period. Supervisors/Crew Leaders will call the Storm Room Logistics Coordinator when their crew departs from the meal site and resumes working or beds for the night. All relevant crew information will be communicated to the Northboro E-Room.

Expectation for lodging is to obtain reservations at locations, preferably where there is a breakfast and dinner is served, closest to the work location of the crew. The Northboro E Room or Distribution Logistics Coordinator etc. will be the lodging coordinators for Transmission crews; Transmission responsibility is to enter the Transmission crew information into RoD. Transmission will provide up-to-date crew transfer sheets and communicate crew locations to Distribution through RoD, but will be responsible for all Transmission work assignments. Information will be communicated to Northboro E-Room.

### **Meals and lodging**

Contact & Coordination designee: Communications & Reporting

#### **Preparation**

- Obtain and secure list of available restaurants and lodging sites from Division sources. Information to be stored in Transmission E-Room.
- Review list for updates and corrections every six months (April and November).

#### **Event**

- Review crew locations and projected work durations from updated assignment sheet.
- For meals: review list every hour and monitor locations
- For lodging: begin monitoring at Noon

#### **Meals**

- Two hour prior to meal period contact Supervisors/Crew Leaders; confirm location and establish anticipated meal period.
- Establish meal location and estimated time away from job. Request call from Supervisor/Crew Leader when crew departs meal site.
- Contact Northboro E-Room and inform Logistics Coordinator of anticipated absence of crew(s) from assignment for meals. Supply time and meal location to both.
- Document return to work status of crews.

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 31 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

#### Lodging

- At 5:00 pm contact Supervisors/Crew Leaders; confirm location and establish work/task durations.
- Inform Northboro E-Room of need for lodging. Provide location(s), number of individuals and estimated time of arrival to Northboro contact. Collaborate and confirm lodging locations. Provide lodging information to Supervisors/Crew Leaders. Request call from Supervisor/Crew Leader when crew departs lodging site
- Document return to work status of crews.

#### Staging areas

##### Preparation

- Obtain and secure list of Company and arranged staging areas from Division & TLINE sources. Review listing and determine need for additional sites. Contact and arrange for additional sites as needed. Include fueling and special consideration (access, egress etc.) information in completed list. Information to be stored in Transmission E-Room.
- Review list for updates and corrections every six months (April and November).

##### Event

- Contact Northboro E-Room for verification of existing/pre-determined staging area space and allocation.
- Document and report to Logistics Coordinator and Transmission Emergency Room Director. Supply staging area information to area Supervisors/Crew Leaders. Request response from responsible parties who will/are utilizing these areas. Include crew information, number and types of vehicles and equipment.
- Inform Northboro E-Room of utilization of staging areas by work force.
- Document all changes to staging area utilization including mobilization and de-mobilization times.

#### Material Logistics, Equipment Lists, Storm Kits and Locations

The Materials Manager will be the conduit for all material needs within the Restoration Planning Group. An MSR# will be created by the Transmission Line Engineers within the Restoration Group and given to the Materials Manager. The MSR# and any other material needs will then be communicated to the Materials & Rigging Coordinators. The Material & Rigging Coordinators will assess the needs for materials and decide to obtain material from either set laydown areas

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 32 of 86 Version 1.3 – 07/18/11

or the North East (NEDC)/Henry Clay distribution centers and any delivery/rigging needs if applicable.

Coordinate for Pole Delivery / Matting

Material Drops locations need to be coordinated with restoration Supervisors/Managers

### **Safety & Environmental**

Transmission will coordinate with ICS for contacts and required activities in the areas of Safety and Environmental to ensure compliance with company's policies and procedures.

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 33 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## **COORDINATE RESPONSE ACTIONS**

Transmission Control Rooms dictate restoration activities based upon system impacted-areas and assets damaged.

All transmission employees have predetermined roles.

Resource Allocation

- When assigning internal determine how / when outside resources are assigned.

## **POST-INCIDENT ACTIVITIES**

This section of the plan contains information pertaining to post-event activities such as follow-up items, documentation, and critique or response.

The system level plan will contain items such as:

- Post-event follow-up work-
  - Identifies prebuilt activities.
  - Assign TLE to determine revised construction.
  - Determine supplies used and replaced.
  - Want to verify that Designs are done-Need real time, not after the Storm
- Response critique-
  - Identify problems encounter
    - Develop possible corrective action.
    - Explore cost impact.
  - Separate by function
    - Control room
    - Field operations
    - Support
    - Evaluate outside resources that were brought in.
- Reporting and documentation
  - See Appendix A & F

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT: PROJECT MANAGEMENT & CONSTRUCTION	SPONSOR: DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 34 of 86 Version 1.3 – 07/18/11

## **REVISION HISTORY**

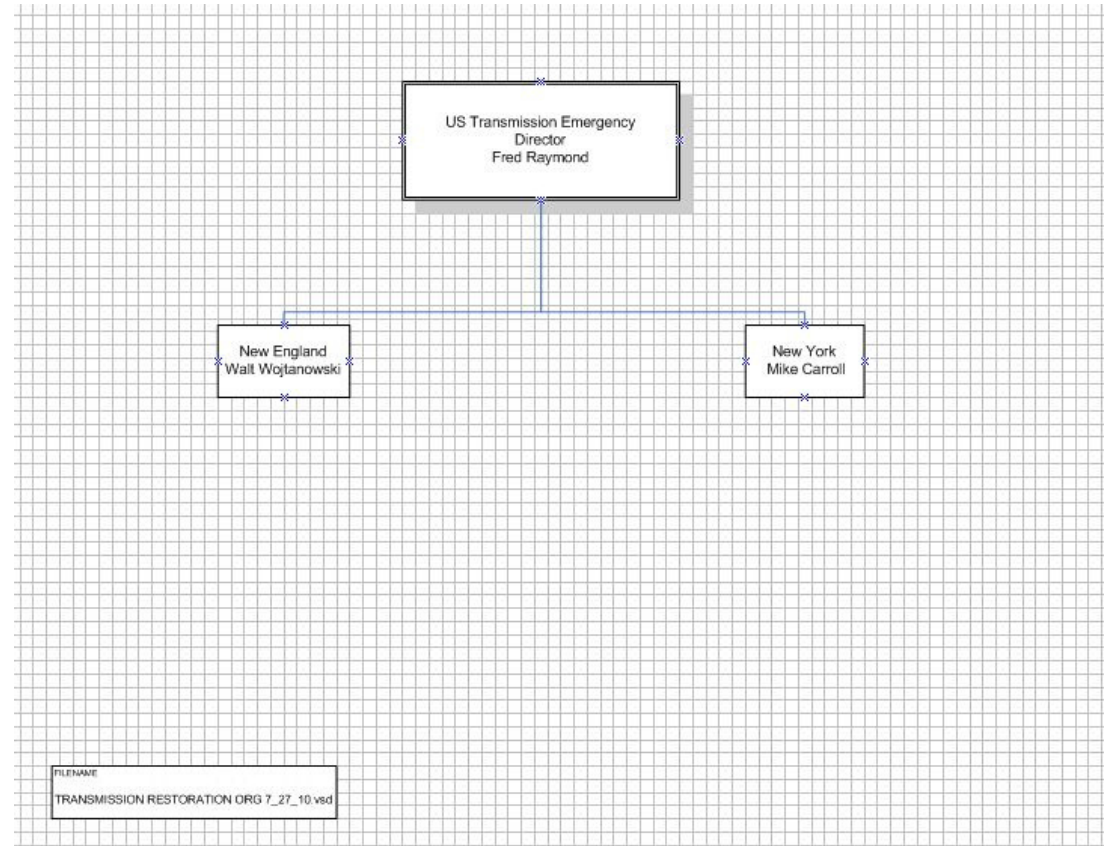
<b><u>Version</u></b>	<b><u>Date</u></b>	<b><u>Description of Revision</u></b>
1.0	xx/xx/xx	Initial version of document
2.0	8/01/10	Revision to reflect T&D Alignment
3.0	7/19/11	Updated contact numbers/ New Addendum at end

## **APPENDICES**

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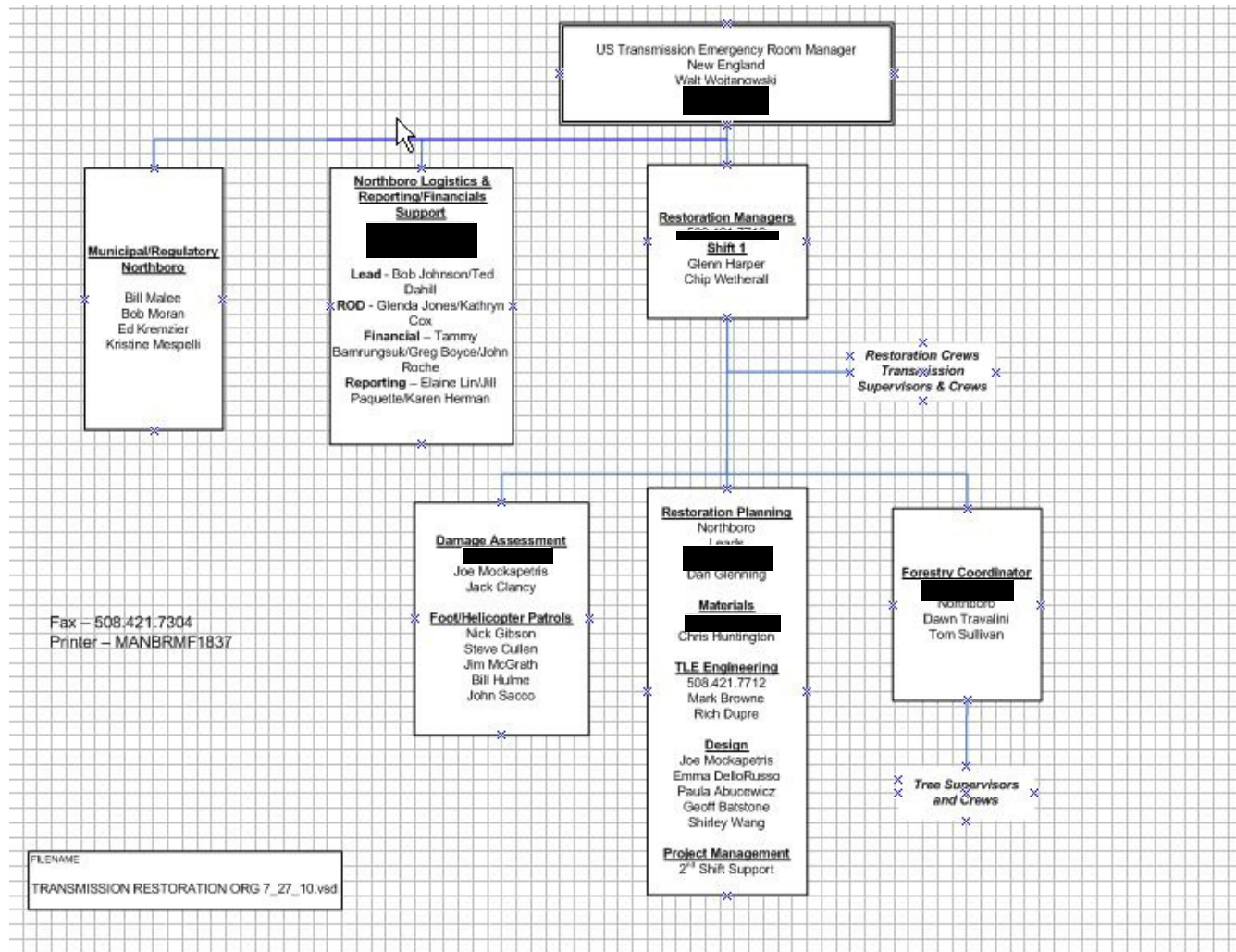
**APPENDIX A: Organizational charts with key personnel identified.**



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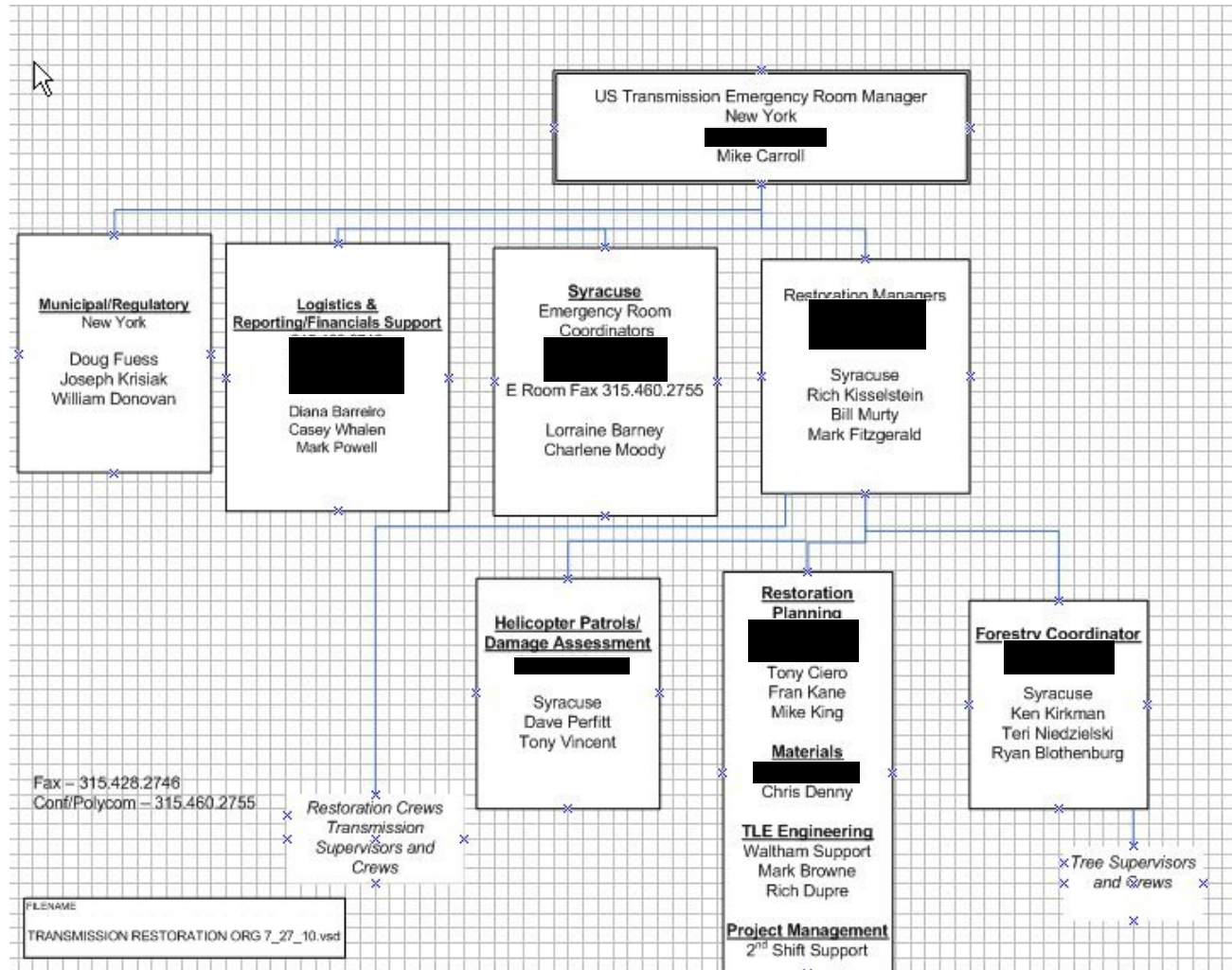
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	Policy: General Transmission Emergency Restoration Plan	Page 36 of 86 Version 1.3 – 07/18/11



FILE: ESRP.04.14EMERGENCY RESTORATION PLAN	ORIGINATING DEPARTMENT:	SPONSOR:
	PROJECT MANAGEMENT & CONSTRUCTION	DAVID WAY



nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission Emergency Restoration Plan	Doc. # ESRP.04.14 Page 37 of 86 Version 1.3 – 07/18/11



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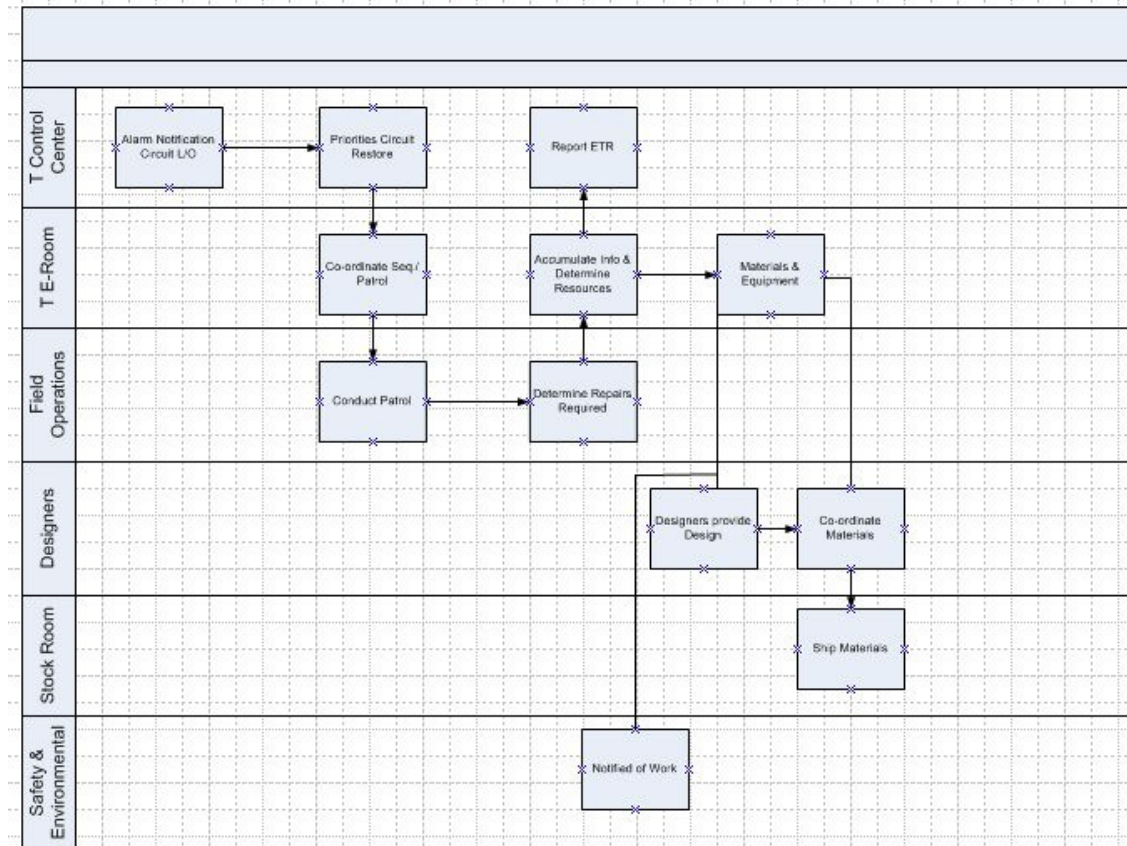
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## APPENDIX B: Swim Lane Diagrams



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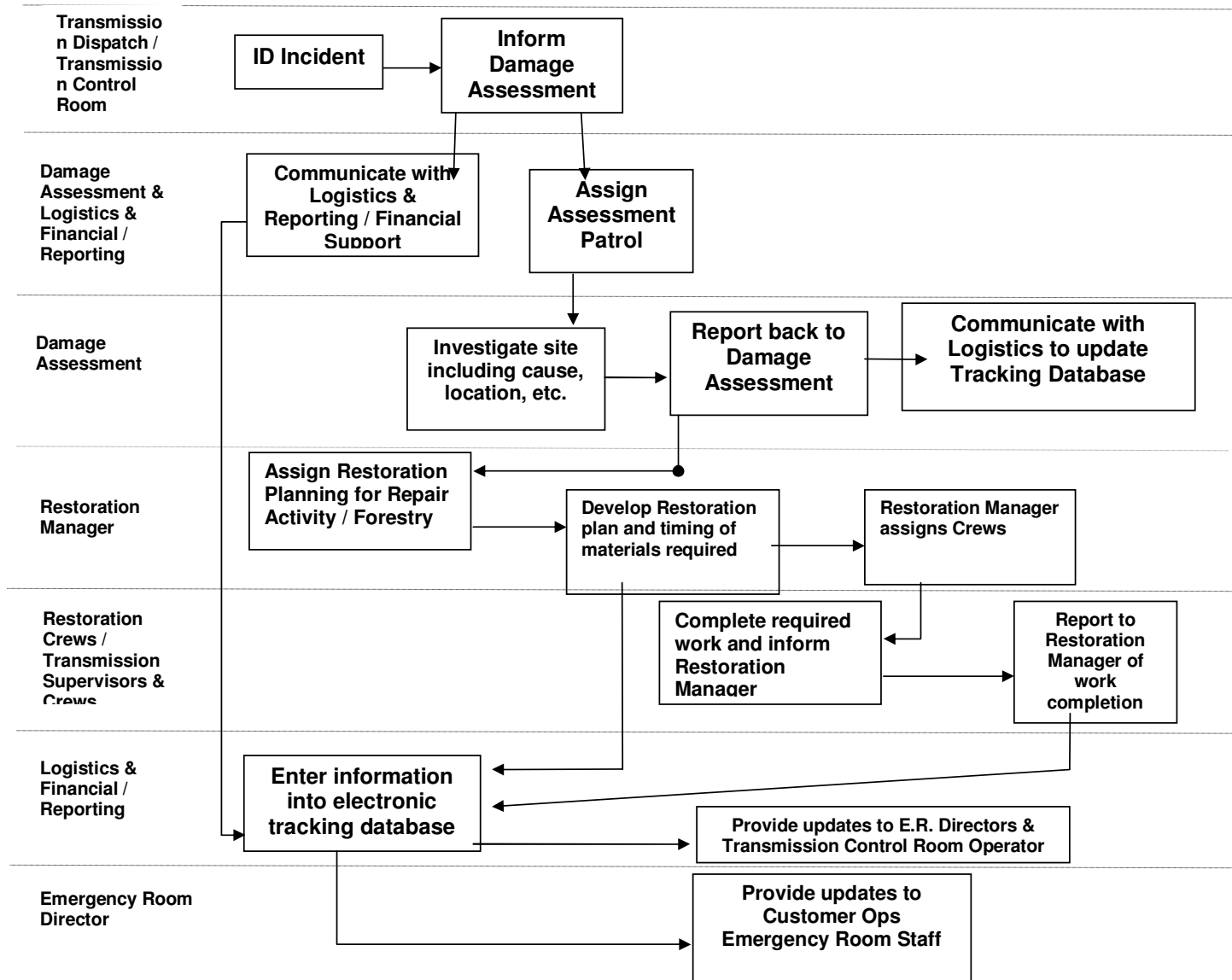
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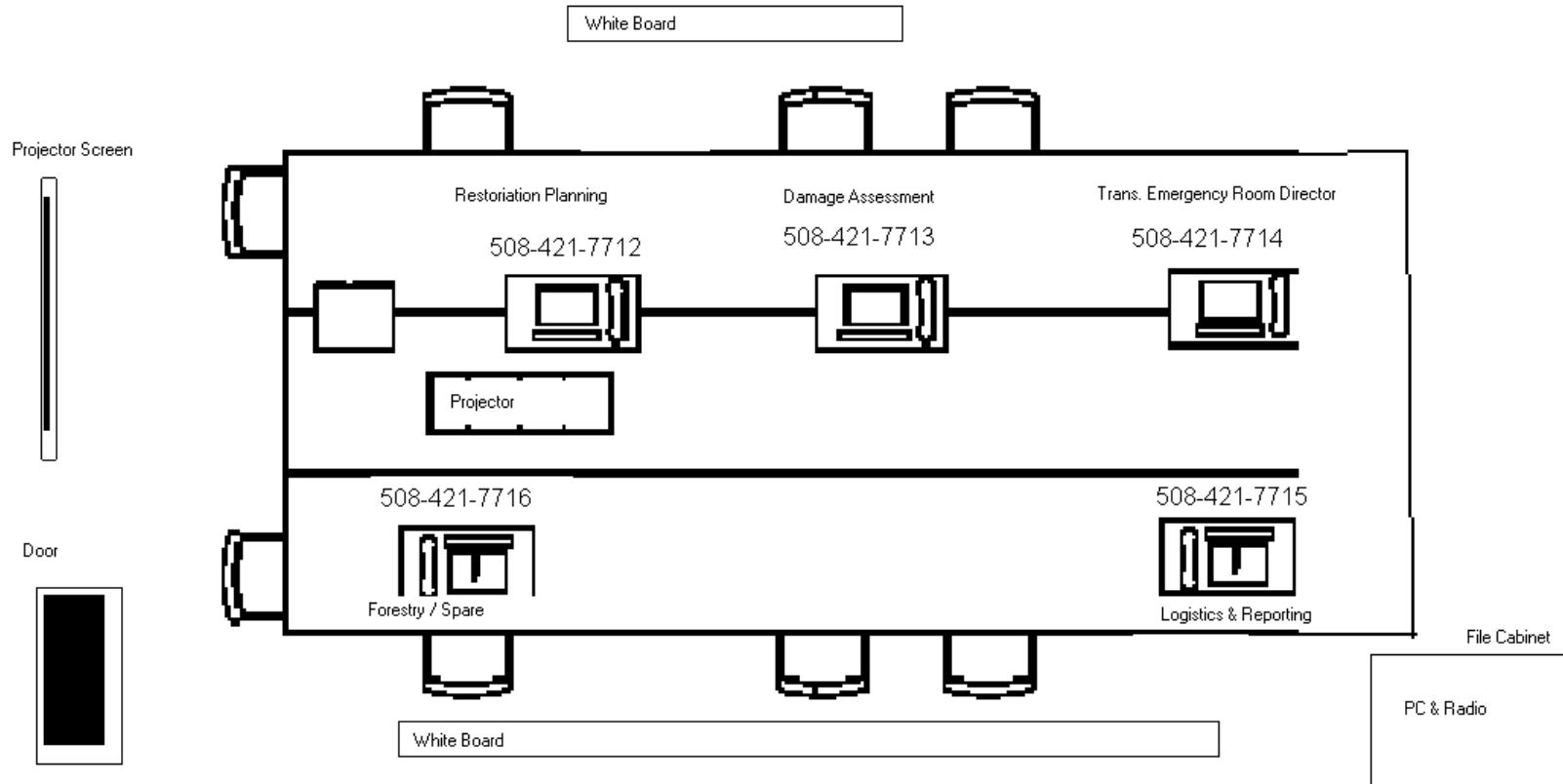
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	Emergency Restoration Plan	Version 1.3 – 07/18/11



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## APPENDIX C: Layouts NE & NY

### Transmission Northboro Storm Room



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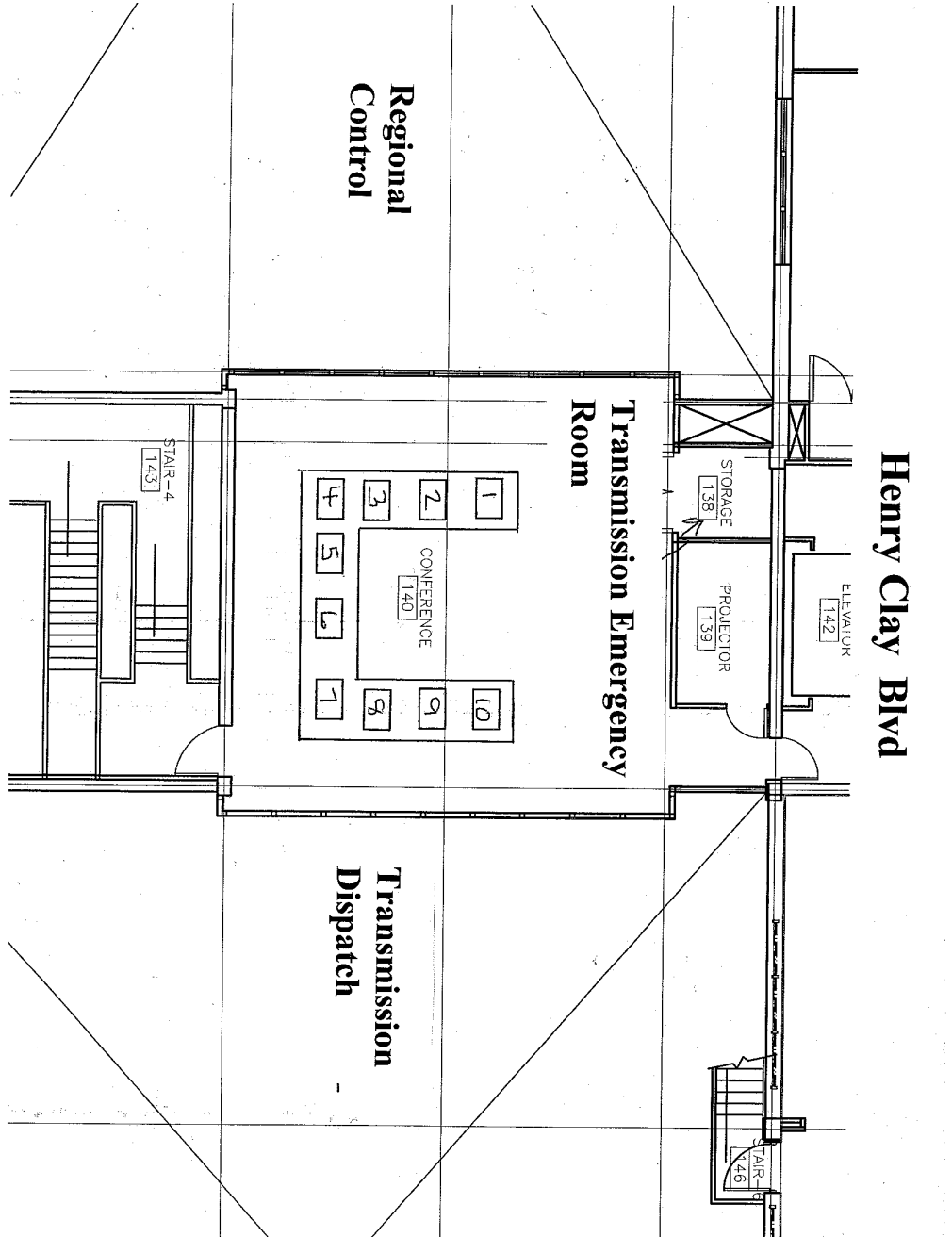
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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 41 of 86 Version 1.3 – 07/18/11



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	Emergency Restoration Plan	Version 1.3 – 07/18/11

**APPENDIX D: Pre-Event (3 Day Checklist)**

**CHECKLIST - THREE (3) DAY**

ACTIVITY	RESPONSIBILITY	DAY 3	DAY 2	DAY 1
Weather Forecast	System/Director	Monitor/Communicate	Monitor/Communicate	Monitor/Communicate
Set Up Conference Call	System/Director	Transmission/System	Transmission/System	Transmission/System
Personnel/Decentralize	System	Notify key personnel	Set up meeting	Notify to decentralize
Storm Charges	Logistics Coordinator (Designated)	Obtain Storm Charge #'s	Obtain Storm Charge #'s	Issue
Pro Card/StormCard	Restoration Field Coordinators / Supvs.	ID personnel for cash advance option	Request cash advance option	Notify Personnel of cash advance option
Fuel - Internal (Diesel)	Restoration Field Coordinators / Supvs.	Check inventory (through Fleet)	Request delivery	Receive delivery, top off all vehicles
Fuel - External	Restoration Field Coordinators / Supvs.	Contact O/S Vendor	Request O/S Vendor for off site delivery	Confirm O/S Vendor delivery to off site locations
Mobile/Cellular Phones	Restoration Field Coordinators / Supvs.	Review available inventory	Check each function for need	Assign to various departments
Staffing	Director	Review available staffing	Develop rotation/shifts	Assign & notify personnel of location & shift
Hand Held Radio	Restoration Field Coordinators / Supvs.	Review available inventory		Assign as required
SEALS Resources	Director / Restoration Coordinators	Review listing	Identify need	Request potential assistance
Retiree Resources	Director / Designee	Review listing	Make contact and identify need	Request potential assistance
Vehicles	Restoration Field Coordinators / Supvs.	Review available inventory		Make available for use

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 43 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

CHECKLIST - THREE (3) DAY Continued on next page				
		Identify vehicles awaiting repair	Complete repairs	Make available for use
Generator (Portable)	Restoration Field Coordinators / Supvs.	Test	Repair, if necessary	Make available for use
Light Trailer	Restoration Field Coordinators / Supvs.	Test	Repair, if necessary	Make available for use
Hotels	Logistics Coordinator (Designated)	Review listing with Northboro E-Room	Confirm availability with Northboro E-Room	Contact Northboro Eroom with # of employees and locations
Staging Areas Meals/Lodging	Logistics Coordinator (Designated)	Review listing with Northboro E-Room	Confirm use -space	Verify & confirm areas
Restaurants	Logistics Coordinator (Designated)	Review listing with Northboro E-Room	Confirm availability with Northboro E-Room	Verify & confirm areas
E-room/Satellite Locations (Northboro)	Emergency Room Coordinators	Set up and test Systems (Northboro)	Repair, if necessary	Assign personnel rotation/shift
Storm Stock	Logistics Coordinator (Designated)	Review inventory	Request made to CDC	Receive material
General Stock	Logistics Coordinator (Designated)	Review inventory	Contact CDC or O/S vendor	Request delivery of stock
Maps/Records/Etc.	Damage Assessment Coordinator	Review, print and availability	Supplement as needed	Deliver if necessary
O/S Vendors-Excavating	Restoration Field Coordinators / Supvs	Contact Transmission Line Vendors	Confirm use	
Utility Exemption (Intrastate Exemption)	System		Apply as required	Apply as required - communicate to personnel
Building Evacuation Plans	System	Review plans	Communicate to key personnel	Implement plan as required
Evacuation Zones/routes	System	Identify potential zones/routes - Equipment affected	Communicate to key personnel	
Emergency Generators Building	Facilities	Test/repair	Repair/test	
Corporate Communications	Corp. Corm.			

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 44 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

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	PROJECT MANAGEMENT & CONSTRUCTION	DAVID WAY



nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 45 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## APPENDIX E: Procedure to Prevent or Abort a Documentum Outage

Due to a Nightly Backup

### Overview

Every evening, the Documentum application is taken down so that Point-in-Time backups can occur simultaneously on the Oracle Databases and the Content Files stored on the SAN. The jobs that take down Documentum and perform the backups, and then bring Documentum back up, are all part of the Documentum Backup Job Stream, which is an ESP application called **DOCUPROD**.

DOCUPROD consists of the following list of smaller jobs:

DOCDOWN	Takes down Documentum
BKUP55C	Backup of Content Files on SAN
DOCUP	Brings Documentum back up
DOCCHK	Verifies that Documentum is back up

If DOCUPROD hasn't started yet, you can prevent it from running at all (**Prevent**). If DOCUPROD has already started, you can force complete the first two smaller jobs listed above (**Abort**). The following paragraphs describe the two scenarios.

**Prevent** - The DOCUPROD application is loaded in the Shift Supervisor's Job list at 20:00. Between 20:00, and the time that the DOCDOWN job starts at 22:00, the entire application can be 'Force Completed' by the Shift Supervisor on duty. The result is that a Documentum outage will be precluded for that night. Note: There will be no Point-In-Time backup for that night.

**Abort** - If DOCUPROD is already running, (after 22:00) the Shift Supervisor has to wait for DOCDOWN to complete (approximately 22:20), then 'Force Complete' BKUP55C. The result is that Documentum will be brought back up within 30 minutes of the Force Complete.

### Procedure

In the event of an emergency, storm situation, or any other situation that requires Documentum to be up and running, please call the Enterprise Support Center at (315)428-6360. Have them open an Incident, and call a Documentum support representative in IS, according to the support document for the Documentum application in Remedy and/or the IS Call Out Database. Here are the names and numbers:

Name	Work	Home	Cell
Doug Mokry	[REDACTED]	[REDACTED]	1
Don Fitzgerald	[REDACTED]	[REDACTED]	[REDACTED]

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 46 of 86 Version 1.3 – 07/18/11

The Documentum Support person will use the procedure on Page 2 to either **Prevent** DOCUPROD from running, or **Abort** an already running DOCUPROD.

**Between 20:00 (8:00 PM) and 22:00 (10:00 PM):**

**Prevent** - Call the Shift Supervisor at the Data Center. The number is (315)460-2700. Tell the Shift Supervisor to Force Complete the DOCUPROD application. This will prevent Documentum from coming down for backups. The Shift Supervisor will log this change in the Turnover Log.

**After 22:00 (10:00 PM)**

**Abort** - Call the Shift Supervisor at the Data Center. The number is (315)460-2700. Tell the Shift Supervisor to wait for DOCDOWN to complete, then Force Complete BKUP55C in the DOCUPROD application. This will abort all backup processes, and start the process of bringing Documentum back up. At this point, Documentum should be up and running in within 30 minutes. The Shift Supervisor will log this change in the Turnover Log.

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 47 of 86 Version 1.3 – 07/18/11

## APPENDIX F: Phone Contacts

<u>New England Control Center/REMVEC</u> 55 Bearfoot Road Northborough MA, 01532 (Revised 08/03/2010)			
<b>Bay State North Granite State</b> <b>Bay State South</b>		<b>Bay State West</b> <b>Ocean State</b>	
866-258-0157	800-423-6029	866-870-4358	800-423-6029
508-389-2492	508-366-8393	508-389-4212	508-366-8393
<b>System Operators</b>			
SB	Steve Barry	DJ	Dave Johnstone
JB	John Botelho	CM	Carmela Manzano
RB	Ron Burdett	KTN	Kevin Nangle
SC	Steve Cabral	AWP	Alex Pollard
CD	Chad Dawkins	JP	John Pratt
JD	Jeff Doucette	DER	Dave Rutana
GAD	Greg Dunn	RSJ	Rick St Jean
AF	Alan Feener	MT	Mark Trudeau
WM	Bill Gould	JW	Jim Winer
JH	Jarrod Haney		
<b>Principal Trainer</b>		<b>Operations Coordinator</b>	
Wayne Farnsworth		Michael Helmka	
<b>Security Operator</b>			
800-382-7260		800-423-6029	
508-366-8393		FAX:508-389-3297	
<b>Outage Coordinators</b>		<b>Applications Coordinators</b>	
Kelly Brown		Jonathan Conover	
Pam Brown		Tim Shippee	
Daniel Gamache			
Todd Johnson			
Phil Lesperance			
Amsa Mangga			
Mike O'Brien			
John Porter			
Ed Prive			
<b>Director NE Control Center/REMVEC</b>			
Will Houston			

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 48 of 86 Version 1.3 – 07/18/11

<b>Manager NE Control Center / REMVEC – Outage Coordination</b>	<b>Manager NE Control Center/ REMVEC – Control Room</b>
Todd Johnson [REDACTED]	Phil Lavallee [REDACTED]
<b>Emergency Numbers (to be used for loss of Control Center IPC Phone System)</b>	
<b>System Operators</b>	<b>Security Operators</b>
508-421-7700, 7701, 7702, 7703	508-421-7688, 7689

**New York Control Center/REMVEC**

**Director:** Mike Schiavone [REDACTED]

**Manager:** Dan Cammarata [REDACTED]

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 49 of 86 Version 1.3 – 07/18/11

## Project Management & Construction

Project Management & Construction Telephone List - July 2010					
One Call Safety System: 1-866-322-5594 (1-8)-ONE-CALL Z1)					
Near Miss / Significant Hazard reporting: Enter On-line through Incident Management System (IMS) from Safety & Health Infonet Site or Call One Call					
DISPATCH OUTSIDE LINES Transmission: 800-423-6029 or 508-366-8393 POWER OUTAGE: 800-465-1212					
NE North Shift Supervisor: 508-421-7879					
NE South Shift Supervisor: 508-421-7885					
Northboro Emergency Room: 508-421-(5)7891 Syracuse Storm Room: 315-428-6773; 315-428-6769 and 315-428-3147					
NE Tie Lines: Northboro (5); No. Shore (8); Western (2); MMV (5); Southeast (2); Central (3); So. Shore (5); Providence (4); Nantucket (3)					
NY Tie Lines: Syracuse: 821; Beacon North: 829; Albany: 831; Buffalo: 844					
Reservoir Woods/Waltham: 781-907-xxxx Northboro: 508-421-xxxx or 508-357-xxxx					
NAME			Title		Location
Abucewicz, Paula			NE Designer		Waltham
Addatta, Richard			Strategic Contract Analyst		Waltham
Ahern, Barry			Coordinator		Waltham
Albarnaz, Ray			NE TLS Sup.		NE
Alexander, Scott R			Sr Supervisor		Syrcause
Anand, Sonny			Mgr D Line NY/NE		Waltham
Ananthakrishnam, Viji			Sr Analyst		Waltham
Antunes, Nelson			Proj Mgmt (B&V)		Waltham
Apple, Ken			NE TLS Sup.		NE
Aubin, Dana			Sr. Supervisor		NE
Austin, Bill			Analysts		Syrcause
Baldwan, Sandeep			Sr Proj Mgr		Waltham
Bamrungsuk, Tammy			Analyst		Waltham
Bangma, Randall J			Const Supv S		Northboro
Barber, Kim			Sr Proj Mgr		Syrcause
Bard, matt			Contractor Analyst		Waltham
Barney, Lorriane			Mgr Proj Mmt		Syrcause
Barrerio, Diana			Admin Assist		Syrcause
Batstone, Geoffrey			NE Designer		Waltham
Beaulieu, Gene			Supv T NE		Waltham
Beaumont, John			Sr. Supervisor		NY
Beron, David			Ld Proj Mgr		Waltham
Breen, George			Sr. Supervisor		NY
Brezinsky, John J			Sr Supervisor		Buffalo
Bristol, Marc			Proj Mgr		Waltham
Burke, John			NY Substation		Syrcause
Busby, Mike			Sr. Supervisor		NE
Callahan, Dan			Sr Supv T NY		Syrcause
Carlson, Carl			Sr. Supervisor		NY
Carney, Pete			NE TLS Sup.		NE
Carroll, Michael			Mgr Const NY		Albany
Champy, Dena			Ld Proj Mgr		Waltham
Chandler, Ed			Contractor Sr. Supervisor		NY
Chisholm, Todd M			Const Supv N		Northboro

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FILE: ESRP.04.14EMERGENCY RESTORATION PLAN

ORIGINATING DEPARTMENT:

SPONSOR:

PROJECT MANAGEMENT & CONSTRUCTION

DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 50 of 86 Version 1.3 – 07/18/11

### Project Management & Construction Continue

NAME	Title	Location
Ciero, Anthony	Ld Proj Mgr	Syrcause
Clancy, Jack		Waltham
Coccoluto, Patricia	Exec Assist	Waltham
Coffey, Rodney	Proj Mgr (Pro Unl)	Syrcause
Cole, Dennis	Sr. Supervisor	Syrcause
Cole, H Gregory	Sr Supervisor	Buffalo
Conboy, Mark	Sr. Supervisor	NY
Costa, John	Sr. Supervisor	NE
Coughlin, John	Contractor Estimator	
Cullen, Steve	NE/NY Sr. Supervisor	
Culleton, Mark	Estimator	Waltham
Dailing, Patrick	Estimator	
Darwin, Kate	Director Outsourced Const	Waltham
Dayacap, Enrique C	Const Supv (Civil)	Northboro
Decker, Dennis	Const Supv (Civil)	Eastern NY
Deforge, Richard A	Const Supv (Civil)	Salem, NH
DelloRusso, Emma	NE Design Engineer	Waltham
Denny, Christopher	Ld Proj Mgr	Syrcause
DeStefanis, Gary	NY/NE Sr. Supervisor	
DiCecco, Mike	NE TLS Sup.	NE
Draper, Warren	Construction Manager	Waltham
Drishler, Fred		Albany
Dunn, Brian	Ld Proj Mgr	Wlatham
Edinger, Kelan	Assign	Syrcause
Eichhorn, Rick	NY TLS Sup.	NY
Eisan, Patrick E	Const Supv N	Northboro
Ernst, William M	Const Supv S	Northboro
Findlen, Suzanne	Ld Proj Mgr	Wlatham
Fiorentino, Scott J	Sr Supervisor	Syrcause
Fisher, Jeffrey	NE TLS Sup.	NE
Fitzgerald, Mark	NY TLS Manager	Buffalo
Fitzgerald, Timothy J	Ld Const Supv (Civil)	Waltham
Fleming, William	Sr Supv T NY	Buffalo
Folan, Dave	NE TLS Sup.	NE
Fonda, Jeffrey E	Sr Supervisor	Albany
Fu, Johnny	Coordinator	Waltham
Fultz, Christopher	Proj Mgr (B&V)	MI
Garza, Alvaro	NY Estimator	Syrcause
Gavumik, Kenneth	Sr Proj Mgr	Syrcause
Geroski, Joe	Contractor Sr. Supervisor	NY
Getman, Michael C	Construction Coor	Albany
Gibson, Nick	NE/NY Maintenance Mgr	Waltham
Girard, Ted	Supv T NE	Westboro
Guertin, Michelle	Scheduler	Waltham
Harper, Glenn	Construction Manager	Waltham
Haywood, Ronald D	Const Supv N	Northboro
Herman, Karen	Analyst	Wlatham
Hewitt, Nancy	Adm Assist (Surburban)	Waltham
Hilton, Danielle	Analyst	Waltham
Hoffman, Eugene	Sr Proj Mgr	Syrcause
Hollaway, Michael F	Const Supv S	Northboro
Horelik, Kathy	Mgr Proj Mmt	Waltham

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 51 of 86 Version 1.3 – 07/18/11

### Project Management & Construction Continue

NAME	Title	Location
Huntington, Chris	NE/NY Materials Mgr	Waltham
Hyland, Mark	NE TLS Sup.	NE
Jansma, Michael P	Sr Supervisor	Buffalo
Johnson, Bob	NE/NY Scheduling Mgr	Waltham
Jones, Richard	Proj Mgr (Tech S Corp)	Waltham
Jordan, Gregg	Sr Proj Mgr	Syrcause
Kane, Francis	Sr Proj Mgr	Syrcause
Keating, Tim	Supv T NE	Westboro
Keraghan, John R	Const Supv (Civil)	Marlboro
Kerr, Randy	NY TLS Sup.	Buffalo
King, Michael	Ld Proj Mgr	Syrcause
Kisselstein, Richard	NY Substation Manager	Syrcause
Knapik Jr JR, Theodore A	Const Supv (Civil)	Malen
Koodhathinkal, Binoy	Ld Proj Mgr	Waltham
Kopoyan, Todd	Proj Mgr (EIG)	Sutton, MA
Korb, Leif E	Const Supv N	Northboro
Krause, Marliou	Estimator	Waltham
Kuzeil, Melinda	HR	Waltham
Lambert, Wayne M	Const Supv (Civil)	Malen
Landry, Dave	Coordinator	Waltham
Lasher, Josh	Sr Supv T NY	Syrcause
Laurence, David	Proj Mgr (P&V)	MI
Lavin, Peter	Sr. Supervisor	NE
Lebro, Peter	Proj Mgr (TRC)	Syrcause
LePearl, Richard	Analysts	Marlboro
Lin, Elaine	Analyst	Waltham
Lynch, Joel	Mgr RDV	Waltham
Maesto, Ronald	NE TLS Sup.	NE
Manley, Dan	Sr Supv T NY	Buffalo
Marchio, Mario	NE/NY Estimating Mgr	Waltham
Marschall, Paul	Sr Supv T NY	Syrcause
Marshall, Steve	Sr. Supervisor	NE
Mazur, Leon	Mgr Comm Mgt NY	Syrcause
McBain, Scott	Sr. Supervisor	NY
McCarthy, Michael J	Sr Supervisor	Albany
McDonald, Brian	NY TLS Sup.	Buffalo
McDonough, Paul	Sr. Supervisor	NE
McNamara, Daniel J	Ld Const Supv N	Walham
Mettle, Vickie	Scheduler	Waltham
Miley, James M	Const Supv (Civil)	Providence
Mockapetris, Joe	NE/NY Design Mgr	Waltham
Moody, Charlene	Sr Proj Mgr	Syrcause
Muessigbrodt, Carol	Proj Mgr (TRC)	Syrcause
Murdock, John	Ld Proj Mgr	Waltham
Murphy, Tim	NY TD Designer C	Syrcause
Murphy, Tom	Construction Manager	Waltham
Murty, Bill	NY TLS Manager	NY
Natale, Edward	Const Supv N	Northboro
Nealon, Jim	Supv T NE	Salem, NH
Noenlad, Somboon	Const Supv N	Northboro
Nordquist, Eric	Sr. Supervisor	
Norton, Dave	NY Substation Manager	Syrcause

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 52 of 86 Version 1.3 – 07/18/11

### Project Management & Construction Continue

NAME	Title	Location
O'Reilly, David	Mgr NY	Syrcause
Orr, Patty	NY TLS Manager	NY
Ostrosky, Steven	Const Supv (Civil)	Worcester
Pacheco, Dave	Sr. Supervisor	NE
Paquette, Jill	Admin Assistant	Waltham
Paquette, Peter	Supv T NE	Westboro
Parent, Dan	Sr. Supervisor	NE
Peck, Greg	Analysts	Syrcause
Perfitt, Dave	NY TD Supervisor	Syrcause
Perkins, Rick	Supv T NE	Westboro
Perkins, John M	Const Supv S	Northboro
Pezzano, Mark	Field Acctg	Waltham
Pitsios, Jim	Field Acctg	Waltham
Pouliot, Ronald G	Const Supv S	Northboro
Powell, Mark	NY Scheduler	Syrcause
Price, David	Contractor Sr. Supervisor	NY
Raymond, Fred	Director In-house Const	Waltham
Richards, Randy	Construction Manager	Waltham
Rondeau, John	Mgr Contract Admin	Waltham
Roodkowksy, Tatiana	Mgr Comm Mgt NE	
Rougham, Jack	Ld Proj Mgr (ProUn)	Waltham
Ryder, Scott*	Proj Mgr (EIG)	Sutton, MA
Sacco, John	Supv T NE	Waltham
Salamone, Stephen	Sr Supv T NY	Syrcause
Savage, Peter J	Sr Supervisor	Albany
Scarone, James	Ld Proj Mgr	Waltham
Schneller, Andrew	Ld Proj Mgr	Waltham
Seybold, Wayne	NY TD Designer C	Syrcause
Shephard, Roland	Contractor Sr. Supervisor	NY
Slattery, David W	Construction Coor	Buffalo
Souza, Kevin	NE TLS Sup.	NE
Spooner, Clede R	Sr Supervisor	Syrcause
Stefano, Doug	Sr Supv T NY	Buffalo
Stefano, Paul	Contractor Sr. Supervisor	NY
Stone, Gary	Sr. Supervisor	NE
Storms, Jon	Contractor Sr. Supervisor	NY
Sullivan, Brian P	Const Supv S	Northboro
Symons, Kevin	Ld Const Supv E	Albany
Szczepanek, Michael S	Mgr NE	Waltham
Tetrault, Rihcard	Sr. Supervisor	NY
Vincent, Anthony	Ld Proj Mgr	Syrcause
Voner, Don	Analysts	Marlboro
Wang, Shirley	NE Sr. Engineer	Waltham
Waskewicz, Mike	NE/NY Sr. Supervisor	
Way, David C.	VP Proj Mgmt & Const	Waltham
Weagle, Sonya	Material Coordinator	Waltham
Wetherell, Chip	Construction Manager	Waltham
Whalen, Casey	NY Scheduler	Syrcause
Wiate, Bill	NY TLS Sup.	NY
Wiecek, Greg	Analysts	Syrcause
Wilcox, Robert	Contractor Sr. Supervisor	NY
Willette, Ted	NE TLS Sup.	NE

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FILE: ESRP.04.14 EMERGENCY RESTORATION PLAN

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 53 of 86 Version 1.3 – 07/18/11

### Project Management & Construction Continue

NAME		Title		Location
Willis-Taylor, Lauri		Proj Mgr (B&V)		MI
Wilson, Chuck		Proj Mgr (EIG)		Sutton, MA
Wiseman, Timothy G		Ld Const Supv S		Waltham
Wlbur, Don		Analysts		Marlboro
Wojtanowski, Walter		Mgr Const NE		Syrcause
Woolshlager, Larry		Sr Eng		Syrcause
Wunderley, Tatianat		Contractor Analyst		Waltham

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 54 of 86 Version 1.3 – 07/18/11

**Transmission Call Tree**

<b><u>Employee Name</u></b>	
-	
<b><u>Transmission Asset Management</u></b>	
-	
<b>Paul Renaud - VP</b>	
-	
<b><u>Trans Line Engineering</u></b>	
Mark Browne – Director (primary)	
Richard Dupre (secondary)	
Jim McGrath - Mgr TLO&M	
Lisa G. Sasur (secondary)	
-	
<b><u>Trans Planning</u></b>	
Carol Sedewitz - Director	
Gabe Gabremicael Mgr NE	
Joe Hipius - Mgr NY	
Dana Walters - Mgr Policy	
Glenda Jones	
-	
<b><u>Trans Investment Mangement</u></b>	
Thomas Sullivan - Director	
Mario Carlino - Mgr	
Edward Dahill	
Greg Boyce	

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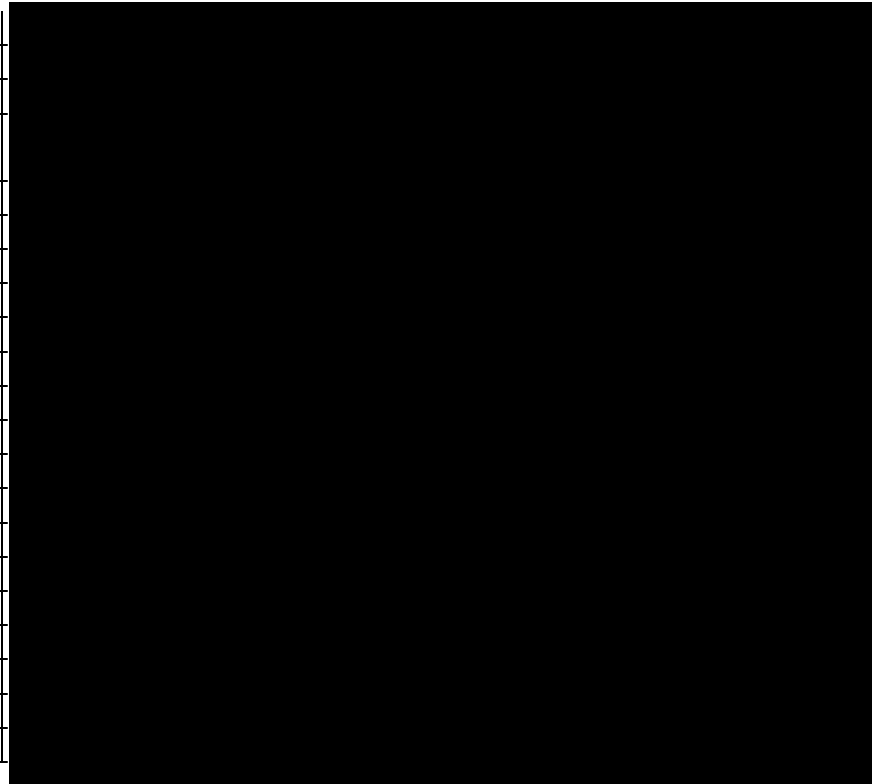
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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 55 of 86 Version 1.3 – 07/18/11

John Roche
Mariclaire Rigby - NE
Teri Niedzielski - NY
<b><u>Transmission Regulation and Customer Services</u></b>
<b>Mary Ellen Paravalos - VP</b>
Kathryn Cox
<b><u>Transmission Customer Services</u></b>
Bill Malee - Director
Ed Kremzier - NE
Bob Moran - NE
William Donovan -NY
Doug Fuess - NY
Joe Kriasiak - NY
<b><u>Regulation</u></b>
Terron Hill - Director
Kristine Mespelli



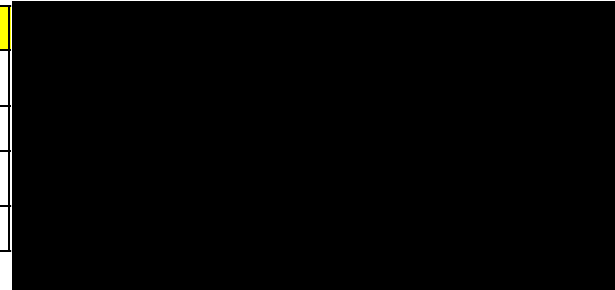
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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission Emergency Restoration Plan	Doc. # ESRP.04.14 Page 56 of 86 Version 1.3 – 07/18/11

## Forestry

### National Grid Transmission Forestry: NEW ENGLAND

NAME	COVERAGE
John Cookson	VT, NH, Northern & Northwestern MA
Jason Magoon	RI, Central & Southeastern MA
Jon Duval (secondary contact)	RI, Central & Southeastern MA
Dawn Travalini	Regionwide Secondary Contact



### National Grid Transmission Forestry:

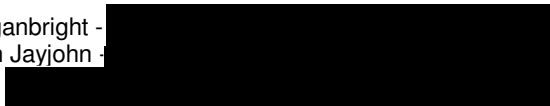
#### NEW YORK

NAME	COVERAGE
Ryan Blothenburg	Frontier, Genesee, Southwest
Ken Kirkman	Central, Northern, Mohawk
JT Carroll	Capital, Northeast
James Stoddard	Statewide Secondary contact



## Outsource Contacts

Harlan Line. John Arganbright -  
Three phase. Norman Jayjohn -  
Frye. Rich Kashinsky



### Supervisors:

Harlan - Fred Drischler 518-573-4525  
3 Phase - Steve Salamone 315-219-3138  
Fry - William Fleming 716-672-9948

**Randy Bemis** home 802-368-7628  
Cell 802-258-0609 pager 802-741 -2703

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 57 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Rodney Bemis - President  
Bemis, LLC ~ A Hawkeye Company ~  
P.O. Box 289  
Jacksonville, VT 05342

Randy Bemis

Aimee  
Steve Coburn

[NEA](#)

**Dennis Head**

Dennis Head | Operations Manager

**New Energy Alliance**

300 Nickerson Road | Marlborough, Ma 01752

office: | fax: 774.463.1599

[dennis.head@neallc.com](mailto:dennis.head@neallc.com)

Richard Maguire cell phone

Richard Bates

Hermann Frisch

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 58 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Tom Jones

Thirau

Alain Blanchette

Project Manager

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 59 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

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	PROJECT MANAGEMENT & CONSTRUCTION	DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 60 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

### Material Logistics, Equipment Lists, Storm Kits and Locations

1. The Materials Manager will be the conduit for all material needs within the Restoration Planning Group. An MSR# will be created by the Transmission Line Engineers within the Restoration Group and given to the Materials Manager. The MSR# and any other material needs will then be communicated to the Materials & Rigging Coordinators. The Material & Rigging Coordinators will assess the needs for materials and decide to obtain material from either set lay-down areas or the North East (NEDC)/Henry Clay distribution centers and any delivery/rigging needs if applicable.
2. If material is required from the NEDC, the coordinators will call (508) 389 – 4701 (24 hours a day), give the MSR#, and inform the NEDC the MSR# is **Transmission's** and for the storm. At that point, the **Transmission** MSR# is given top priority and delivery/pick-up options are decided between the NEDC and the Rigging Coordinator.

Materials	First	Last	Title
Materials	Chris	Huntington	NE/NY Materials Manager
Materials	Dave	Landry	NE Materials Coordinator
Materials	TBD		NY Materials Coordinator
Materials	Eric	Nordquist	Sr. Supervisor/NE Depot
Materials	Eileen	Girard	Field Acctg
Materials	Mark	Pezzano	Field Acctg
Materials	Jim	Pitsios	Field Acctg

### NY & NE - Distribution Center contacts

#### New England Distribution Center (NEDC)

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 61 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Assigned To:	
Major Storm “ <b>HOT LINE</b> ” (manned 24 hours a day)	
Dan Prior - NEDC Manager	
Steve Bolger - Lead Spvr	
Plunkett, Joe (Xfmrs)	
Jeff Amaral	
Bob Heron	
Dana Ryan	

3. If material is required in New York, the coordinators will call the correct warehouse if known or Tom Price at Henry Clay Boulevard (HCB) if in question to be directed to the proper warehouse. All items will be picked within an hour and delivery will be made from the corresponding distribution center to the needed location. The New York contact names and numbers are listed below.

New York Region	
NAME	
Linda Bamberger - NY Manager	
Chuck Forte - NY East (Clifton Park)	
Kim Mead - NY East (Clifton Park)	
Joe Santore - NY Central (HCB)	
Rick Spuhler - NY Central (HCB)	
Rachel Brennan - NY West (Buffalo)	

4. Storm bags/kits can be obtained through the Material Coordinator with emergency phones if needed.

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	PROJECT MANAGEMENT & CONSTRUCTION	DAVID WAY

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 62 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## CONEX BOXES AND LOCATIONS

TLINE maintains regional emergency CONEX boxes. The boxes were set up to only stock any wire and hardware for the area they are in. The boxes also have a few miscellaneous items i.e., rope, block etc. All TLINE supervisors have a key to these boxes and all are keyed alike.

### NE TLINE Emergency Conex Box locations

- **MERRIMAC VALLEY** ---- TEWSBURY 22 SUB, 357 OLD BOSTON RD., TEWKSBURY, MA
- **CENTRAL** ----- WEST CHARLTON SUB, 187 Sturbridge RD., WEST CHARLTON, MA
- **CAPITAL, COASTAL** ----- FARNUM SUB, 76 GREENVILLE RD, NORTH SMITHFIELD, RI
- **CENTRAL**-----WESTMINSTER SUB, 1 W. STATE RD., WESTMINSTER, MA.
- **WESTERN**-----DEERFIELD #4 , MAIN ST., RT 112, SHELBURNE, MA
- **SOUTH SHORE**-----BRIDGEWATER SUB, 1233 PLEASANT ST., BRIDGEWATER, MA.
- **CHARLESTOWN, NH** ----NATIONAL GRID BARN, 58 SOUTH MAIN ST., CHARLESTOWN, NH.
- **WESTERN**----- PALMER SUB, 24 BLANCHARD ST., PALMER, MA
- **WESTBORO DEPOT** ---- 25 RESEARCH DR., WESTBORO, MA

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 63 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## **NY TLINE Emergency Conex Box locations & Rock Drilling**

- **Western Division**

Niagara Falls Service Center  
Mortimer Substation

- **Central Division**

Henry Clay Blvd Service Center  
Watertown Service Center  
Potsdam Service Center  
Harbor Point Substation

- **Eastern Division**

Rensselaer Service Center  
Amsterdam Substation  
Queensbury Substation

## **Environmental**

### **East is:**

Tracy Miller, AICP  
Senior Environmental Analyst, Licensing and Permitting  
nationalgrid  
1 Apollo Drive  
Glens Falls, NY 12801

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

### **Central is:**

Stephen Haller  
Analyst  
nationalgrid  
Environmental Services  
300 Erie Blvd W. A-3  
Syracuse, NY 13202

[REDACTED]

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 64 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

**West is:**

Frank Sciortino  
Lead Analyst, Environmental Services  
National Grid  
300 Erie Blvd. West  
Syracuse, New York 13202

[REDACTED]

[REDACTED]

[REDACTED]

**All regions:**

Mike Sherman  
Principal Environmental Engineer  
National Grid  
300 Erie Blvd. West  
Syracuse, New York 13202

[REDACTED]

**Rock Drilling**

New York located in Saugerties  
New York Drilling

[REDACTED]

**Satellite Phones** (To be used as back-up in case Cellphone and Land Lines are not in service)

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national <b>grid</b>	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 65 of 86 Version 1.3 – 07/18/11

SIM Card # 8988169514000849468	Iridium #881651497424	<b>NE Storm Room Phone # 1 480-458-6201</b>
SIM Card # 8988169514000849443	Iridium #881651497366	<b>NY Storm Room Phone # 1 480-263-5184</b>

Supervisor		Unit #
Ray Albernaz	(	1
Chip Wetherell	(	2
Mike DiCecco	(	3
Kevin Souza	(	4
Pete Carney	(	5
Ken Apple	(	6

**TLINE NE PAGER INFO**

Cap Code		Assigned
3519158		
2897948		
3957867		
3428939		

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 66 of 86 Version 1.3 – 07/18/11

2796136		
4253203		

Supervisor		Unit #
Fitzgerald		881651498142
Fitzgerald		881651498143
Eichhorn		881651436872
Wiate		881651436871
Orr		881651436873
Wagner		881651436874

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 67 of 86 Version 1.3 – 07/18/11

#### HELPFUL HINTS FROM SATPHONESTORE

##### IMPORTANT

If your phone asks for a PIN, the default PIN is 1111.

##### DIALING OUT WITH YOUR SATELLITE PHONE

To place a call anywhere in the world:

Dial **00 + Country Code + Phone Number**. For example, to call a US number you would dial 00-1- 10-digit phone number

To call another Iridium satellite phone:

Dial **00 + Iridium Phone Number (8816-xxxx-xxxx)**

##### HOW PEOPLE CAN REACH YOU

- 1) Dial 011+ the satellite phone number (8816-xxxx-xxxx)  
*This is an international call and will be billed to the caller at their long distance rate by their telephone service provider.*
- 2) SMS Message- receive free text email up to 120 characters per message the customer needs to visit  
<http://messaging.iridium.com/>  
  
\*\*\*When replying to an SMS on your Iridium phone, you get an error *No service number, please follow the procedures below.*  
This only has to be done once.  
  
Press envelope key  
Scroll down to *Message Settings*  
Press ok  
Scroll down to *Service Center*  
Press ok  
Dial *00881662900005*  
Press ok
- 3) Customer's email is IRIDIUMNUMBER@msg.iridium.com
- 4) Using 2 Stage Dialing- Dial 1-480-768-2500. At the prompt enter the 12 digit Iridium phone number  
*This feature will deduct the usage time from the satellite phone user*

##### VOICE MAIL

- 1) From the Iridium phone dial 00881662990000 (From a land line dial 011 881662990000)
- 2) When you are prompted to enter the Iridium number you are trying to reach enter IRIDIUM VOICE NUMBER
- 3) Then you will hear the greeting. In the middle of the greeting press the star (\*) button.
- 4) At that point you will be asked to enter a password . Enter last 7 digits of the Iridium Voice Number that has been assigned to you.
- 5) You will then be in the voice mail set up platform you will be prompted through from there
- 6) Once you have set up your voice mail follow Repeat Steps 1-4.

##### Note:

- Voice mail and text messages are only saved in the Iridium network for 24 hours.

##### HOW TO CHECK YOUR BALANCE AND RELOAD AIRTIME (Prepaid Customers Only)

- 1) Dial 2888 from your satellite phone to check your prepaid minute balance.  
*This is a free call.*
- 2) To add more time you may call us at +13056339636 or online at <http://www.satphonestore.com/airtime/iridium-reloads.html>  
(You will need either your SIM Card Number or Iridium Phone Number)

If you require further assistance with your satellite phone call us from the US - Toll-Free (866) 633-9636

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 68 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11



### Design Contacts

Design	First	Last	Title	
Design	Paula	Abucewicz	NE Designer	7/2/11
Design	Geoffrey	Batstone	NE Designer	7/2/11
Design	Robert	Baulick	NY TD Designer C	3/5/11
Design	Kymberly	Brown		
Design	Tom	Brunner		
Design	Janice	Clark	NY TD Office Tec. C	3/5/11
Design	Emma	DelloRusso	NE Design Engineer	7/2/11
Design	Joe	Mockapetris	NE/NY Design Mgr	2/3/11
Design	Tim	Murphy	NY TD Designer C	6/3/11
Design				V
Design	Dave	Perfitt	NY TD Supervisor	3/5/11
Design	Wayne	Seybold	NY TD Designer C	3/3/11
Design	Shirley	Wang	NE Sr. Engineer	7/3/11

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ORIGINATING DEPARTMENT:

SPONSOR:

PROJECT MANAGEMENT & CONSTRUCTION

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 69 of 86 Version 1.3 – 07/18/11

## APPENDIX G: Forms

### 1. Incident Report Form

Incident Report Form					
Update By:		Update Date:	07/22/2010 14:51		
Incident Information (by Transmission Dispatch)					
Line:		Type of Incident (L/O, T/R, Tree Contact, Other):		Cause (Wind, Storm, Lghtng, Ice, Tree):	
Incident Location:			Area: (NE-N/S, NY-E/C/W)		
Incident Date & Time:		Incident Priority (High, Low, Complete)		Date & Time Trans. notified:	
Patrol Information (by Assessment Coordinator)					
Patrol Type		Patrol Start Date & Time			
Patrol or Helicopter Crew Assigned		Name, Phone, Company			
Damage Reported (describe damage)					
Damage Location (Town, Street Crossing, etc.)					
Poles/Structures Down		Spans Down			

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 70 of 86 Version 1.3 – 07/18/11

Phases Down			
Stations & Generation Companies Affected:			
Repair Information (by Restoration Coordinator)			
Repair Crew (supervisor, no. of men & equipment):			Repair Started Date & Time:
Estimated Repair Completion Date & Time:		Actual Repair Completed Date & Time:	
Follow-up required (Yes / No)		Description of follow-up required	
Comments			

[Updated Summary](#)

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 71 of 86 Version 1.3 – 07/18/11

## 2. Available Crews Form

nationalgrid		AVAILABLE CREW REPORT			
		Sheet _____ of _____			
DIVISION		LOCATION			
DATE		TIME			
CREWS	WORKING	RESTING	RETURNING AT		
LINE CREWS					
LINE CREWS					
Equipment Request					
Equipment Request					
TREE					
VEHICLES					
BUCKETS					
DIGGERS					
OTHER					
REMARKS					

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 73 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Date Received \_\_\_\_\_

Helicopter Company Contacted \_\_\_\_\_

Pilot Assigned \_\_\_\_\_ Helicopter ID \_\_\_\_\_

#### **4. Pre-Storm Checklists**

##### **A. Annual/Periodic**

The following items are to be done at least annually in preparation for emergency events:

- Review and update Transmission Emergency/Storm Restoration Plan. Items to update include:
  - Changes in operating philosophy
  - Personnel assignments
  - Vehicle assignments
  - Telephone numbers
- Verify that data used during restoration is updated, including
  - Transmission Line information – Road crossings
  - Up-to-date One line drawings
  - T-Sheets availability
- Check supply and operation of emergency equipment:
  - Emergency generators
  - Communication equipment (telephones, radios, cellular phones)
  - Weather forecasting equipment
- Review supplies and facilities used during emergency restoration, such as:
  - Meals and lodging facilities
  - Staging areas
  - Trouble slips, other forms, magnetic clips, etc.
  - Emergency vendors for fuel, materials, etc.

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 74 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

- Perform training for individuals associated with the restoration. This will include initial training for personnel with new emergency assignments as well as refresher training for others. The annual “Emergency Dry Run” exercise will serve to accomplish most of the training requirements, with additional training being performed on an as needed ongoing basis.

B. Prior to Major Emergency/Storm

In anticipation of a major emergency/storm, the following items will be addressed:  
**Proj Mgmt & Const. Staff –**

- Notify applicable Department of anticipated emergency. Meet with staff to review preparation:- Engineering - Stores - Dispatch - Arborists  
- Transportation
- Verify communication systems, including radio, key telephone numbers, pagers, cellular phones, etc. Charge and activate all cellular phones.
- Establish all communication paths in anticipation of requesting additional personnel (such as line crews, tree crews, supervisors, guides, etc.), and specific material needs (phones, vehicles, etc.).
- Make personnel assignments as per the Plan.
- Establish Project Number for the anticipated emergency.
- Notify Power Control/Transmission Dispatch of preparations. Ask for any lines that are out of service to be switched back into service.
- Set-up US Transmission Emergency Room and analysis areas as appropriate. Check communications with each area. Check adequacy of resources assigned to each area.
- Verify availability of special equipment (ATV, cranes, helicopters, skidders, etc.)
- Monitor weather reports; give periodic updates as needed.
- Notify Staging areas of our anticipated needs.

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 75 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

- Early damage appraisal team set up.
- Report crews available and other preparations made to US Transmission Emergency Room.

### **5. Crew Transfer Sheet**

1. Crew transfer sheets can be pre-populated by supervisor/manager/analyst for ease of obtaining information before a storm, but should not be sent in until the storm occurs.
2. DO NOT EVER DELETE LINE 27 on the crew transfer sheet
3. Once in a storm situation, the crew transfer sheet will be filled out by a logistics coordinator in each storm room or communicated to the storm room by the field supervisor.
4. The sheet must be numbered by the logistics coordinator before being submitted.
5. The logistics coordinator in NY AND NE will email the completed crew transfer sheet to: [CrewTransferSheetNY@us.ngrid.com](mailto:CrewTransferSheetNY@us.ngrid.com)
6. Once the Crew Intake Group receives the email, the supervisor noted on the Crew Transfer Sheet will be notified of the crew's lodging.

Theresa Leib is the point of contact for questions or concerns.

The crew transfer sheet can be found by going to this path on the infonet:  
[http://us1infonet/sites/emergency\\_planning/Pages/ResourcesonDemand\(RoD\).aspx](http://us1infonet/sites/emergency_planning/Pages/ResourcesonDemand(RoD).aspx)

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 76 of 86 Version 1.3 – 07/18/11

National Grid - Crew Transfer Sheet		nationalgrid		RoD Team #	A
Number Qualified OH Crews	D	rooms	B	Singles	
Number of Diggers	E	Number of Hotel Rooms	C	Doubles	
<b>FROM</b>		<b>TO</b>			
Team / Contractor Co Name		L			
HQ, Yard, Barn		M			
HQ / District Contact		Restoration Region			
Telephone #		Restoration Location			
Fax #					
Foreman / Superintendent		<b>ESTIMATED ARRIVAL</b>			
Telephone #					
NGRID Supervisor / FCC		Date/Time			
Telephone #		MM/DD/YY hh:mm (Military)			
<b>DEPARTURE (From Home HQ)</b>		<b>CREW AVAILABILITY</b>			
Date/Time		<input type="checkbox"/> Available to Work on Arrival <input type="checkbox"/> Requires Rest on Arrival			
Notes: * Complete All Fields Shaded in Yellow - Others are Optional * Select Field to Reveal Drop-Down List		<b>CREW CAPABILITIES (Qualified/Rated)</b>			
Vehicle ID: Ngrid - Add NE or NY to End of Truck Number		<input type="checkbox"/> Overhead Distribution <input type="checkbox"/> Transmission <input type="checkbox"/> Underground <input type="checkbox"/> Forestry <input type="checkbox"/> Other			
Contractors/MA Add 2 Letter Code:		P			
<small>McDonough=MC, USA=US, MJ Electric=MJ, Joy Electric=JY, KT Power=, Bemis LLC=BE, CC Power=CC, City Lights Electrical Co.=CL, Grattan Line Construction=GR, Henkels &amp; McCoy=HM, Midwest Electric=ME, O'Connell Electric=OC, Pike Electric=PE, SPE Utility Contra</small>					

- RoD Team ID – If an established ID, please identify. If not, leave blank for RoD personnel to enter
- Number of singles required. Supervisors/FCC are allotted a single as well as an odd number of females
- Number of doubles required.
- Number of Qualified Crews based on company/contractor policy
- Number of Diggers
- Team/Contractor Name: If Ngrid crew, use drop down box to identify. If Contractor crew, use blank choice in drop down and fill in company name
- HQ/Yard/Barn: Location of crew home work area
- HQ/District Contract: Name of person responsible for crew at home work area location
- Foreman/Superintendent: Home headquarters Foreman/Superintendent
- NGRID Supervisor/FCC: If Ngrid crew, identify NGRID Supervisor with the team. If contractor, identify the NGRID Supervisor with the team if known
- Departure time must be in Military time and date (ie. 03/21/10 09:00 or 21:00)

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nationalgrid	EMERGENCY PLANNING DOCUMENT Policy: General Transmission	Doc. # ESRP.04.14 Page 77 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

- L. Restoration Region: use Drop Down box or if unknown, use EOC  
M. Restoration Location: use Drop Down box or if unknown, use EOC  
N. Estimated Arrival time must be in Military time and date (ie. 3/21/10 09:00 or 21:00)  
O. Crew Availability: identify appropriately  
P. Crew Capabilities: identify all that are appropriate

[illegible]

- A. Last Name – Required 1<sup>st</sup> name for the crew compliment MUST be on line 27
- B. First Name – Required
- C. Gender – Required, use drop down
- D. Supervisor/FCC (Y/N) – Required, use drop down
- E. Storm Role – Required – Must use drop down, can not be filled in. It is necessary to use one of the established roles as close to the job description of the employee.

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 78 of 86 Version 1.3 – 07/18/11

- F. Cell Number – only required for Supervisor or the contact for the entire team. This will be the number that will be called to advise team about lodging arrangements.
- G. Require Lodging – Required, use drop down
- H. Vehicle ID – not required but is helpful for resource tracking
- I. Vehicle Type – Required for resource counts, use drop down

## 5. Field Damage Assessment Form



### FIELD DAMAGE ASSESSMENT FORM

Transmission

Damage Location: City/Town \_\_\_\_\_ Patrolled by: \_\_\_\_\_ Date: \_\_\_\_\_  
 Cross Street \_\_\_\_\_ Tel: \_\_\_\_\_ Time: \_\_\_\_\_  
 Pole/Structure # \_\_\_\_\_  
 Line # \_\_\_\_\_

Date & Time Field Operations Notified: \_\_\_\_\_  
 Area (NE-N/S, NY-EC/W): \_\_\_\_\_  
 Patrol Type: \_\_\_\_\_  
 Patrol Start Date & Time: \_\_\_\_\_  
 Foot Patrol or Helicopter Crew Assigned: \_\_\_\_\_

#### TRANSMISSION

Line Out \_\_\_\_\_  
 Type of Incident - Circle One: LIO T/R Tree Contact Other: \_\_\_\_\_  
 Cause - Circle One: Wind Storm Lightning Ice Tree \_\_\_\_\_  
 Pole(s) / Structure(s) Down \_\_\_\_\_ Damage Reported: \_\_\_\_\_  
 Spans Down \_\_\_\_\_  
 Phase(s) Down \_\_\_\_\_ Stations & Generation Co's Affected: \_\_\_\_\_

TREE DAMAGE	TRAVEL CONDITIONS	REPAIR INFORMATION
Extensive <input type="checkbox"/>	Roads Inpassable <input type="checkbox"/>	Repair Crew (supervisor, no of men/equipment) _____
Moderate <input type="checkbox"/>	Difficult Conditions <input type="checkbox"/>	_____
Scattered <input type="checkbox"/>	Passable <input type="checkbox"/>	Started Date & Time: _____
None <input type="checkbox"/>	Good <input type="checkbox"/>	Estimate Complete Date/Time: _____
		Actual Complete Date/Time: _____
		Follow-up required: _____
		Description of follow-up: _____

#### RESOURCE NEEDS

CREWS	EQUIPMENT
Sub. _____ (Requested)	Buckets _____
Trans. _____ (Requested)	Diggers _____
Tree _____ (Requested)	Other _____

#### COMMENTS

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 79 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

## APPENDIX H: Addendum

### Lines by Division

#### Western

345 kV  
HOMER CITY – STOLLE RD #37

230 kV  
NIAGARA – PACKARD #61  
NIAGARA – PACKARD #62  
DUNKIRK – SOUTH RIPLEY #68  
SOUTH RIPLEY – ERIE EAST #69  
HUNTLEY – ELM STREET #70  
ELM STREET – GARDENVILLE #71  
ELM STREET – GARDENVILLE #72  
GARDENVILLE – DUNKIRK #73  
GARDENVILLE – DUNKIRK #74  
BECK – PACKARD #76  
PACKARD – HUNTLEY #77  
PACKARD – HUNTLEY #78  
HUNTLEY – GARDENVILLE #79  
HUNTLEY – GARDENVILLE #80

115 kV  
MORTIMER – HOOK RD #1  
MORTIMER – ELBRIDGE #2  
SLEIGHT RD – AUBURN #3  
PANNELL – GENEVA #4  
HOOK RD – ELBRIDGE #7  
QUAKER RD – SLEIGHT RD #13  
MORTIMER – QUAKER RD #23  
MORTIMER – PANNELL RD #24  
MORTIMER – PANNELL RD #25  
HUNTLEY – LOCKPORT #36  
HUNTLEY – LOCKPORT #37  
HUNTLEY – GARDENVILLE #38  
HUNTLEY – GARDENVILLE #39  
KENSINGTON – GARDENVILLE #44  
KENSINGTON – GARDENVILLE #45  
HUNTLEY – PRAXAIR #46  
HUNTLEY – PRAXAIR #47  
GARDENVILLE – DEPEW #54  
GARDENVILLE – SENECA #81  
GARDENVILLE – SENECA #82  
LOCKPORT – HINMAN #100  
NIAGARA – LOCKPORT #101

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 80 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

NIAGARA – LOCKPORT #102  
 MOUNTAIN – LOCKPORT #103  
 MOUNTAIN – LOCKPORT #104  
 LOCKPORT – BATAVIA #107  
 LOCKPORT – BATAVIA #108  
 MORTIMER – GOLAH #110  
 LOCKPORT – MORTIMER #111  
 LOCKPORT – BATAVIA #112  
 LOCKPORT – MORTIMER #113  
 LOCKPORT – MORTIMER #114  
 GOLAH – N. LAKEVILLE #116  
 BATAVIA – S.E. BATAVIA #117  
 S.E. BATAVIA – GOLAH #119  
 NIAGARA – MOUNTAIN #120  
 NIAGARA – MOUNTAIN #121  
 NIAGARA – MOUNTAIN #122  
 PACKARD – HUNTLEY #129  
 PACKARD – HUNTLEY #130  
 WALCK RD – HUNTLEY #133  
 GARDENVILLE – DUNKIRK #141  
 GARDENVILLE – DUNKIRK #142  
 GARDENVILLE – RIDGE #145  
 GARDENVILLE – RIDGE #146  
 GARDENVILLE – BETHLEHEM #149  
 GARDENVILLE – BETHLEHEM #150  
 GARDENVILLE – ARCADE #151  
 GARDENVILLE – HOMER HL #152  
 FALCONER – HOMER HILL #153  
 FALCONER – HOMER HILL #154  
 HOMER HILL – DUGAN RD #155  
 HOMER HILL – WEST OLEAN #156  
 HOMER HILL – BENNETT #157  
 DUNKIRK – FALCONER #160  
 DUNKIRK – FALCONER #161  
 DUNKIRK – FALCONER #162  
 ARCADE – HOMER HILL #167  
 FALCONER – WARREN #171  
 NIAGARA – GARDENVILLE #180  
 PACKARD – URBAN #181  
 PACKARD – GARDENVILLE #182  
 DUPONT – PACKARD #183  
 DUPONT – PACKARD #184  
 PACKARD – UCAR #185  
 PACKARD – UCAR #186  
 ADAMS – PACKARD #187  
 ADAMS – PACKARD #188  
 NIAGARA – PACKARD #191  
 NIAGARA – PACKARD #192  
 NIAGARA – PACKARD #193  
 NIAGARA – PACKARD #194

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	<b>PROJECT MANAGEMENT &amp; CONSTRUCTION</b>	<b>DAVID WAY</b>

nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 81 of 86 Version 1.3 – 07/18/11

NIAGARA - PACKARD #195  
NIAGARA - GIBSON #197  
NIAGARA - GIBSON #198  
MORTIMER - STA.23 & 24 #901

Central

345 kV  
CLAY - DEWITT #13  
CLAY - EDIC #1-16  
CLAY - EDIC #2-15  
DEWITT - LAFAYETTE #22  
EDIC - FRASER 24-40  
EDIC - NEW SCOTLAND #14  
FITZPATRICK - EDIC #1  
FITZPATRICK - SCRIBA #10  
INDEPENDENCE - CLAY #26  
INDEPENDENCE - SCRIBA #25  
LAFAYETTE - CKCRNY #4 (46)  
MARCY - EDIC #1-7  
MARCY - NEW SCOTLAND #18  
NMP #1 - CLAY #8  
NMP #1 - SCRIBA #9  
NMP #2 - SCRIBA #23  
OSWEGO - LAFAYETTE #17  
OSWEGO - VOLNEY #11  
OSWEGO - VOLNEY #12  
PANNELL - CLAY #1  
PANNELL - CLAY #2  
SCRIBA - VOLNEY #20  
SCRIBA - VOLNEY #21  
VOLNEY - CLAY #6  
VOLNEY - MARCY #19

230 kV  
ADIRONDACK - CHASES LAKE #13  
ADIRONDACK - PORTER #12  
CHASES LAKE - PORTER #11  
EDIC - PORTER #17  
PORTER - ROTTERDAM #30  
PORTER - ROTTERDAM #31  
ALCOA - DENNISON #12  
ALCOA - NORTH OGDENSBURG #13  
ALCOA - MEF #3  
ASH - TEALL #7  
ASH - TEALL #8  
ASH - TEMPLE #9  
AUBURN - ELBRIDGE #5  
BATTLE HILL - BALMAT #5  
B. RIVER-LIGHTHOUSE HILL #6  
B. RIVER - NORTH CARTHAGE #1

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 82 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

B. RIVER – TAYLORVILLE #2

115 kV

BOONVILLE – PORTER #1  
BOONVILLE – PORTER #2  
BOONVILLE – ROME #3  
BOONVILLE – ROME #4  
BOUNDARY – DENNISON #1  
BOUNDARY – DENNISON #2  
BROWNS FALLS-NEWTON FALLS #6  
BROWNS FALLS-TAYLORVILLE #3  
BROWNS FALLS-TAYLORVILLE #4  
CARR ST. – DEWITT #15  
CLAY – DEWITT #3  
CLAY – DEWITT #5  
CLAY – G.E. LOCKHEED #14  
CLAY – TEALL #10  
CLAY – TEALL #11  
CLAY – WOODARD #17  
COFFEEN – BL. RIVER #3  
COFFEEN – BL RIVER – LHH #5  
COFFEEN – WEST ADAMS #2  
COLTON – BATTLE HILL #7  
COLTON – BROWNS FALLS #1  
COLTON – BROWNS FALLS #2  
COLTON – MALONE #3  
COLTON – TOWNLINE #9  
CORNING – BATTLE HILL #4  
CORTLAND – CKCRNY #1(716)  
CURTIS – TEALL #13  
DENNISON – COLTON #4  
DENNISON – COLTON #5  
DEWITT – TILDEN #19  
E. OSWEGATCHIE-N. GOUVER #1  
EDIC – PORTER #10  
EDIC – PORTER #20  
ELBRIDGE – GERES LOCK #3  
ELBRIDGE – GERES LOCK #18  
ELBRIDGE – GERES LOCK #19  
ELBRIDGE – WOODARD #4  
FAIRFIELD RD – INGHAMS #3  
FENNER – CORTLAND #3  
FITZPATRICK-LIGHTHOUSE HL #3  
FORT DRUM – BLACK RIVER #9  
G.E. LOCKHEED – GERES LOCK #8  
GENEVA – ELBRIDGE #15  
GERES LOCK-ONONDAGA COGEN #12  
GERES LOCK – SOLVAY #2  
GERES LOCK – SOLVAY #14  
GERES LOCK – TILDEN #16

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 83 of 86 Version 1.3 – 07/18/11

GERES LOCK - WPS EMPIRE #11  
 HOOK RD - ELBRIDGE #7  
 INDECK - LIGHTHOUSE HILL #2  
 LAKE COLBY - LAKE PLACID #3  
 LEVITT - ROME #8  
 LIGHTHOUSE HILL - CLAY #7  
 MALONE - LAKE COLBY #5  
 MCINTYRE - COLTON #8  
 MCINTYRE - CORNING #6  
 MORTIMER - HOOK RD #1  
 MORTIMER - ELBRIDGE #2  
 NMP #1 - FITZPATRICK #4  
 NMP #2 - SCRIBA #5  
 NMP #2 - SCRIBA #6  
 N. CARTHAGE - TAYLORVILLE #8  
 N. GOUVENEUR - BATTLE HL #8  
 N. OGDENSBURG - MCINTYRE #9  
 OEF COGEN - N. OGDENSBURG #1  
 OGDENSBURG - MCINTYRE #2  
 ONEIDA - FENNER #8  
 ONEIDA - PORTER #7  
 ONEIDA - STERLING #4  
 ONEIDA - YAHNUNDASIS #6  
 OSWEGO - SOUTH OSWEGO #3  
 OSWEGO - SOUTH OSWEGO #5  
 OSWEGO - SOUTH OSWEGO #8  
 PANNELL - GENEVA #4  
 PEAT - DEWITT #7  
 PORTER - DEERFIELD #8  
 PORTER - DEERFIELD #9  
 PORTER - SCHUYLER #13  
 PORTER - TERMINAL #6  
 PORTER - VALLEY #4  
 PORTER - WATKINS #5  
 QUAKER - SLEIGHT RD #13  
 ROME - ONEIDA #1  
 SLEIGHT RD - AUBURN #3  
 S. OSWEGO - CLAY #4  
 S. OSWEGO - CURTIS #10  
 S. OSWEGO - GERES LOCK #9  
 S. OSWEGO - INDECK #6  
 S. OSWEGO - NMP #1 #1  
 S.U.N.Y. - CORTLAND #2  
 TAYLORVILLE - BOONVILLE #5  
 TAYLORVILLE - BOONVILLE #6  
 TAYLORVILLE - MOSHIER #7  
 TEALL - CARR ST #6  
 TEALL - DEWITT #4  
 TEALL - ONEIDA #2  
 TEALL - ONEIDA #5

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 84 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

Eastern

TEMPLE - DEWITT #10  
TERMINAL - SCHUYLER #7  
THOUSAND ISLANDS-COFFEEN #4  
TILDEN - CORTLAND #18  
VALLEY - FAIRFIELD RD #12  
WATKINS RD - ILION COGEN #8  
WATKINS RD - INGHAMS #2  
WILLIS - MALONE #1  
YAHNUNDASIS - CHADWICKS #1  
YAHNUNDASIS - PORTER #3

345 kV

ALPS - BERKSHIRE #393  
ATHENS - PLEASANT VALLEY #91  
EDIC - NEW SCOTLAND #14  
EMPIRE GEN - REYNOLDS #5  
GILBOA - LEEDS #3  
GILBOA - NEW SCOTLAND #1  
LEEDS - ATHENS #95  
LEEDS - HURLEY AVE #301  
LEEDS - PLEASANT VALLEY #92  
MARCY - NEW SCOTLAND #18  
NEW SCOTLAND - ALPS #2  
NEW SCOTLAND - LEEDS #93  
NEW SCOTLAND - LEEDS #94  
REYNOLDS RD - ALPS #1

230 kV

PORTER - ROTTERDAM #30  
PORTER - ROTTERDAM #31  
ROTTERDAM - BEAR SWAMP #E205

115 kV

ALBANY - GREENBUSH #1  
ALBANY - GREENBUSH #2  
ALTAMONT - NEW SCOTLAND #20  
ARSENAL - REYNOLDS RD #31  
BATTENKILL - NORTH TROY #10  
BETHLEHEM - ALBANY #18  
CESTM - MCKOWNVILLE #2  
CHURCHTOWN - PLEASANT VLY #13  
CLINTON - MARSHVILLE #12  
COASTAL TECH - GREENBUSH #16  
CURRY RD - WOLF RD #8  
FEURA BUSH - N. CATSKILL #2  
FIREHOUSE RD - N. TROY #15  
FORTS FERRY - JOHNSON RD #14  
FRONT ST - ROSA RD #11  
GE R&D - INMAN RD #20  
GREENBUSH - FEURA BUSH #17

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission	Page 85 of 86
	Emergency Restoration Plan	Version 1.3 – 07/18/11

GREENBUSH – HUDSON #15  
 GREENBUSH – SCHODACK #13  
 GREENBUSH – STEPHENTOWN #993  
 GROOMS RD – FORTS FERRY #13  
 GROOMS RD – INMAN RD #15  
 HOOSICK – BENNINGTON #6  
 HUDSON – PLEASANT VALLEY #12  
 INGHAMS – MECO #15  
 INGHAMS – E. SPRINGFIELD #7  
 INGHAMS – ST. JOHNSVILLE #6  
 INGHAMS – STONER #9  
 JOHNSON RD – MAPLEWOOD #12  
 KRUMKILL – ALBANY #7  
 LAFARGE – PLEASANT VALLEY #8  
 LONG LANE – LAFARGE #6  
 LUTHER FOREST –GLOBAL F #111  
 LUTHER FOREST –GLOBAL F #222  
 LUTHER FOREST –NO TROY #308  
 MAPLEWOOD – ARSENAL #15  
 MAPLEWOOD – MENANDS #19  
 MCKOWNVILLE – KRUMKILL #8  
 MECO – ROTTERDAM #10  
 MENANDS – REYNOLDS RD #2  
 MENANDS – RIVERSIDE #3  
 MILAN – PLEASANT VALLEY #10  
 MOHICAN – BATTENKILL #15  
 MOHICAN – BUTLER #18  
 MOHICAN – LUTHER FOREST #3  
 NEW SCOTLAND – ALBANY #8  
 NEW SCOTLAND – BETHLEHEM #4  
 NEW SCOTLAND – FEURA BUSH #3  
 NEW SCOTLAND – FEURA BUSH #9  
 NEW SCOTLAND – LONG LANE #7  
 NORTH CATSKILL – MILAN #T7  
 NORTH TROY – HOOSICK #5  
 NORTH TROY – REYNOLDS RD #16  
 NORTH TROY – WYNANTSKILL #14  
 PATROON – CESTM #6  
 QUEENSBURY – CEDAR #10  
 REYNOLDS RD – GREENBUSH #9  
 RIVERSIDE – REYNOLDS RD #4  
 RIVERSIDE – TRINITY #18  
 RIVERSIDE – TRINITY #19  
 ROSA RD – GE R&D #14  
 ROTTERDAM – ALTAMONT #17  
 ROTTERDAM – CURRY RD #11  
 ROTTERDAM – FRONT ST #16  
 ROTTERDAM – GE #14  
 ROTTERDAM – GE #15  
 ROTTERDAM – NEW SCOTLAND #13

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nationalgrid	EMERGENCY PLANNING DOCUMENT	Doc. # ESRP.04.14
	Policy: General Transmission Emergency Restoration Plan	Page 86 of 86 Version 1.3 – 07/18/11

ROTTERDAM - NEW SCOTLAND #19  
 ROTTERDAM - WOODLAWN #35  
 SCHODACK - CHURCHTOWN #14  
 SPIER - BUTLER #4  
 SPIER - MOHICAN #7  
 SPIER - QUEENSBURY #5  
 SPIER - QUEENSBURY #17  
 SPIER - ROTTERDAM #1  
 SPIER - ROTTERDAM #2  
 SPIER - WEST #9  
 ST.JOHNSTOWN-MARSHVILLE #11  
 STATE CAMP-MENANDS #15  
 STONER - ROTTERDAM #12  
 TICONDEROGA - HAGUE RD #4  
 TICONDEROGA - REPUBLIC #2  
 TICONDEROGA - WHITEHALL #3  
 TRINITY - ALBANY #5  
 TRINITY - ALBANY #9  
 VALLEY - INGHAMS #3  
 WARRENSBURG - NORTH CREEK #5  
 WARRENSBURG-SCOFIELD RD #10  
 WATKINS RD - INGHAMS #2  
 WHITEHALL - BLISSVILLE #7  
 WHITEHALL - CEDAR #6  
 WHITEHALL - MOHICAN #13  
 WOLF RD - MENANDS #10  
 WOODLAWN - STATE CAMPUS #12  
 WYNANTSKILL-REYNOLDS RD #13

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Division 1-2

Request:

Provide a complete organization chart of National Grid's US Electricity operations with descriptions of each department, group, or division's area of responsibility. The chart should include all necessary contact information for department head or higher personnel.

Response:

See Attachment 1- DIV 1-2 through Attachment 5 – DIV 1-2. Because Attachment 1 – DIV 1-2 contains confidential contact information of individuals integral to the Company's US Electricity operations, the Company is submitting redacted copies of Attachment 1 – DIV 1-2, subject to a motion for confidential treatment.

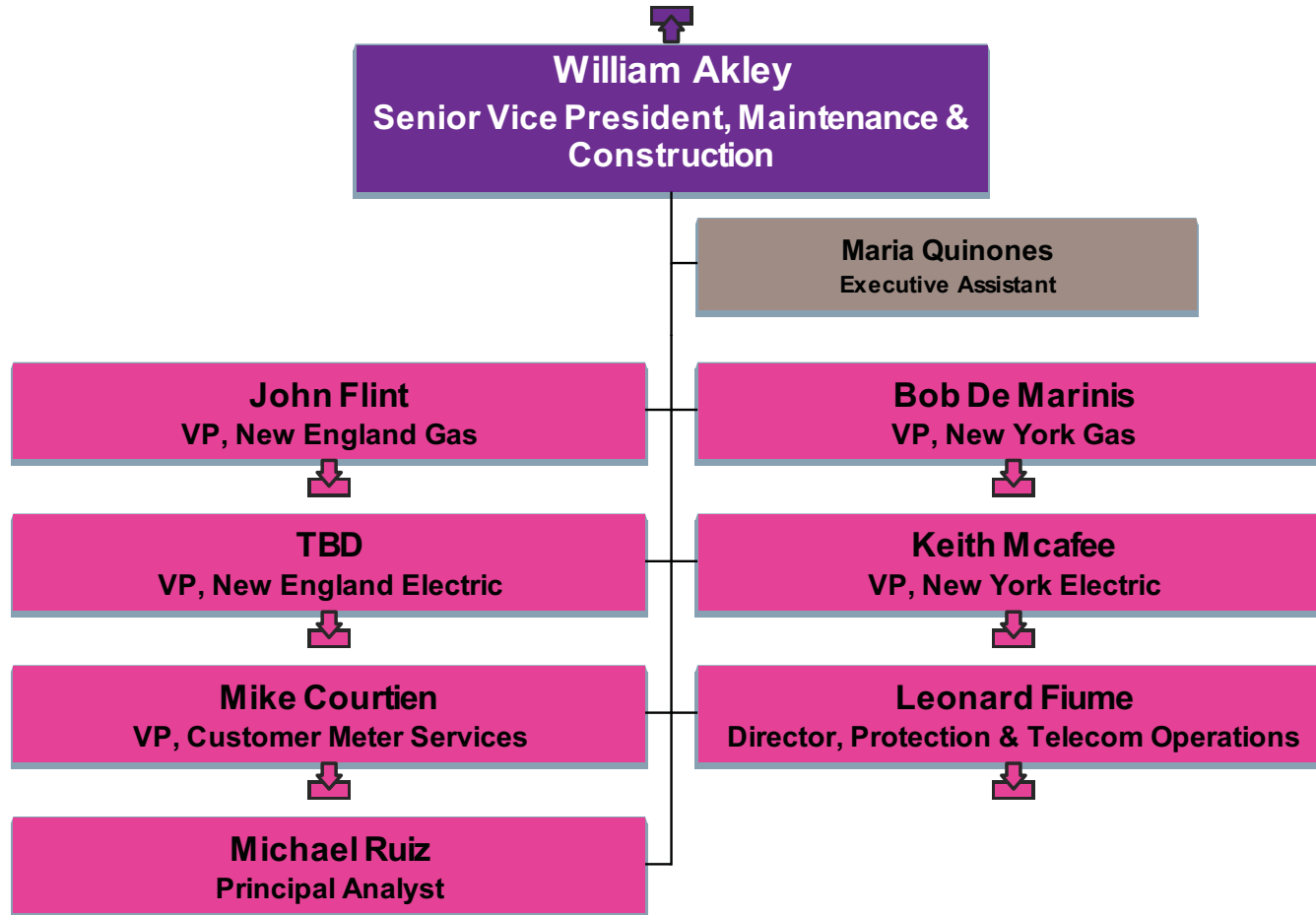
Prepared by or under the supervision of: Robert Schneller

## Operations Contact Information

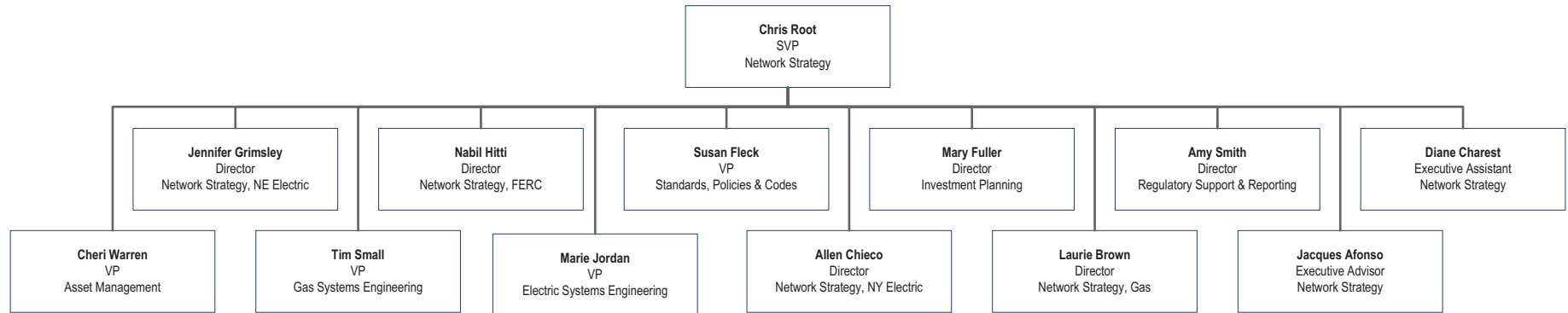
Last Name, First NAME	Job Title	Location	Function	Sub Function	Location City	Location State	Work Phone	Email
Smith, Ellen S	EVP Chief Operations Officer	Reservoir Woods	Ops Executive	COO Elec Distr Exec	Waltham	MA		
Berger, Mary Beth	Executive Asst to COO	Reservoir Woods	Ops Executive	COO Elec Distr Exec	Waltham	MA		
Spink, John W	VP Control Center Operations	Henry Clay Blvd (H)	Control Center	C Dispatch & Control	Liverpool	NY		
Christian, Jacqueline R	Director	Reservoir Woods	Emergency Plan	Emerg Planning PMO	Waltham	MA		
Way, David C	VP Project Management	Reservoir Woods	Proj Mgmt & Cor	PMC Executive	Waltham	MA		
Proudman, Neil	VP Operations Support	Reservoir Woods	Operations Supp	Ops Support Executive	Waltham	MA		
Flint, John K	VP, Maint & Constr NE Gas	Reservoir Woods	Maint & Constr	Maint & Constr Gas NE	Waltham	MA		
Mcafee, Keith P	VP Maint & Constr NY Elec	Erie Boulevard, NY	Maint & Constr	Ops & Maint	Syracuse	NY		
Fiume, Leonard J	Director	Reservoir Woods	Maint & Constr	Protection NE	Waltham	MA		
Root, C E	SVP Network Strategy	Reservoir Woods	Network Strateg	Network Strategy Mgm	Waltham	MA		
Afonso, Jacques R	Sr Engineer	Reservoir Woods	Network Strateg	Network Strategy Mgm	Waltham	MA		
Brown, Laurie T	Director	Syracuse - NGSrvC	Network Strateg	Network Strategy Gas	Syracuse	NY		
Charest, Diane J	Executive Asst to Band A	Reservoir Woods	Network Strateg	Network Strategy Mgm	Waltham	MA		
Chieco, Allen C	Director	Albany - NGSrvCo	Network Strateg	Network Strategy Elect	Albany	NY		
Grimsley, Jennifer L	Director	Reservoir Woods	Network Strateg	Network Strategy Elect	Waltham	MA		
Hitti, Nabil E	VP Trans Network Oper	Reservoir Woods	Network Strateg	Network Strategy FER	Waltham	MA		
Fuller, Mary C	Director	Reservoir Woods	Investment Plan	Investment Mgmt	Waltham	MA		
Jordan, Marie E	VP Electric System Engineering	Buffalo Kensington	Electric Systems	Engineering	Buffalo	NY		
Warren, Cheryl A	VP Asset Management	Reservoir Woods	Asset Managem	Asset Strat & Policy	Waltham	MA		
Angalakudati, Mallikarjun	Acting VP	Reservoir Woods	Operations Performance		Waltham	MA		
Su, F kret	Director	Reservoir Woods	LNG Operations		Waltham	MA		
Flannery, James P	Director	Hicksville	Power Plant Operations			NY		
Bennett, Thomas E	Director	Hicksville	Resource Planning	Operations		NY		
Fleck, Susan	VP, Standards, Policies & Code	Reservoir Woods	Standards, Policies & Codes	Off	Waltham	MA		
Smith, Amy S	Director	Reservoir Woods	Regulatory Support & Reporting		Waltham	MA		
Small, Timothy F	VP, Gas Systems Engineering	MetroTech Center	Gas Systems Engineering	Off		NY		
Akley, William J.	SVP Maintenance & Construction	Hicksville	Maint & Construction			NY		
Courtien, Michael P.	VP, Customer Meter Services	MetroTech Center				NY		
De Marinis, Robert A.	VP, Maintenance & Construction	Hicksville				NY		

# Maintenance & Construction

Refreshed 17-Aug-2011

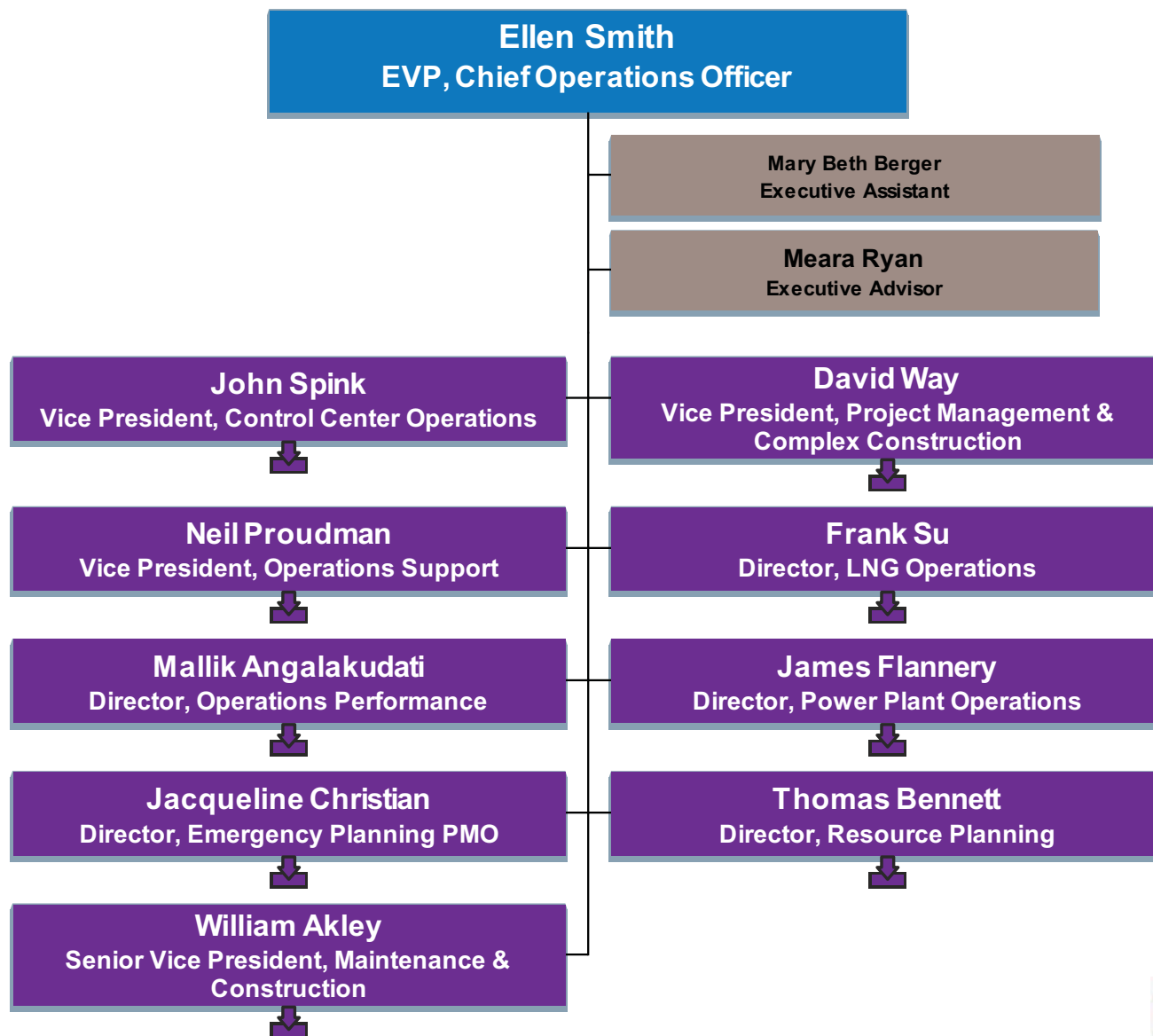


# Network Strategy



# Operations

Refreshed 17-Aug-2011



## **Operations**

The Operations organization is responsible for the day-to-day execution of asset management plans in each jurisdiction for gas, electric transmission and distribution, LNG and our power plants.

Operations does this by constructing, operating and maintaining the networks and plants safely, reliably and efficiently. The Operations organization optimizes results through resource and project management and by providing field support services in an optimized manner. We drive to instill an ongoing "welcomed by our presence" philosophy for our customers. Operations continues to lead an integrated approach to storm and emergency response and supports business resilience events.

## **US Operations Leadership**

### **Ellen Smith, Executive Vice President, Chief Operations Officer**

The Operations organization is responsible for delivering the asset management plans for gas, electric transmission and distribution, LNG and our generation power plants by constructing, operating and maintaining the networks and plants safely, reliably and efficiently. The Operations organization aims to optimize results through resource and project management and support services. And it continue to focus on customers and synergy opportunities, including end-to-end processes.

### **Jackie Christian, Director, Emergency Planning PMO**

The Emergency Planning Project Management Organization (PMO) is responsible for developing and documenting response plans for gas and electric events, including conducting drills and coordinating with governmental emergency response organizations. The team also establishes and directs US Emergency Planning policy and procedures across the company and in collaboration with our UK counterparts to ensure global alignment of organizational readiness. This team is also accountable for maintaining the US Business Resilience PMO working with the corporate, UK and US business resilience teams.

### **Tom Bennett, Director, Resource Planning**

The Resource Planning team plans, directs and implements asset management investment plans to fully achieve all budget, portfolio goals and strategic objectives. This organization provides exceptional direction and guidance to stakeholders, affording full and timely visibility of the work plan, as well as progress against it. The team facilitates budgetary, resource and asset decisions to optimize the plan within each jurisdiction in accordance with asset management direction and rate plan allowances.

### **Mallik Angalakudati, Director, Operations Performance**

The Operations Performance team is fundamental in defining a structure of linked key performance indicators (KPIs) across the US business structure and achieving KPIs in



accordance with jurisdictional and company requirements. This team also includes a quality assurance/quality control function for field work and a Program Management Office for Lean Six Sigma to support US operations and functions.

**Dave Way, Vice President, Project Management and Complex Construction**

The Project Management team provides leadership and clear direction for the delivery of all assigned work on time, per asset and resource management requirements and on budget. They accomplish this by following and using industry recognized project management processes and techniques and anticipating all project level requirements. The project management process supports operating to the highest standards of process and occupational safety, health, environmental, security and quality. The Project Management organization continues to focus on being a "good neighbor" during project planning and project implementation through timely communications and addressing all concerns with stakeholders.

**John Spink, Vice President, Control Center Operations**

Control Center Operations ensures the reliability and security of electric and gas supply to customers. The team safely and reliably operates and manages the electric transmission, electric distribution and gas networks. This organization also includes the Sandy Pond HVDC operations. In accordance with all regulatory and industry requirements, the team provides real time control, problem detection and correction, and manages the routine and emergency switching and control requirements of field-based staff. They work closely with the Project Management organization to ensure optimized outage plans to support the work to modernize the network. This team focuses on process safety and having alert, well-trained operators. They continue to participate in industry initiatives on physical and cyber security of networks.

**Neil Proudman, Vice President, Operations Support**

The Operations Support team ensures that all service requests are managed to provide customers with the required information in order to allow them to safely and easily connect to National Grid's electric and gas networks. This organization includes US-wide responsibility for fleet, material and logistics. Additionally this team supports field operations, including time reporting. This organization will continue to provide centralized support during storm and emergency events.

**Bill Akley, Senior Vice President, Maintenance & Construction**

This team is responsible for maintenance and simple construction activities for gas and electric operations. Maintenance & Construction manages the resources required to execute work plans and deliver cost-effective customer electric and gas meter services, construction, maintenance, repair, replacement programs and all emergency response/restoration. This team is focused on KPIs for each jurisdiction in accordance with the current rate plan and business requirements.

As part of the Operations organization, Maintenance & Construction spans all Maintenance & Construction activities for gas and electric, transmission and distribution in the US jurisdictions. As a delivery organization, Maintenance & Construction focuses on safety and reliability, employees and customers, finances, and workload obligations. It continues to develop and support synergies between the commodities, manage resources needed to execute work, and deliver cost-effective operations across a large, diverse workforce.

**Kathy Lyford, Vice President, New England Electric**

**Keith McAfee, Vice President, New York Electric**

**Michael Courtien, Vice President, Customer Meter Services (CMS)**

The CMS organization is responsible for gas and electric metering — installation, meter reading and collections — as well as providing critical first response to emergencies. Dispatch and Scheduling is also part of this organization. CMS continues to be a fully integrated function that serves both gas and electric, and the team continues to deliver efficiencies and improve the customer experience for both commodities.

**Len Fiume, Director, Protection & Telecom Operations (PTO)**

The Protection and Telecom Operations group is a highly technical group that manages and protects the network and telecom infrastructure. Focused mostly on the electric business, PTO constructs, maintains and inspects all systems that support electric operations such as data information flow, switches and relays, and more. Whenever we add infrastructure or reconstruct lines, PTO is there to ensure compliance with safety and work standards in our facilities, and maintain a safe environment for employees, customers and the public.

## **US Network Strategy**

**Chris Root, Senior Vice President, Network Strategy**

Network Strategy manages and designs US assets critical in determining jurisdictional strategy, revenue requirements and operational delivery. This function looks to find synergies

across gas, electric, transmission and distribution operations in all our service areas – ensuring that the US investment plan aligns with regulatory priorities.

**Cheri Warren, Vice President, Asset Management**

Asset Management develops and delivers policies, procedures and work plans that manage the lifecycle of company assets. Working within strategic guidelines, Asset Management provides guidelines to support and develop capital and maintenance plans for electric transmission and distribution, gas operations, and electric and gas engineering. This group also leads the charge for asset replacement, electric reliability and system performance. Asset Management partners closely with the Customer organization to deliver the technical requirements for SmartGrid. This function ensures that the appropriate tools and work plans are available to deliver safe, reliable energy services to our customers.

**Marie Jordan, Vice President, Electric Systems Engineering**

System Engineering provides engineering, design and resource management services for gas and electric systems. System Engineering works closely with Investment Planning and Distribution Planning to drive projects that connect and support new customers while maintaining safety and delivery standards.

**Sue Fleck, Vice President, Standards, Policies & Codes**

Standards, Policies & Codes delivers engineering policies and standards that are commercially sound, embrace best practice, and meet engineering, safety and regulatory requirements. Internally, Standards, Policies & Codes provides technical standards for material and construction for gas and electric, and develops work methods for the construction and maintenance of the gas and electric systems. This team communicates new and changed codes and standards to the workforce and regulators, and manages the gas quality laboratory.

**Mary Fuller, Director, Investment Planning**

Investment Planning is critical to optimizing cost, performance and asset risk. Investment Planning develops the strategy and five- and ten-year work plans for all gas and electric systems within a consolidated investment planning and common prioritization process. Investment Planning is responsible for short-term strategy that enables long-term success.

**Amy Smith, Director, Regulatory Support & Reporting**

Regulatory Support & Reporting is a new role developed to act as the technical reporting office for each National Grid US operating company. A strong regulatory relationship enables Regulatory Support & Reporting to support gas and electric rate cases in the various jurisdictions, and provides technical reports for regulatory agencies. Internally, this group oversees FERC compliance and supports Network Strategy.

**Laurie Brown, Director, Network Strategy, Gas**

**Al Chieco, Director, Network Strategy, New York Electric**

**Jennifer Grimsley, Director, Network Strategy, New England Electric**

**Nabil Hitti, Director, Network Strategy, FERC**

Focused on jurisdictions and commodities, four Directors of Network Strategy work closely with the jurisdictional teams to ensure understanding of local network issues in their respective service areas. These directors have strong relationships with jurisdictional presidents, act as regulatory liaisons and may testify at rate cases on all Network Strategy issues.

Division 1-3

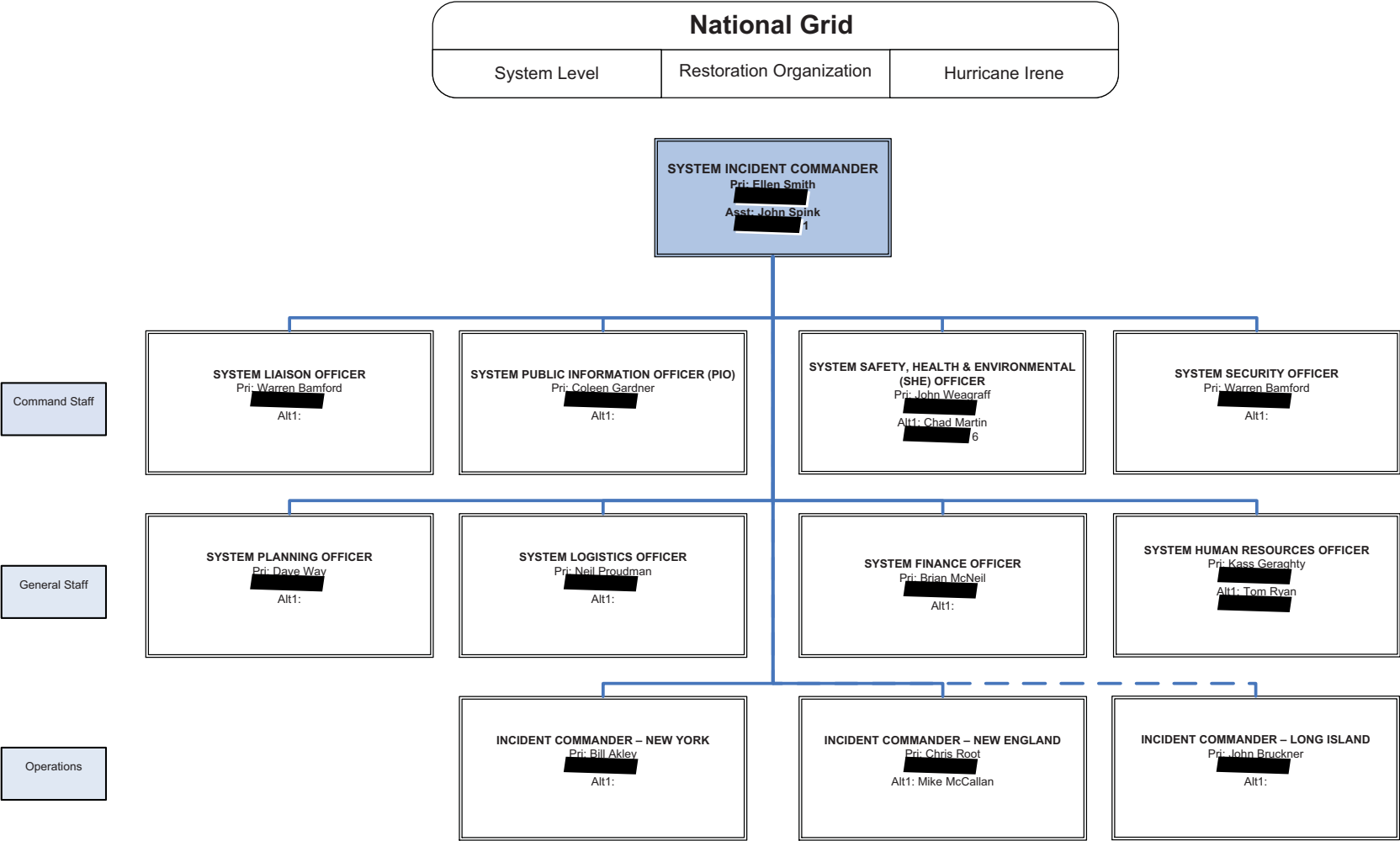
Request:

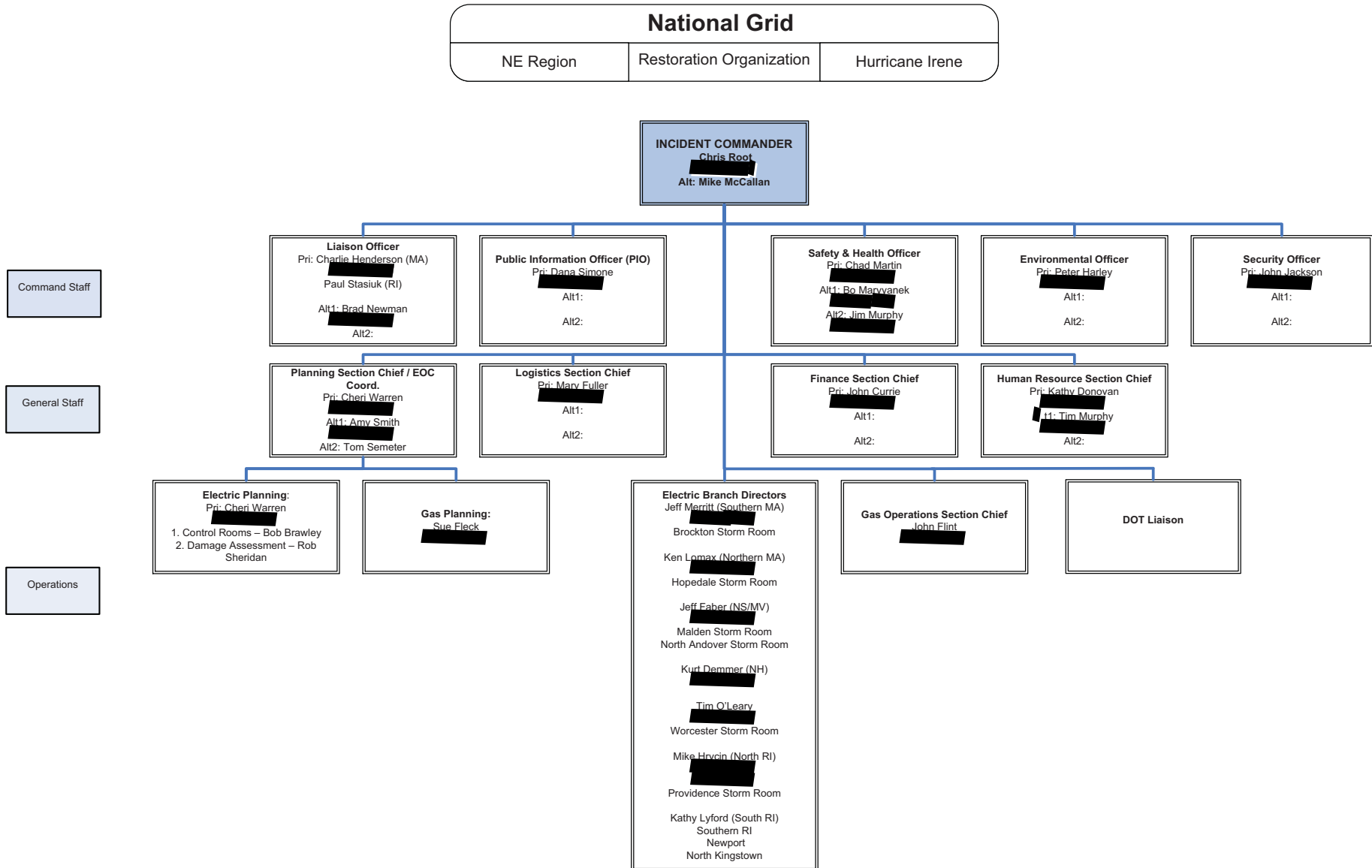
Provide an organizational chart with the names of all National Grid personnel responsible for all preplanning, organization, and restoration associated with the Hurricane Irene emergency response. Include the title and role served for personnel in the Strategic, Tactical, or Operational Level.

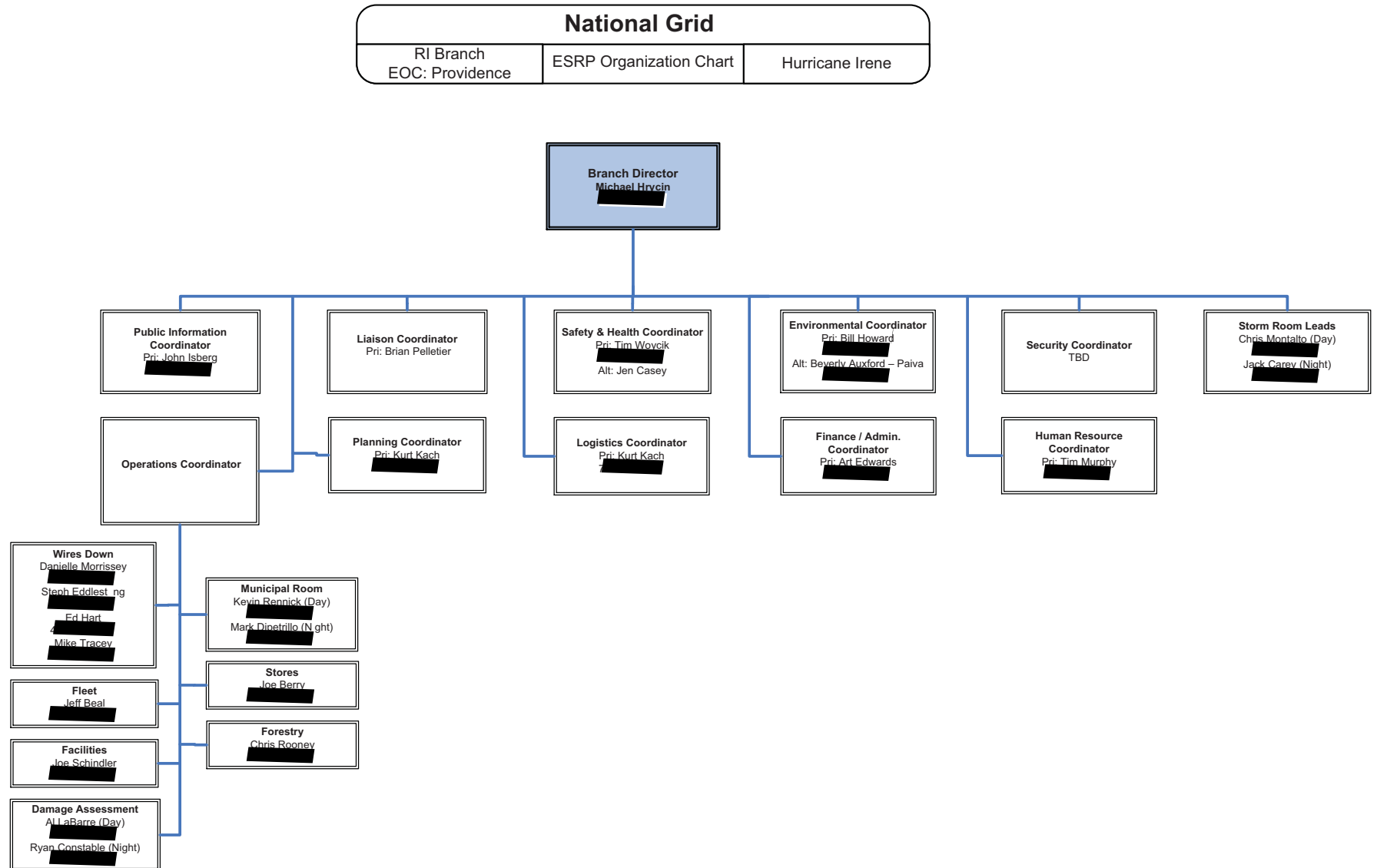
Response:

The SRT was not activated for Tropical Storm Irene. The Tactical and Operational organizational charts are attached as Attachment DIV 1-3. Because these organizational charts contain confidential contact information of individuals integral to the implementation of the Company's Electric Emergency Plan, the Company is submitting redacted copies of the organizational charts in Attachment DIV 1-3, subject to a motion for confidential treatment.

Prepared by or under the supervision of: Robert Schneller

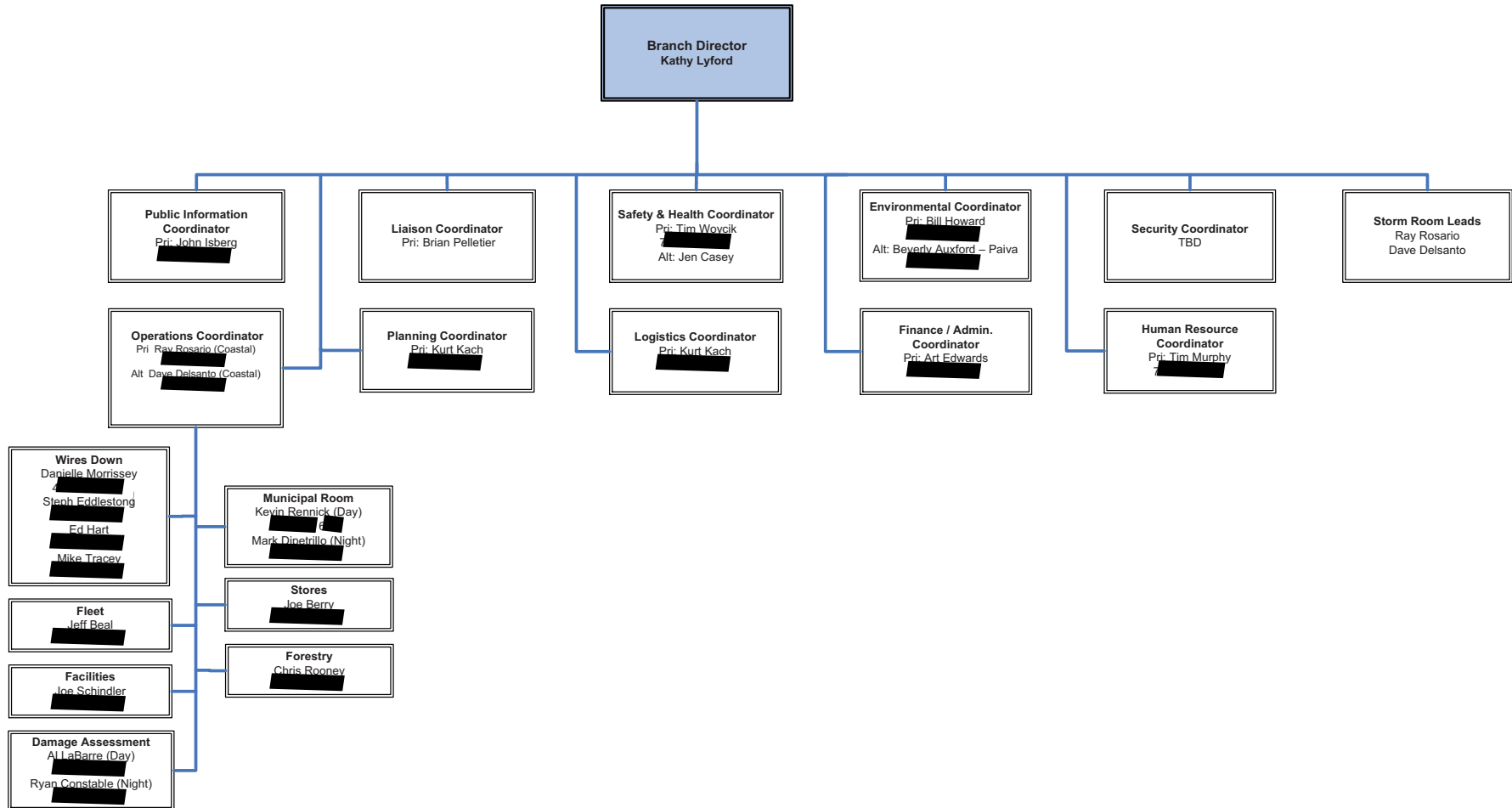








National Grid		
RI Branch EOC: Southern RI	ESRP Organization Chart	Hurricane Irene



Division 1-4

Request:

For all meetings in the Incident Anticipation Phase through the Post Incident Phase provide all relevant meeting information. Include any meetings of SRT (Strategic Response Team), TRT (Tactical Response Team), incident commanders, and branch directors.

Response:

Please see Attachment DIV 1-4 for the Company's regional storm call notes. Because this attachment contains critical utility infrastructure information, the Company is providing a redacted copy of the document, subject to a motion for confidential treatment.

Prepared by or under the supervision of: Kathy A. Lyford

8/26 8:30am - 2 day checklist

Level 5 - ICS (MA) - RI - no formal level  
- call this afternoon - go over walk thru

Muni Rooms - Worcester + N. Andover

↳ covers Malden

- if need more ppl - there are some avail.

- storm card levels

~ 25%<sup>crews</sup> Sat night 10p - 2p (Sun)

remainder 6a (UG + Subs also)

disp. by  
storm rooms  
↓

↳ send some home @ 2 to  
get shifts going

- Contractor crews - 323 ctr crews → Sat ~~10:00pm~~ (most)  
★ - need crew counts → Cheri

Fort Devens - new staging area - Charlie H.  
to get confirm (by 9:15)

1600 - Raynham

120 ~~80~~ - Sturbridge (Ft. Devens) -

40 ~~80~~ - Rockingham

- also looking into Best Western Marlboro

- storm kits need → go to staging sites  
(Dan on the phone)

10 crews → Middletown/Newport

Possibly - another 300 ctr Wed (we have 1st  
right of refusal)

VT  
25 thiro tran / 25 Comerford / 5.7 Bemis - VT

75N & NE / N NE - tran & 11:30

Tree - 300 outside arriving Sat.

Worc / N And / Prov / Hope

- lodged - vehicles w/ them

130 local - Sat @ 12 pm? start coming

remainder - team (no forestry storm room)

Wires down - monitoring storm calls  
 team Sun morning

Sun morning - some time hopefully

- can we get a link for PORD training  
 for Sun morning

6 superusers for PORD in ea. storm area

↳ from Preston Large

★ ↳ ~~we~~ send names → group

- need → know when we are getting backed  
 up w/ wires down early

Rob S. - damage assessment - would rather  
 call wires down than stay

NH - Lebanon storm room + wires down  
 - waiting on resource request  
 ↳ need to follow up offline

- Kurt: will IT be around in ea. storm room

Dispatch - running PORD training  
 Keeping NH and West. for now  
 (Leb)

Nantucket - Jim Buckton

for  
 calls

★ - Will Houston, Marc Anderson, Phil Lavallee



Vehicles - Rob requested. waiting on that  
Jeff Beal

2 maps/records techs @ ea. location

restaurants/lodging

- ↳ open some on Sun.
- box lunches - for Monday possibly
- Danielle → generate a list
- Corp audit - for meals/rest. - rest R.

Staging sites - (Pat Burns)

Raynham, Rockingham, Old Sturb, Marl  
Ft Devens

Storm Stock - all facilities will be topped off

Fueling - need → make sure restk. are lifted

\*need → keep track of assets used → confirming

support for supervisors in the field

(could use damage appraisals)  
↳ requesting #

Kevin Malloy - checking storm rooms - fixed  
a few issues

Storm room opes - 6 am Sun

Venzon ppl - Ted Lombardi - in mult locations

Gas - maybe many flooding issues - then  
we can use them

\* - need to make sure we know gas counterparts

- We have Ft. Devens

- We need guidelines on when ppl can work - Chad Martin/Sue Fleck (wind speeds)

e-room open - ?

3:30 next call

Substation construction - Ellen Poyant  
ETRs - <sup>1st thing</sup> ~~Ham~~ Sun mrm, shut off

**Division Storm Call – Hurricane Irene  
August 27, 2011 11:00 am**

Safety Message – Prepare your homes for the hurricane

Weather – Sustained 70mph winds in all locations – RI, central/East MA into NH, significant tree damage. ½ foot of rain possible. Coastline – storm surge, keeping track of high tide, flood warnings. Bridges will be closing – cape, Newport, Jamestown etc. Not sure if tunnels will be closed in the city (Charlie Henderson @ MEMA).

Gas – John Flint – Emergency operating center headquarters in Nboro, and other centers in RI, NH, Leominster, Webster, Boston, North Shore

- EOC in Northboro will have representation from Gas engineering
- Records/Personnel coordinators in each of the centers reporting to Northboro
- Primary concerns outages and flooding (Nahant, Marlbehead, Aquidneck)
- Low lying areas identified by gas engineering will be visited first after the storm
- I&R in touch with gas control, shut down some stations that have no effect on customers
- Damage prevention group has been increased – expecting a lot of work
- Opening up centers at 7am on Sunday morning – Sue Fleck, contact in e-room
- Gas crew will be in Nahant tomorrow
- Sending gas contacts to Lindsay Sharon to add to contact list

Relay and Telecom

- Concern – communication concerns with cell phones, limited alternative communications – no radios for gas.
- Gas have to utilize distribution radios if cell phone systems go down
- Contingency plan – concerned w/ North Shore system – but have new system up and running
- Gas side – can give them handhelds and some mobile radios that can be installed temporarily (have about 150 handhelds)
- Satellite phone in Northboro
- Kevin Malloy – get a Verizon wireless contact – we could move them up on the priority list if they lose power to get the phone systems back up

Transmission Control room

- everything is back, Millbury bus outage is back, G33 scheduled to go back today at 1500
- ISO planning to lose 25% NE wide, have planned to have units on the coast, waiting to hear status on Nuclear units – whether or not they will come off line

Distribution Control room

- all staffing is completed, planned on taking overflow calls from decentralized storm rooms – have to test that this afternoon
- Brian Schuster’s people coming in to answer police and fire calls
- Big focus on priority 2 and 3 police and fire and emergency personnel standby

- Will have to take a lot of PRT's early on through most of the storm
- Can't have long waits for switching orders
- Dispatch keeping W. MA, extra people dedicated for dispatching and wires down
- Dispatch is keeping switching for everywhere except localized areas where there will be PRT's
- Would we be able to open in W. MA if we closed another room? – we would need people in W. MA before dispatch could transition
- Talking about a contingency plan in case we need to open a storm room in another area – Bob Brawley and Mike Gallagher and Ken Lomax

#### Wires Down

- rooms are staffed, working with Brian Schuster for more clerical support
- Sunday morning 209 appraisers (including some in Lebanon and Salem)
- 6 wires down rooms – where all storm rooms are located
- Cut and clear crews – normally assigned a definite number, will be managing closely with the local storm rooms – will have ops people in the storm rooms to help manage this
- We need to consider both wires down and restoration as one team and not separate entities – public safety issues are number 1 priorities
- MA, RI and NH have all declared states of emergency – outages do NOT count towards reliability numbers

#### Contractors

- 700+ line workers – can break in 2 man crews
- Contractors will start arriving today, some already here, some coming tomorrow morning
- Staging sites and crew breakdowns – talked with branch directors
- None working tomorrow unless emergency – start restoration Monday morning
- Transmission – 220-230 for transmission line workers – have reached out to Ellen to let her know which resources are available for service restoration and cut and clear (TLS only in that number – contract and in house)
- About 64 other substation/civil
- Raynham, Marlboro, Rockingham, Devens (not yet – if we receive more they will go there)
- Chris wants to be notified when more crews are available if they are not too far away – may need more – probably another 100, depending on mutual aid

#### Logistics

- Meals and lodging – for Saturday have had 1000 requested, secured 1500, request for 2000 rooms on Sunday secured 2400 in the vicinity of the 3 staging areas
- Making arrangements for box lunches for Monday – 750 for Marlboro 350 for Rockingham and 350 for Raynham
- Fleet – vendor contracts in place for fueling, need final list of sites and hotels which is under way
- Met all request for rental vehicles – including 3 amphibious vehicles, 80 for damage assessment and specialty vehicle in Providence



- Amphibious vehicles assigned to Fred Raymond's group – work through Fred's people in the Transmission e-room if we need people trained to operate these vehicles
- No concerns at the time with fueling – contacts and vendors are all in place, everything was topped off in the local locations
- Fuel issues on Nantucket have been addressed

#### Stores

- complete topping off all National Grid crew sites with storm materials, will receive and put away orders to Sutton, prepare to deploy materials to the staging sites
- on the road today
- Storm kit at Westerly high in case office is flooded
- Brockton, Middleton, Monson Northhampton, Leominster, Salem, Lebanon, Malden, Beverly, Hanover, Worcester, North Kingston, Somerset etc – coordinating today
- Tomorrow morning planning for 20 storm kits 4 environment kits 20 construction kits
- Sunday afternoon evening 20 storm, 10 yard kits more
- Monday – deploying yard kit, environmental kit, containment tray, cones, transformers (need guidance from eroom) pallatte of water bottles, poles/crossarms and traffic cones
- Storm room will put an email together to let them know what transformer voltages are in each area

#### Operations - RI

- bringing crews in tonight with additional t-men (about 25%) and double up t-men
- Utilizing t-men in the first portion for cut and clear, remaining OH, UG, Sub reporting at 6am – full contingent until 2 then we'll go on shift/rest rotation
- Storm room in Providence checked yesterday
- Westerly vehicles being moved to the high school
- Safety will send out guidelines on when to fly buckets during the storm – rated up to 40mph anything over we will not be going up – will also be discussed tomorrow – will also be announced over the radio – include storm room leads in the discussion
- Discussion with supervisors about storm surges – Warren substation, Howard Substation, Westerly yard, looks like it may be significant – will monitor these areas
- Substation on pagers on Sunday night – 24 hour rotation starting tomorrow morning
- Will assess low lying substation ASAP

#### Operations – Brockton/Hopedale

- same shifts as RI
- set up t-men in small crews for Wires Down
- Focusing on communication between storm rooms and wires down

- Met with Brockton/Pembroke fire chiefs – Joe Carroll set up conf call with other chiefs in the area – to give them a comfort level for the storm
- Sunday – priority calls in Scituate – plan is take a couple crews and put them in that area before the storm (so they don't have to get there from Hanover)
- Quincy area flooding – has not been an issue in the past, we will keep an eye on it – back up plan – vacant lot in Weymouth and Gas in Braintree

#### Operations – Worcester/West/N. Andover/N. Shore

- same shifts
- last minute to fill critical ops management shifts (w/ help of retirees) – resolved
- working through same coastline issues as above – Nahant, Winthrop, Cape Ann, Newburyport
- Close eye on contractor allocations
- Keeping an eye on Western MA – have some contingency plans to break the area off to another director
- Lebanon running locally, we will keep in contact with them
- Working on a contingency plan for Marie to run Worcester/West

#### Tree crews

- 132 local 262 contractor
- Coming in tomorrow morning – about 20% working overnight tonight at 10 to start shifts
- Staff will be in at 6 am tomorrow morning
- Prep today – working with lodging
- Lodged in Providence, Hopedale, N. Andover and Worcester
- Tomorrow, orientation for all crews
- Local crews will be working tomorrow as needed

#### Storm Rooms

- all set, staffing plans are complete
- conversation about contingency plan will take place today to move a storm room
- About 110 people assigned to storm rooms

#### Damage Assessment

- forms and envelopes have been delivered.
- Vehicles have been confirmed
- Apprx 200 single person contractor crews 50 internal damage assessment teams, about 80 people supporting inside

#### Muni rooms

- rooms are staffed and ready to go
- customers were contacted yesterday, critical facilities, large commercial, jurisdictional
- will open Brockton, Hopedale, Worcester, North Andover (covering NH), Providence

Nboro E-Room

- will open at 10 pm tonight
- Next Call – tomorrow morning at 9 am  
Storm is a level 4

Dinner will be provided to local crews tomorrow night – bring into the buildings  
- restaurants open for breakfast lunch and dinner tomorrow night

May need box lunches for local crews on Monday

Emergency generator issue for G. Barrington was resolved

For any unusual procurement request, please reach out to Art Curran.

**Regional Storm Call – Hurricane Irene**  
**August 28, 2011**  
**9:00 AM**

**Chris Root** Update on the current weather conditions. 86,000 customers out at this time – with the majority of those in Rhode Island. We anticipate that the numbers will continue to rise.

**Safety Message – Chad Martin – Wind Safety**

**Gas – John Flint**

The Gas Control room is set-up in Northborough. Had check-in call at 8:00 AM with EOC info centers this morning. Gas Crews are in place. No real issues to report as yet. Number of Gas Crews: Will get number from Amy Smith. A list of Gas Supervisors and Gas Crews will be given to Chris ASAP. Gas related outages will be reported as well.

**Control Centers**

**Transmission – Will Houston**

Q10 to Robinson – 4 13kV  
W23 69 kV locked out  
F84

ISO – call scheduled at 10:00 AM today  
NU has 70,000 + customers out at this point in time

**Distribution – Mike Gallagher**

100,000+ customers without service at moment  
There are at least 25 Distribution feeder lock-outs. We need a good running list of feeder outages from Mike McCallan.  
We are shifting control center resources to do more Wires Down calls. In some areas crews aren't doing line work due to high winds. There has been some trouble with phone lines – we are getting them corrected. Call volume is the issue at the moment.  
We've been trying to do what we can – wind is the issue.  
Priority calls: 4 priority 1 calls have come in, priority 2 & 3 calls also coming in.  
Jeff Merritt is looking for additional resources - concerned that there is only one person to clear the priority calls in Hopedale.  
Four folks doing the overflow of priority calls in Northborough right now.

**Wires Down – Ellen Poyant**

Working with local storm rooms and dispatching wire down calls as appropriate.  
Providing ETA's to public safety officials.  
Mike Hrycin – all line crews are being assigned through the Wires Down room.  
Mike McCallan & 4 area directors are working with Ellen Poyant and Bob Brawley - will coordinate off-line to assign crews to the Wires Down group.  
Actively dealing with 911 calls.  
If more administrative help is necessary – let us know – we have folks in reserve.

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

9:00 AM - 70,000 customers without service - mostly in RI  
Wind Gusts @ 65-67 mph range, 60 mph in Providence. Local reports indicate 2 to 3 more hours of heavy winds.  
Assisting with 911 calls for public safety right now. Safety briefs went well this morning. Fused cut-outs and disconnects will be done for public safety.  
Assisting with Wires Down and Storm Rooms.  
Getting a lot of Municipal calls and dealing with them.

**John Isberg – Rhode Island**

Working with Mike Hrycin  
Assigning folks to critical customers.  
Mike Hrycin will work with John Isberg on the priority customers.  
Bridges are not closed as yet since the wind hasn't reach 74 mph.

**Jeff Merritt – Brockton/Hopedale**

Customer outages increasing – 10,000+  
Wires Down stand by and cut/clear personnel reported to 22 Fire Stations  
Keeping sharp eye with Fire and Police  
The 8:00 AM District Call went well. Concerns are being worked on (i.e. meals for the buildings, etc.) Reached out to Contractors Group.  
Crew counts and outage counts are being worked on and coordinated with Kurt & Lindsay (numbers being sent from Kathy Clancy)  
Wind dying down at times – and using that time to restore/cut & clear when we can.  
No flooding issues yet.  
Had Fire Chiefs call yesterday. They are happy with our approach. We are making our best effort.

**Joe Carroll - Brockton**

Made some outreach calls first thing this AM. Will provide periodic updates throughout the day.

No issues in the Muni Room right now.

Keeping John Flint informed on the Gas side.

**Ken Lomax – Merrimack Valley**

Paul Brochu speaking for Ken on North Shore update.

North shore doing okay. 13 customers out.

No winds as yet.

Did good briefs this morning.

Crew standing by at Fire Station in Nahant.

Everything in order and we are waiting.

Functions operating – 5,000 customers out at the moment.

7:00 AM transitioned from Northborough storm room dispatching to North Andover.

Trouble with the building generation transfer but that is corrected now.

Everything in place

Winds at 35-40 mph at this time.

**Dave Gendall – Muni Rooms (Merrimack Valley, NH. and North Shore)**

Municipal Rooms open in Worcester and North Andover.

Worked around the power failure in the rooms and it's okay now.

Large customers are being talked to. Paying close attention to Gloucester (per Chris Root).

Yesterday, Aleta reached out to the areas that were hard hit by the Tornado.

Worcester Muni Room – all going okay (taking all NH and North Andover calls as well)

**New Hampshire -Kurt Demmer**

Right now under 100 customers out in all of NH.

Wind picking up in the Salem area.

Crews in at 6:00 AM this morning.

Staging at Rockingham.

**Worcester & Western Areas – Kathy Lyford**

3,000 customers out in Worcester.

Small line recloser outage in the Western District

Heavy rain right now – waiting.

Worcester Muni Room – all going okay (taking all NH and North Andover calls as well)

**Resources – Fred Raymond**

Updating spreadsheets.

787 line workers within the NE area @ the staging sites. We had a meet and greet yesterday. We have a plan on how to get work to them.

Transmission – working with Will Houston and his team.

All resources are under cover and staying safe.

Can't put folks up in the air at this point in time with the wind speeds.

Work through Mike McCallan to get the resources (Distribution) needed for restoration efforts. Will assign as appropriate based on the wind speeds. Also work through Mike for specialty vehicles needed. Specialty vehicles are located at Melrose Street with trained folks.

Discussing another staging site in the West.

**Tree Crews – Anne Marie Moran**

Local tree crews are very busy.

NE North being dispatched from here in Worcester.

Lincoln is flat right now. Mike Hrycin will look into this.

Doing orientations with outside crews (260+) now. We will be able to shift them out when done.

**Tree Crews - Chris Rooney**

Team up with line crews and supervisors as best we can – no PORD at the moment.

Lost the server, internet connection, and on generator at Lincoln, RI.

Cannot dispatch NE South tree crews [through PORD?] due to the power outage at Lincoln.

**Cheri Warren**

Working on getting power back to the Lincoln, RI facility. Michelle from IS will tackle issue. If we have to, we will open up Storm Room in Northampton. If we pull the trigger to open – working on contingency plan to include Wires Down dispatching as well.

**Mary Fuller**

Scoping staging sites out west and in RI area.

Meals and Lodging – 720 rooms – 2,643 people bedded down yesterday.

In addition – 1600 box lunches tomorrow which we can shift around as needed.

Breakfast – lunch – dinner arranged for today.

Restaurants have been opened up in the Western part of the state.

We will send runners from restaurants to the crews.

Kathy Lyford is handling Worcester and West

Fuel is available today – we need to know who needs delivery today. Diesel Direct is on stand-by. Will top off tomorrow at Staging sites

**Stores – Dan Prior**

Proceeding to make 22 storm kits & 20 constructions kits  
Field crew sites are reassessing stock

**Government Issues - Tim Horan**

No issues at the moment. Covering the radio and TV's and filling them in on outages.  
Everyone is informed.

**Facilities – Pat Burns**

Lincoln generator is running – doesn't power much.  
Back-up control room generator running as well.  
No rain in buildings in NE as yet.  
No flooding in Westerly as yet.  
Let Chris know of any issues with the buildings.  
Little roof leak in Northborough – minor – addressing as we go.

**Northborough – Cheri Warren**

All well in Control Center.  
Reporting going okay.  
Carol Sedewitz is there to assist with reporting.  
The Storm is categorized as Level 4 at the moment. Talk to Chris about changing that level if necessary.  
Jen Grimsley working on list of everything that needs to be done.  
Keep Chris informed.

**Nabil Hitti**

We have a master list of support folks called in for storm duty and those on standby.  
There are a good number of support folks still on standby who have not been assigned yet. We will assess what we need today and will schedule for tomorrow.  
Nabil to talk to Neil Proudman to make sure all of the schedulers and work coordinators have been called in.  
Michelle Light working on getting folks over to Cumberland. If done we can get PORD back up and working quickly.

**Rob Sheridan – Damage Assessment**

We are all set with inside crews for damage assessments. They will go out tomorrow morning.  
Mapping – 3 northern storm rooms – Phase 1 assessment.  
Folks making GIS maps today.  
Western MA – RTC maps.

**Bob Brawley**

10:30 AM call to ICS local leads.

**Call Wrap-Up**



**REDACTED**

Attachment DIV 1-4 (Redacted)  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 15 of 66

180,000 customers without service (Total New England) is the latest count at this point –  
Mike McCallan.

Stay Safe Everyone – Safety First!

Chris needs to see Telnet weather forecast – Cheri to arrange.

**Next call will be @ 3:00 PM today.**

**Regional Storm Call – Hurricane Irene**  
**August 28, 2011**  
**3:00 PM**

**Safety – Chad Martin – Public Safety**

We need to keep the public out of our Wires Down areas. This is critical. Do the best we can.

**Weather Issues – Chris Root**

Winds will continue to blow – and will not die-down until 10:00-11:00 PM tonight. We are expecting other issues to arise as well. We are not out of the woods as yet. Focus on getting wires out of the roads so that we can do restorations.

**Gas – John Flint**

The gas system looks good. We have isolated problems that are no larger than 20 customers.  
Uprooted trees are causing breaks in services. Weather is an issue in Rhode Island. We have a couple of yards without power – Webster Yard / Providence-Dexter Area. We plan on continuing with incident centers until they are told not to (150-160 folks on site). We will have a full complement of folks in the morning. We will do an assessment on what is needed when tidal surges/rivers are over. Nabil is suggesting getting more folks into Damage Assessment. We are lining up training for tomorrow morning to help use Gas folks for electrical restoration (pole setting).  
Bird dogs – set-up with Mike McCallan – per Chris.  
Priority is Wires Down for the next few days – per Chris.

**Control Centers**

**Transmission – Will Houston**

8 - 115 kV lines out. We will focus on the circuits that have the greatest customer outages.  
Priority is N14 & L13 Line Clearance completed. We are headed that way to pick up customers.  
We are trying to pick up the W23, X24 circuits  
T14 – F19 – 69 kV  
Bear Swamp – 205 W is out  
Dam issue – Fife Brook for lower pond – 30,000 CFS going through now.  
Unprecedented flooding.

**Distribution – Mike Gallagher**

31 sub-transmission lines are out  
21 in RI  
5 in NE North  
Receiving 30 contractor crews – dispatching to the public safety areas.  
8 helicopter patrols available for tomorrow.  
Feeder lock-outs / 200 out in the South – 50 in the North

**Wires Down**

Mobilized contractor crews for damage assessment – 40 in Worcester, 40 in Hopedale, 10 in NH/Lebanon, waiting on #'s in Brockton.

Storm Rooms would like to be in the loop for the damage assessment and where the contractor crews are.

Additional 15 gas resources available at 6:00 PM tonight.

Big issue – #1 issue – uncovered public safety calls per Chris

Police & Fire Standing by 339 sites – 88 covered per Mike Gallagher.

Customer Order Fulfillment group answering police and fire calls.

**Divisions****Mike Hrycin – Providence, Rhode Island & Somerset, MA**

Local weather reports - we still have gusts up to 50 mph.

Now in public safety mode – crews assisting in cutting and clearing.

30 contractors doing damage assessment.

16 calls with police and fire apparatus.

No restoration efforts yet – still Wires Down assessing.

Additional outages and Wires Down calls are coming in.

Transmission issues – working with Fred Raymond.

Prioritizing feeders with Business Services for hospitals, etc.

Wind speeds too high still (per Fred Raymond) for restoration work. Just mobilization of equipment today for work tomorrow.

Still assessing all the lines – Approximately 8 hours of work to make repairs on the 13 –

14 lines – Assess needed at the Montaup Country Club.

**Jeff Merritt – Brockton/South Shore/Hopedale**

106,000 customers out

2,300 in-service calls

51 feeder lock-outs

Gusty winds above 40 mph – restoration efforts stopped – responding to the police and fire issues.

Muni Rooms reaching out to all the Fire Departments.

We expect that we will responding to 911 calls tomorrow as well.

Critical Customers = 2 Hospitals – 1 Fire Station are out – we are working on these

Gillette Stadium is out – fixing 23 kV sub-transmission line – should come back

Regular calls from the Fire Chiefs.

Tonight we are in public safety mode.

We have 40 Contractor Crews for tonight.

**Ken Lomax – Merrimack Valley/North Shore**

Impact not as significant as in Rhode Island  
30-40,000 customers out  
15-20 feeder lock-outs  
Grounded buckets in North Shore because of winds.  
Able to work in Merrimack Valley Area.  
911 calls (about 2 dozen) - we are addressing.  
25 911 calls are unassigned in North Andover.

**Municipal Rooms**

**John Isberg – Rhode Island**

15 Critical/Sensitive Customers – we have been in touch with them all.  
4 hospitals critical – in contact with them – they are our top priority (on generators).  
Working with shelters as well.

**Dave Gendall**

Busy day in North Andover and Worcester Muni Rooms – lots of calls.  
Immediate fall-out – looking for resources to give ETR's  
Power-On challenging today – it has been running slowly.

**Aleta Fazzone**

20 Muni's dialed in with Wires Down.  
1 sensitive customer – IPG Electronics – fed out of East Webster Sub. – 14 to 16 hours  
before they start losing millions of dollars of business.  
Doubled resources on Wires Down since this morning – per Kathy Lyford.  
Billerica House of Correction – public safety issue – per Chris Root. Ken Lomax looking  
into.

**Kathy Lyford – Worcester & Western MA**

70,000 out in Central Mass  
10,000 out West  
20 feeder lock-outs

**Tree Crews – Anne Marie Moran**

Tree crews will be working until 10:00 PM tonight.  
Working on lodging for them.

**Customer Inquiry System – Nancy Concemi**

100,000 calls handled by 21<sup>st</sup> Century.  
Shifted calls to Syracuse & Vendors.  
180 Calls waiting in queue.  
Using all SEALS, Gas Folks, all resources to take calls.

**Resources – Fred Raymond**

Same as this morning.  
Picked up two additional Transmission Crews from Central Maine Power.  
12 or 1:00 PM tomorrow to start sub-transmission patrols.  
Restoration work plan for transmission lines – can you get to Chris and Mike?  
Lines that have the greatest Customer impact will be worked on first.

**Cheri Warren**

PORD has been up and down all day. We need to reduce folks using Power On. IS said system is going to fall over if we don't reduce users. Maximum number of users should be 700 data base connections. We will send an e-mail to NE people – do not use Power On – for viewing, use for System Restoration only.

**Logistics – Mary Fuller**

Crews are going back to where they were last night for lodging. We are calling to see which hotels/restaurants do not have power, which may be an issue we will need to deal with.

**Stores – Dan Prior**

Stock requests on route to Worcester  
Staging pallets of water.  
Environmental kits ready.  
Expediting stock.

**Facilities – Patrick Burns**

All set – no major issues.  
No major leaks – no major issues.  
Some facilities are running on generators.

**Public Relations – Tom Mulligan**

No major issues.

**Damage Assessment**

Crews will work until midnight tonight – the majority of these crews are the contract folks.

**Call Wrap – Up**

If anything else comes up – I'll send out an e-mail – per Chris.  
Thank you all. Our goal for tonight is to have nothing uncovered for Police & Fire.

**Next calls: 9:00 AM & 3:00 PM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**August 29, 2011**  
**9:00 AM**

**Safety – Chad Martin – Public Safety and Worker Safety – Top Priority**

**Weather Issues – Chris Root**

Welcome to Monday – a new day – new weather. We are ready to go and do what we do best – restoration.

Sent out our list of our priorities for today:

1. Critical Public Safety Issues – need to clean up today
2. Transmission Problem – Newport, Rhode Island – Newport Hospital & Downtown Area
3. Damage Appraisals
4. Distribution and Sub-Transmission Lines
5. Balance our resources (outside contractors) – allocation of folks
6. Restore 150,000 across the System with “zero” injuries

Weather update from Telvent.

**Gas – John Flint**

Gas is doing extremely well. I&R folks are out and about. Operationally cleaning up – handling grade 1 leaks. Looking to move gas resources to electric response. Training gas personnel to assist with pole setting. Working with Fleet to use vehicles for Gas Operations personnel. After Wires Down we will work with Damage Assessment. Gas folks are working 12-hour shifts.

This is a good example of integration with Gas and Electric – per Chris. Thank you John!

**Control Centers**

**Transmission – Will Houston**

Overnight we put 4 - 69 kV lines back in service.

18 Transmission lines are still out. We are working with Fred Raymond crews on Newport.

Lost the #1 bus – 230 kV @ Bear Swamp overnight

Y25 line was restored prior to flooding

**Distribution – Mike Gallagher**

Not on this call.

**Wires Down Ellen Povant**

Focused on Police and Fire stand-bys.

PORD not that accurate at this point.

We are getting more resources this morning. Specifically, we are working on getting Gas resources to help out with night shifts and could use more folks on cut and clearing and are working with local storm rooms.

Checking the PORD data is critical – need folks to work on this. Chen/Neil to take this action item per Chris.

### **Divisions**

#### **Mike Hrycin – Providence, Rhode Island & Somerset, MA**

Rhode Island peaked last night at 330,000 outages.  
We are down to 270,000 customers without service this morning.  
We are still working on Public Safety issues, wires down, blocked roads.  
Muni Room handling city and town call backs.  
Quite a few Wires Down calls in Rhode Island left – addressing Police and Fire first.  
We are patrolling distribution feeds – Newport Hospital is a priority.  
Patrols of Jamestown are in place – we are working on clearing side taps.  
Helicopter 23 kV patrols are scheduled for this afternoon.  
23 substations were locked out in the area. 6 were back on as of this AM. We expect to have another 2 back on by Noontime  
We have a call at 1:00 PM today with the Muni's and REMA.  
A verizon Rep is on sight.  
We will open the North Kingstown Storm Room tomorrow. This is imperative.  
We are opening staging areas in Warwick and also at Twin Rivers in Lincoln to handle additional crews that will be coming in.  
Our Lincoln office is back – working to get Cumberland office back in service this morning.

#### **John Isberg – Rhode Island**

Outreach in RI – Tim Horan is taking a helicopter ride with the Governor & REMA this morning to assess the damage. We are working with governor's council on delaying school opening for a few more days. We are also letting the managed accounts know of high-level plan for restoration. Muni Calls pretty steady coming in last night and this morning about restoration times. Communicating damage assessment to customers.

#### **Jeff Merritt – Brockton/South Shore/Hopedale**

Brockton/Hopedale – 22 line crews (both locations).  
Still addressing and responding to any remaining calls for Police & Fire.  
We used contractors last night to clear Police and Fire calls as well. The contractors worked until 11:00 PM.  
Local crews are working on critical concerns today – hospitals are back except for one. Contract crews (40) are working on priorities given by Engineering for restoration efforts on highest priority feeders. Reaching out to Muni's to make sure their needs are met as well. Our own local crews are on emergency items (public safety/police & fire) today. There was a large oil spill in Cohasset – Environmental is aware – Clean Harbors is on-site and cleaning up.

Side note from Chris – he has requested 500 more outside crews.

Need security at Hopedale and Brockton Offices.

#### **Joe Carroll - Hopedale and Brockton**

We have a 10:30 Muni call - we will cover and get notes out to all.

We've got a good plan for dialogue with them. We are sending folks out to the Fire Stations for proper communication and updates.

**Ken Lomax – Merrimack Valley/North Shore**

Merrimack Valley/North Shore = 36,000 outages

New Hampshire = 3,000 outages

No major sub-transmission issues.

Contractor crews – discussions on allotments - political issues.

We are working directly with the Muni Rooms on Wires Down and Fire calls.

Total Wires Down calls: 450 Merrimack Valley / 300 or so on the North Shore

No feeder lock-outs.

We have a Verizon Rep in Merrimack Valley who we are working directly with.

**Dave Gendall Worcester/Merrimack Valley**

Busy night in Muni Rooms handling inbound and outbound calls for Worcester and Merrimack Valley.

We are working closely with Ken Lomax and Kathy Lyford and have scheduled a 2:00 PM conference call.

**Aleta Fazzone**

Thanks to the Team that got IPG up and running last night!

**Kathy Lyford – Worcester & Western MA**

Less than 37,000 customers out

26,000 in customers without service in Worcester

11,000 customers without service out West

All hospitals were back on as of last night.

IPG – generator installed by 10:00 PM by Substation crews.

Police & Fire Standby locations – there were 6 left as of this morning and we got them covered.

Sent 18 outside crews to Rhode Island

**Tree Crews – Anne Marie Moran**

We were able to get an additional 410 tree resources.

Folks from Transmission and Asset out helping and moving the crews.

**Customer Inquiry System – Nancy Concemi**

Not on this call.

**Resources – Jeff Faber**

Some crews from Unitil available per Rich Francazio.

We are requesting 600 crews from various folks – Southern States, etc.

Check with John Rowe @ Exelon for available crews per Chris.

Wisconsin crews have been picked up by Connecticut

Mike Szczpanek talking to Canada about acquiring additional resources.

**Cheri Warren – Northboro Eroom**

Computer problems – significant still with PORD/PORTIS – running very slowly.



In action to get training in for PORD for additional support personnel – 9:30 and 10:30 sessions today.

Still working on System problems with IS.

We need two Power-On folks in each Storm Room – per Bob Brawley.

**Logistics – Mary Fuller**

Fuel – working with John Flint.

Getting the two staging sites ready in RI.

Meals & Lodging – 2,375 beds last night.

Received 2,000 box lunches for today.

Working on numbers of meals needed for Wires Down folks.

Think about when to shutdown Rockingham – Chris will confirm when.

**Stores – Dan Prior**

Need for hard hats – Dan will take care of. There are 300+ hard hats in Sutton – will get out to Brockton ASAP.

Out at staging sites this AM – addressing CCI.

Commissioning Material Handlers at staging sites.

**Facilities – Patrick Burns**

Nothing at this time.

**Public Relations – Tom Mulligan**

Not on this call.

**Damage Assessment – Rob Sheridan**

Last night we put together several feeder maps for the contractor crews.

503 damage assessment packages were prepared for appraisers.

There are a lot damage assessors on the road so we should see data coming in within the next few hours.

**Call Wrap – Up – Chris Root**

Every day we will set up a new set of goals/objectives.

Day by day – one day at a time – be safe and stay focused.

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**August 29, 2011**  
**3:00 PM**

**Safety – Chad Martin – Extra Precautions on all Repairs Being Made – Slow Down & Focus**

**Weather Issues – Chris Root**

None. No one on from Telvent.

**Gas – John Flint**

Same mode – handling emergencies.

80 folks out on downed wires.

273 trained gas folks. Working on deploying our folks. I&R group fully engaged – telemetry issues.

**Control Centers**

**Transmission – Will Houston**

9 transmission lines back in service.

G7 69 kV line out.

E5 W de-energized – Shutesbury flat.

**Distribution – Mike Gallagher**

Lines restored to Newport – 69 kV lines back into Jepson

Picking up customers on Nantucket. Slow pick-up.

A number of the substations have been restored

**Wires Down – Ellen Poyant**

Working with Brian Schuster – will send out new orders that come in.

Will be sending out an e-mail to all.

Cut and clear difficult due to Wires Down.

Working on a report with number of Wires Down open so that we can staff appropriately.

Report will be issued every two hours. Not sure of time when first report will be issued as yet.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

Similar to Jeff and Kenny we were in Public Safety mode with our crews responding to 911 calls.

We have been in restoration mode since then – half the feeders back in Newport.

15 kV back and running in Middletown.

Made a lot of progress today. Contractors were given 22 feeders to work on. Plan in place for the Sub-T. Working with Fred's group. Picked up a lot of the critical customers even though that doesn't show in the numbers.

**John Isberg – Rhode Island**

Held a press conference with REMA at Noon – Tim Horan participated also.

Sat in on School Superintendents call – schools will not be opening up tomorrow.

ETR's will need to be conveyed.

30 sensitive customers have been contacted.

Reached out to 200 managed customers.

Prioritizing the cut and clears.

**Jeff Merritt – Brockton/South Shore/Hopedale**

Today – big play was keeping up after police and fire calls and emergency calls to towns by our local crews. Muni call with State Reps and Fire and Police Chiefs this morning. They gave us a priority list and we tried to get out to those issues. Overhead contract crews were assigned 18 feeders – got Rockland back.

105,000 customers out. More likely below 100,000 at this point in time.

Did assign 4 troubleshooters and tree crews to assist with Wires Down.

Gillette and TPC/Norton – Wally McDonald – trying to get to their concerns – events planned.

**Joe Carroll – Brockton/Hopedale**

Dealing with Muni calls (not available for this call per Jeff Merritt).

**Ken Lomax – Merrimack Valley/North Shore**

NS – 7,000 customers – seeing progress without challenges.

MV – 20,000 customers – same thing – lining up crews to bulk area.

Focused on restoration today. Wires Down still an issue. Making good progress.

May pull some crews out of this area by the end of the day to send elsewhere.

Making progress on the main lines. Working with Verizon reps as well.

**Municipal Rooms**

**Dave Gendall**

Not on the call.

**Aleta Fazzone**

Muni Call – good participation.

Different tone today from yesterday – little more frustrated today.

Number of schools without power. Big question on whether schools can start tomorrow?

Heard about State Police Academy in New Braintree without power.

Quite a bit of work to do on responding to what we heard today.

Need to appoint someone to the “all Schools” issue – per Chris.

**Kathy Lyford – Worcester & Western MA**

9,700 customers out in Worcester

9,700+ customers out in West as well.

Fuse taps the bulk of outages.

Need damage assessment today. Need to get better grip on Wires Down numbers.

**Tree Crews – Anne Marie Moran**

410 tree crews on and working. Will have night shift working as well.

Answering issues that have come up from this afternoon’s Muni calls.

Cleaning up areas ahead of the line crews.

**CIS – Nancy Concemi**

Doing very well today.

25,000 calls.

21<sup>st</sup> Century working well all day.

Working with life-support customers. Making 2<sup>nd</sup> calls to them. Numbers should drop.

Working 16-hour shifts. Tomorrow will start with 12 hours.

**Resources – Mike Szczpanek**

Couple more calls from Duke.

Working with Dean on mutual aid.

Crews not coming from Unitil now – going to NStar in NH.

Still requesting 500 crews – per Chris.

**Northborough Control Room - Cheri Warren**

PORD/Portis issues still on-going. The system is very slow to refresh and update.

System doesn't reflect actual numbers that have been picked up.

Public sees the number and becomes very concerned – per Tim Horan.

Process to capture capital asset repairs shared with field restoration personnel Appreciate everyone's participation.

**Logistics – Mary Fuller**

Staging sites – CCRI – gearing up to serve dinner.

Yard kits will be delivered tonight.

In a good place with materials at staging sites.

Fleet front – 22 of 48 vehicles delivered – another 26 on the way.

Fuel cards ordered and will be delivered with vehicles.

Rooms have become available since Newport has been picked up.

**Stores – Dan Prior**

Route 20 Marlboro – made trip with additional materials – all set now.

**Facilities – Patrick Burns**

Not on this call.

**Damage Assessment – Rob Sheridan**

Between a 1/3 and all of Phase 1 done.

Extensive damage to side taps (MA & RI).

Looking to shutdown damage assessment in Malden and redeploy to Rhode Island/New England South.

Worcester will release some to go south as well. Targeting where we are sending inspectors.

Goal tonight is to get more resources to New England South.

**Call Wrap-Up – Chris Root**

Our 6 goals for today were mostly met.

Potential goals for tomorrow:

Have at least one line live to all of our substations/suppliers.

Reduce Wires Down stand-by by two-thirds tomorrow.

Identify all Critical Facilities and Schools

Open the Storm Room in North Kingstown

250,000 restored tomorrow

Focus on Communications – updates to crews.

**REDACTED**

Attachment DIV 1-4 (Redacted)  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 27 of 66

Zero injuries – focus on that!

Thank you all for your hard work – appreciate it all!

**Next call: 9:00 AM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**August 30, 2011**  
**9:00 AM**

**Safety – Chad Martin – Fatigue, Stress, & Pressure Builds/Get Rest & Eat Properly so that Everyone Works Safe!**

**Opening Comments – Chris Root**

Today is going to be a big day. We restored over 300,000 customers yesterday. I am very proud of everyone. We are reassigning Area ICS Leadership based on affected areas and needs. Today's goal is to do a lot of work and to do it safely.

**Today's Goals**

1. Restore 250,000 customers
2. Get every substation energized
3. Get "stand-by" Wires Down done (2/3's at least)
4. Make sure we haven't missed any of our Critical Care Customers (schools)
5. North Kingstown Storm Room – get it up and running
6. ETR's – very important. We have no ETR date as yet. We need an ERT for every town by Noon today. We can revise if necessary.
7. Gas – maximize the use of their people. John Flint will organize a plan with Learning and Development to train additional gas personnel in wires down so that they can help us out in the field with restorations. The training will occur in Southeast Mass and another in Rhode Island. If they could set some poles with backhoes tomorrow that would be great.

Tomorrow's goal will be to get feeders restored and then side taps.

**Gas – John Flint**

Pole setting training today @ Millbury Training Center already being organized for gas folks. Looking at restructuring our Gas EOC's today. Trying to shift as much of our resources as we can to electric restoration.

**Control Centers**

**Transmission – Will Houston**

Last night got 9 transmission lines back – 4 in RI  
7 lines still out of service – 2 due back today  
Others later in the week.  
127 & 128 lines remaining.  
No customers impacted by any of these lines.

**Distribution – Mike Gallagher**

RI – 26 Feeders out  
MA – 45 Feeders out  
Gillette Stadium picked up overnight.  
Continuing to work on Power On so that it reflects the actual numbers.

Police and Fire calls have stopped.

**Wires Down – Ellen Poyant**

Worked last night to clean up data in PORD - we will continue to work on this for the next 24 hours.

We are working with Gas to move resources to poles.

Will need a listing of high priority areas.

792 resources presently dedicated to Wires Down – per Mike Courtien.

**Divisions**

**Mike Hrycin – Rhode Island & Somerset & Fall River, MA**

Down from 340,000 peak to 136,000 out in the entire State of RI.

Today working on Sub-T issues.

Need to get 2 substations back.

Getting work packets out to contractors.

Power has been restored to Police Barracks in Scituate.

Working on restoring power to additional hotels in Warwick area.

Northern part of the State was helicopter patrolled yesterday. Didn't look too bad.

Southern part of the State will be helicopter patrolled today.

**Kathy Lyford – Southern Rhode Island & Newport Area**

Middletown and Jamestown cleaned up yesterday – down to 2,000 customers without service.

Focusing on North Kingstown and Westerly areas today.

**Jeff Merritt – South Shore Massachusetts**

We went from 115,000 to 60,000 customers without service in Brockton.

Yesterday's focus was on Public Safety.

Muni Room liaisons went out to all Fire Departments.

Between yesterday and last night all roads have been opened up.

Hospitals are back. Now utilizing contract crews that were on Nantucket.

Feeder work identified by contract crews.

Some of our backyard distribution lines are not in good shape.

Today's plan is to keep after the feeders all day.

Marcy Reed will be coming down to the South Shore today. – per Chris

**Ken Lomax – Southeast Massachusetts**

At just under 80,000 customers without service presently. Great effort yesterday and last night.

Union Loop should come back tonight.

Dead feeders are being worked on.

6 to 8 poles reported down in road near Golf Course (TPC in Norton) - is a high focus.

Trying to appease political feedback in Marlborough.

# of feeders with breakers open – no number – but is progressing.

**Jeff Faber – Merrimack Valley/North Shore**

North Shore almost cleaned up – expected to be completed by Noon. 1,100 customers without service remaining.

Merrimack Valley @ 6,000 customers without service – goal is tonight with scattered outages into tomorrow.  
Need an estimate on required minimum-staffing once cleaned-up so that we can move folks – per Chris.

**Tim O’Leary – Worcester & Western Massachusetts**

Doing well – down to 16,000 customers without service in the Worcester Area and 2,000 in the West.  
Down to 2 Elementary Schools without service and no Critical Care or Hospitals without service at the moment.  
Back yards in Worcester are looking good.

**Muni Rooms**

**John Isberg- Rhode Island**

Tim Horan and Tom King are going to CCRI today.  
Muni call scheduled for 11:00 AM. School Superintendent call scheduled for 2:00 PM.  
Working on Critical Customers (Nursing Homes), calling all managed customers, and concentrating on blocked roads and wire issues.  
Customers will be expecting ETR’s

**Joe Carroll – Brockton/Hopedale**

Not on this call.

**Dave Gendall -North Shore/Merrimack Valley**

Quick summary – we’ve taken almost 400 calls between North Shore/Merrimack Valley.  
A lot of activity. Need ETR’s today.  
Muni conference call in North Andover today @ 11:00 AM.  
Will do one in Worcester @ 2:00 PM.  
Police calling about police detail issues. Give some thought on how to handle.  
Some Wire inspectors have requested that an email notification be provided to ensure that the Wire Inspector call was received. Currently calls are left on voice mail. Bill Jones will follow-up with – per Mike McCallan.

**Aleta Fazzone**

Not on this call.

**Tree Crews – Anne Marie Moran**

All hands on deck.  
Moved crews from up north to RI  
Shifting crews based on assessments.  
Local crews doing single calls that come in.  
Tree work is well ahead of the line crews.

**CIS – Nancy Concemi**

Calls have decreased a little bit.  
Starting outbound calls to customers to determine if the power has been restored with Dispatch.  
3<sup>rd</sup> day of Life Support calls – will have a count calls @ 3:00 PM today.



**Resources – Fred Raymond**

Unitil was able to free up 20 to 25 crews for us for Distribution resources.

**Northborough Control Room - Cheri Warren**

Right now Power-On and Portis running well.

Outage Central running well also.

**Logistics – Mary Fuller**

300 meals being prepared tonight @ CCRI.

2,250 box lunches ordered for today.

140 extra available for Worcester/Western crews if needed

Fueled all vehicles and staging sites last night.

Gas cards arriving tomorrow.

Food & Lodging – issues with securing hotel rooms.

Lodging folks will reach out today to all field forces and explain where their assigned hotel rooms will be.

Issue – can Stores deliver poles to our contractors and/or where we are going to work – per Chris? Would like poles delivered the night before. Set-up delivery mechanism once areas of need have been identified. Need Stores for this in order to keep the lineworkers away from this task.

**Stores – Dan Prior**

Jose Quinones – we have a vendor that can do pole deliveries.

**Facilities – Patrick Burns**

Not on this call.

**Public Relations – Tom Mulligan**

Not on this call.

**Damage Assessment – Rob Sheridan**

Pretty productive last night.

Sent out updates overnight and this AM.

Assessments are 50% done on main lines.

Getting a list of those feeders that we patrolled with no damage.

Doing outbound calls today to get information into the System so we can put out updates – especially on high profile areas (every 4 hours hopefully).

**Call Wrap-Up – Chris Root**

Still in a State of Emergency as declared by the Governor.

Any emergency issues, please keep Mike McCallan informed.

Big day today – keep focused.

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**August 30, 2011**  
**3:00 PM**

**Safety – Chad Martin – Keep Our Minds on the Work Zones/Drop Zones. Keep all PPE on and Visible at All Work Sites.**

**Opening Comments – Chris Root**

A lot of media activity today. Tom King on TV news.

**Gas – John Flint**

Gas crews have been sent out to be trained to set poles tonight @ MTC.  
Training additional gas folks on Wires Down.

**Control Centers**

**Transmission – Will Houston**

We are expecting to have the O-15 Hampden to East Longmeadow transmission line back this PM.

**Distribution – Mike Gallagher**

Making progress.  
We have restored a number of feeders

**Wires Down – Ellen Poyant**

We are making progress.  
Planning to batch close out some of the wires down orders.  
Added more wires down resources for tonight.  
Cut and clear still working.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

Getting customers back – working hard. We need additional line and tree crews.

**Kathy Lyford – Southern Rhode Island & Newport Area**

Fair amount of areas in Southern RI that have no presence by us  
We need both line and tree crews.  
3312 line is in the process of being switched.

**Jeff Merritt – South Shore Massachusetts**

Not on this call.

**Ken Lomax – Southeast Massachusetts**

Everyone is working on the Union Loop. We expect it will take a good 4 hours of work after we get the switchmen.  
Main line progress.  
Political concerns about Wires Down resulting in Police and Fire calls.  
We need cut and clear crews.

**Jeff Faber – Merrimack Valley/North Shore**

A little slower than we like but we are on track.

**Tim O’Leary – Worcester & Western Massachusetts**

Not on this call.

**Muni Rooms**

**John Isberg – Rhode Island**

38 schools are without service in RI. Most of them understand that schools should be ready for next Tuesday. We will try to restore as many as possible so that they can open this Thursday and Friday.

**Joe Carroll**

Not on this call.

**Dave Gendall**

Schools - revisiting and will update with details.

**Aleta Fazzone**

Not on this call.

**Tree Crews – Anne Marie Moran**

Need tree packages from Damage Assessment for New England South.

**Customer Inquiry System – Nancy Concemi**

We are thinking about placing a global outbound call to all impacted customers. ETR’s are not set at this time.

**Resources – Fred Raymond**

Resources are all set right now - everyone is out and working.

**Northborough Control Room – Cheri Warren**

Portis is not moving. Should start to see #’s moving soon.

Outage Central should now start to show ETR’s.

Flash reports by town.

Need to help Mike Gallagher with close-outs – per Chris.

**Logistics – Mary Fuller**

Received a list from Damage Assessment on poles that will need to be set.

**Damage Assessment – Rob Sheridan**

Brockton & Hopedale – vast majority of damage assessment will be done by tonight.

Providence is not too far behind.

Will put a lot of packages together tonight for tomorrow.

**Miscellaneous**

Supervisor on the ground is free to make a safety determination on whether or not a Police Detail is needed. If deemed necessary, they will make the call. Police mostly concerned with the very busy major thoroughfares – not on side streets. It is “our” call on those areas.

**Call Wrap-Up – Chris Root**

Have a good night everyone.

Will talk about goals tomorrow.

Work safe!

**Next call: 9:00 AM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**August 31, 2011**  
**9:00 AM**

**Safety – Chad Martin – Unplanned Energization of Lines – Not Acceptable! All Lines Must be Patrolled. Make Sure Information is Complete and Accurate, Please!**

**Opening Comments – Chris Root**

**Yesterday's Results:**

1. Restored over 200,000 customers yesterday. Great work!
2. All substations were energized.
3. Lots of progress with “stand-by” Wires Down. We are still working on wires down calls. There are no remaining wires down with Police or Fire standing by.
4. Critical Care Customers/Schools – Great job! Have a plan. More details to follow.
5. North Kingstown Storm Room is up and running!
6. ETR's – all are in Outage Management System and loaded. Will need to be refined however. Darrin Hunt will be reaching out to folks for more granular information.

**Today:**

We will beef up the management structure to manage resources coming in. We need clearance qualified folks (possibly from NY). Nabil will be coordinating.

**Goals:**

1. Zero accidents
2. Energize all main circuits
3. Finalize our plan to energize all schools
4. Refine ETR's
5. Finish Phase II Damage Assessment – need a better feel for it the total damage numbers
6. Finish the Wires Down work in Worcester Area so we can move resources to other hard hit areas.
7. Redeploy all folks to the 4 hardest hit areas – give up contractors by the end of the day today. We have to move crews Rhode Island and Brockton and Hopedale areas
8. Gas resources – will continue to be trained to set poles (over 500 need to be set).

Still 200,000 customers without service remaining. We would like to cut that number in half today. We know that the public is getting anxious. We have 550 crews working on it. Northborough is working on getting us more resources.

**Gas – John Flint**

Sent trained folks to the affected areas this morning to help with setting poles.  
Question on vacations for next week? Determination will be made tomorrow. Chris will talk to H/R.

**Control Centers**

**Transmission – Will Houston**

1 line back (015) yesterday  
5 other lines out of service – 2 to 3 days

**Distribution – Mike Gallagher**

Continuing to patrol all feeders that we will be energizing.  
Control Room – broke out a separate group to work on the Union Loop.  
Concern about picking up all the main lines. We are focused on that as well and have a list of feeder priorities.

**Wires Down – Ellen Poyant**

Yesterday 47 active stand-bys – down to 10 this morning.  
# of resources is around 400.  
Sending some to New England South today.  
Will keep open some Wires Down rooms and dispatch folks locally.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

60,000 outages remain in the Capital area.  
Energized all the Sub-T/Chopmist.  
Restored 25 feeders in total.  
Working on work packets that were distributed to the staging areas.  
10 feeders out Blackstone Valley – small – 1,000-1,500 customers on those.

**Kathy Lyford – Southern Rhode Island & Newport Area**

33 – 12 line back to Lafayette.  
8 feeder lockouts – brought all back except for 2.  
Big day today – contingency of contractors (80). Good prioritized work packages.

**Jeff Merritt – South Shore Massachusetts**

Marie Jordan is here – thank you!  
60,000 to 36,000 customers yesterday. Difficult ones left.  
Circuit breakers – all 13 kV closed in. 1 open – being back fed from another spot.  
4 kV breakers being worked on today – Scituate/Norwell areas.  
In addition – getting on to the Verizon pole sets.  
Using Work Readiness to site deliver poles. Setting up Gas crews to dig the holes with the backhoes.  
Some remaining circuits may take 3 to 5 days.  
Positive comments on the radio interview with Marcy Reed.

**Ken Lomax – Southeast Massachusetts**

Lots of focus on Union Loop – hoping to get more resources.

We have increased our attention to folks in Foxboro.

Cut and clear folks in place on the high priority issues.

Working on sending another Management Leadership person to work with Kenny – per Chris.

**Jeff Faber – Merrimack Valley/North Shore**

NH all cleaned up yesterday.

1,500 remain out in Merrimack Valley

50 remain out in North Shore – yesterday we were at 1,100 out in the North Shore.

Internals and contractors are fully engaged in the remaining difficult pole sets. We will free our contractors up tomorrow for redeployment to the Brockton, Hopedale and Rhode Island areas. Possibly some internal folks as well.

**Tim O’Leary – Worcester & Western Massachusetts**

6,500 customers without service in Central and Western areas. Contractors are working on large jobs.

We would like to move crews to the Hopedale platform. Hope to release contractor crews by the end of the day today to help out in the South and RI.

**Muni Rooms****John Isberg – Rhode Island**

We have an 11:00 AM Muni call scheduled and will get the pulse of the public then.

**Joe Carroll - Brockton**

We have a Muni call scheduled for today at 11:00 AM.

All liaison folks went out to the 22 managed customers.

We are hearing a lot of aggravation/frustrations from Municipal Officials.

The Muni Room is open in Hopedale - Paralleling what we do in the South.

**Dave Gendall-** Worcester and North Andover.

We are doing well in Worcester and North Andover.

We are working closely with Ops folks – hoping to get resources out to the cities and towns that have high numbers. We will do a 2:00 PM Muni call this afternoon.

**Aleta Fazzone**

Not on this call.

**Tree Crews – Anne Marie Moran**

The Governor is sending National Guard folks to work on downed trees – per Chris.

Redeploying constantly.

**Customer Inquiry System – Nancy Concerni**

Not on this call.

**Resources – Fred Raymond**

We continue to support the Sub-T effort.

Union Loop in final configuration.

Mike Szczepanek pursuing mutual aid – folks from Kansas City coming to begin work on Friday.

Slowly resources are being released and sent to us.

**Northborough Control Room – Cheri Warren**

Anything that we can get to show progress will be extremely helpful. Need to show the press that we are making progress.

Reminder that we are in a “Regulatory Environment” – Massachusetts A/G already inquiring about check lists, logs, required documentation, etc. Everything has to be documented. Just a reminder.

**Logistics – Mary Fuller**

Closed down Rockingham. Folks from Stores will pick up stock and redeploy.

CCRI staged 100 trucks last night and fed 100.

Twin Rivers and Raynham – need to evaluate those sites.

Marlborough – no issues.

Will distribute 4,000 box lunches today.

Laundry – working with Procurement – more specifics this PM.

Challenges around lodging – fueled all staging sites (not hotels) last night.

No ad hoc calls on rooms – need a sheet (RoD) to obtain rooms.

Tapped out in Rhode Island for hotel rooms.

May have room availability in Newport.

Michelle Light working on Secured ID’s that will be expiring today. Send her an e-mail.

**Damage Assessment – Rob Sheridan**

300 line packages

157 tree packages

Phase II – shooting to get done today.

Will be doing a sit-down with appraisers in a half hour and will decide then where folks should go.

**Storm Rooms – Bob Brawley**

All are in good shape.

Back Office operations opened in Northborough to handle repair calls from the field.

Outbound calling processes are functioning properly.

**Call Wrap-Up – Chris Root**

Need to get all paperwork back!

Need to attach a page to the Safety Brief about filling out accounting information so that all the crews will see this. Brian McNeil will take. Jennifer Grimsley also.

RI and Hopedale/Brockton Area – OSHA out with us today – per Chad Martin.

Big day today – need to make good progress!

**Safety – Safety – Safety!!**

**Next call: 3:00 PM today**



**Regional Storm Call – Hurricane Irene**  
**August 31, 2011**  
**3:00 PM**

**Safety – Chad Martin – Re-emphasize Safety – Keep up the Good Work – Stay Hydrated!**

**Opening Comments – Chris Root**

Tremendous amount of work has been going on today!  
We have beefed up our Management structure to add additional leadership support in affected areas. I appreciate all of that.

**Gas – John Flint**

Gas has an additional 17 folks out this morning setting poles, another 9 will head out this afternoon, and another group will be ready to go tomorrow.  
We are not seeing any volume of Dig Safe tickets. Chad will use in tomorrow's Safety Message.

**Control Centers**

**Transmission – Will Houston**

No changes from this morning.

**Distribution – Mike Gallagher**

We have been in contact with the Area Directors and are getting switchmen to where we need them. We need switchmen in Northborough.  
Feeder Lock-outs: 13 RI and 20 in MA

**Wires Down – Ellen Poyant**

Under 5,600 unassigned at this time.  
We are in the process of redeploying folks to the South from the Worcester Area.  
We have 43 cut and clear crews across the platforms.  
We have 11 cut and clear crews for tonight.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

Good progress – we are down to 45,000 customers without service in the Capital area.  
All nursing homes should be on by 5:00 PM tonight. All Verizon central offices are back up and running. We are opening Twin Rivers tomorrow as another staging site for additional crews.

**Kathy Lyford – Southern Rhode Island & Newport Area**

We are down to 12,000 customers without service from this morning. Some areas are slow going due to tree damage.  
There are pockets within the coastal area that we haven't gotten to.  
All nursing homes and schools will be on by the end of today.  
There have been a large amount of sensitive calls coming in to the Muni Rooms today and we are managing that.

Additional crews will help.

**Jeff Merritt – South Shore Massachusetts**

We were on the Muni call and are working on those issues.  
37,000 customers without service now. The numbers are up from this morning due to a pole fire in Pembroke.  
A good portion of circuits were repaired in Norwell. Same in Scituate.  
We will have 20 additional crews in the Brockton area tomorrow morning – per Mike McCallan.

**Ken Lomax – Southeast Massachusetts**

The Route 1 area in Foxboro has been restored. Making progress in Foxboro – committed to all main lines tonight and the rest tomorrow.  
Hopefully getting to schools tomorrow.

**Jeff Faber – Merrimack Valley/North Shore**

Doing well. Releasing contractors today.  
Down to 400 customers without service in Merrimack Valley and dropping.

**Tim O’Leary – Worcester & Western Massachusetts**

5,000 customers without service right now.  
We expect to run with our own crews for the next two days and then they can be released to help.

**Muni Rooms**

**John Isberg – Rhode Island**

Majority of schools cancelled for this week – local officials understand.

**Joe Carroll Hopedale/Brockton**

Marcy Reed had a good meeting with the officials in Foxboro earlier today. They appreciate our efforts in that area. They are deciding on issue of whether to have the Patriots game tomorrow evening.  
Media is out and about in Norwell, Stoughton, etc.

**Dave Gendall – Merrimack valley / Northshore / Central-Worcester/West**

Good Muni call – little punch list that we are following up on.  
I am heading to Hopedale now.

**Aleta Fazzone**

Not on this call.

**Tree Crews – Anne Marie Moran**

Not on this call.

**Customer Inquiry System – Nancy Concerni**

Folks are extremely frustrated. We are trying to provide them with good information.  
Call volume is down significantly. We are getting a lot of inquiries on food spoilage and who will pay for it?

**Resources – Fred Raymond**

Converting transmission contractor crews to distribution crews. They are qualified and we are getting them equipment.

Setting up pole setting training courses tomorrow for both internal and external Transmission crews.

Supporting the Sub-T area.

Hydro-Quebec and Florida resources are still being negotiated.

**Northborough Control Room – Cheri Warren**

90,000 customers without service in MA

85,000 customers without service in RI

Outage Central is still not working properly – we are working to fix the problem.

**Storm Rooms – Bob Brawley**

Still trying to collaborate with folks out in the Field on crew assignments.

Need the numbers/accurate information.

**Logistics – Mary Fuller**

CCRI will feed 300 tonight.

Working on laundry issue.

Fuel: 46 hotels to hit tonight – may have to do every other night since number is so large.

Pole deliveries – staying ahead of the curve.

**Damage Assessment – Rob Sheridan**

Still out there in the 3 Southern areas on Phase II – should be done tonight.

**Call Wrap-Up – Chris Root**

At midnight tonight – IS will take down Power-On for 2 hours to improve the process.

External website still has problems – we are working to fix it.

Reporting of incidents needs to be done ASAP – per Chad.

MA – no life support issues per Ed White. Will check on the same in RI tomorrow.

Our goal for tomorrow is to cut the number of customers without service in half once again.

Big goal of Wires Down in RI as well.

Thank you all – doing a great job! I'm proud of everyone! We will get you more resources. Keep your heads up!

**Next call: 9:00 AM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**September 1, 2011**  
**9:00 AM**

**Safety – Chad Martin – Folks are Fatigued/Stressed – Follow Procedures Still – No Short-Cuts!**

**Opening Comments – Chris Root**

Yesterday was a fantastic day and we did a great amount of work. Lots of progress. We had some minor safety issues/accidents – no major ones. We are at about 100,000 outages now. 60,000 in Rhode Island and approximately 22,000 each on the South Shore and Southeast. Today is the day for a lot of 3-phase work. Focus on safety!

**Yesterday's Results:**

Only 6 circuits are out in Southeast between Attleboro and Rehoboth. There are no circuits out in Rhode Island.

Need to refine ETR's with more accurate times based on restoration progress made to date and damage assessments.. Challenges still with Wires Down – lots of work left.

**Today:**

Labor call today at 10:15 AM to discuss pay policies for all Union workers (consistency).

**Goals:**

1. Zero injuries
2. Under 20,000 customers without service in each area (stretch goal)
3. Get cut and clear resources in RI and Wires Down
4. ETR's – major updates and deep dives

**Gas – John Flint**

Not too much going on. Feeding resources to Wires Down and physical assistance to the Field. Normal operation in NH. We are getting questions about expectations around week-end work and next week (i.e. vacations). No moratorium on vacations for next week – per Chris.

**Control Centers**

**Transmission – Will Houston**

No real issues.

**Distribution – Mike Gallagher**

No issues this morning. Still have feeders locked-out in Southeast Mass. Trying to knock those #'s down with the resources we have.

**Wires Down – Ellen Poyant**

We have re-assigned the Worcester folks to cut and clear the northern towns in RI.

We are keeping 22 resources in Brockton. All other resources that are not on stand-by will be on the east bay in RI. We still have 2,900 wires down unassigned in RI, 1,200 in MA still unassigned, many of which are in the Foxboro area. Big push in Rhode Island – per Chris.

## **Divisions**

### **Mike Hrycin – Providence, Rhode Island & Somerset, MA**

30,000 customers without service – 24 feeders restored yesterday.

Working on ETR's – will fine tune today.

DPW Directors to complete any road closures by today.

Got packets up to Twin Rivers for the contractors.

Smithfield/Burrillville area is still the most difficult – heavy tree area.

### **Kathy Lyford – Southern Rhode Island & Newport Area**

We had a really good day yesterday – down to about 30,000 customers out.

All breakers are in and no feeder lockouts. 90 contractor crews and 15 internal crews are working today. We are finalizing a pole plan. We still have 82 broken poles for the Coastal region. We have 1,400 Wires Down. Still a lot of tree issues and areas that are hard to access – we are working with the towns. The Muni call was successful. We've been achieving their priorities each day. All of the work packets are out. John Gonyon put together the priorities.

Posed for a good day today. John Isberg's group is handling the customer issues of folks stopping by and asking about our progress.

### **Marie Jordan & Jeff Merritt – South Shore Massachusetts**

We had a lot of activity last night. 281 fuse-level outages. 1 feeder is still locked out.

We still have a lot of work in Stoughton – very wooded areas. Pembroke also has a lot of damage.

20 additional crews have arrived. We will take whatever resources that become available. On track for all our main lines by Friday night, fuses on Saturday, all services on Sunday. We've got 85 crews working today.

### **Ken Lomax – Southeast Massachusetts**

Breakers open are in the southeast – and will be closed today. These are only open because we shifted resources to Foxboro. Mainline work will be done today. Huge presence in Attleboro and Rehoboth today as well as Douglas. We made a lot of headway overnight. Responded well to needs that came out of the Muni Room. We will hit all the top items today. We will be working on ETR's as well.

## **Muni Rooms**

### **John Isberg – Rhode Island**

We have a Muni call scheduled for today at 11:00 AM. Yesterday's call went well. REMA call at 1:00 PM. We are working with school superintendents. List of top 20 customers will be given to Mike and Kathy today. We are trying to maintain good will with all.

### **Joe Carroll -Brockton**

Good meeting last night in Norwell (Town Hall). The presence of added resources will be a welcome site to our customers.

**Dave Gendall**

We are trying to get set-up for the day. We have resources from North Andover and Worcester. We are trying to get out to the field to establish communications with the customers in critical areas. We want to get accurate information to all.

**Tree Crews – Anne Marie Moran**

335 crews in the South.

12 crews are left in NEN to wrap up Worcester and Spencer items.

We are working with Police and Fire – cleaned up what they were requesting.

We have a list of feeders that have been swept.

There is still a lot of line work needed in the field. We are pairing up crews with Ops to handle that. Our feeling is that a lot of the tree issues are gone and ready for the line crews.

We have a spreadsheet of where everyone is working.

**Customer Inquiry System – Nancy Concemi**

Customers are okay – but are getting a little impatient. Customers have been happy that we can update them with ETR's even though they may not like the date and time. The call volume has dropped significantly.

**ETR's – Darrin Hunt**

Working on data to help with ETR's.

IS is working on data request.

ETR's will be updated by noon today

Make sure – as you assign crews – you update the ETR's. This is critical!

**Resources – Walt Wojtanowski**

Finishing up Sub-T work and then those folks will be turned over to Distribution work.

5 crews being trained today for pole sets.

Transmission work up North will be returned to service today with more by the end of the day tomorrow.

10 crews from MJ Electric are here.

26 Hydro Quebec crews are on the way – they will be here to work tomorrow. More HQ crews will be released on Saturday and will be here to work both Saturday and Sunday.

**Northborough Control Room – Cheri Warren**

Things are going fairly well. We did not take down Power-On last night and it is working okay. Thanks for the ETR's very helpful.

**Logistics – Mary Fuller**

Staging sites are completely closed @ Rockingham.

CCRI - not all vehicles were fueled

Twin Rivers staging area has been expanded.

No box lunch issues.

Laundry services will be starting this evening.

No Stores issues.

We bedded 4,362 folks last night.

We have had some hotel issues with folks shifting where they are working. Reaching out to RI, MA, and eastern Connecticut for room availability.

**Damage Assessment – Rob Sheridan**

Phase II was completed yesterday. We are proud of everyone.

Ramping up in the Hopedale, Brockton, Providence and North Kingstown

**Call Wrap-Up – Chris Root**

We have 120 new resources coming in from outside. We are still trying to increase this number.

Tim Horan – this has been an all Department effort – everyone should be thanked for their efforts.

Need to get the remaining Verizon Central Offices operational today. Comcast needs to be prioritized as well.

**4 Big Issues Today:**

1. Safety
2. Communication
3. A lot of work today – big effort!
4. Keep Positive

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**September 1, 2011**  
**3:00 PM**

**Safety – Chad Martin – Vehicle Safety – Wear your Seatbelts & Get to the Job Safely!**

We did have a minor injury yesterday and 84 spills today.  
No injuries have been reported today. We have had a few near misses.

**Opening Comments – Chris Root**

Real issues versus our goals today. 98,000 customers still out in Long Island.

**Gas – Al Marsocci**

Approximately 23 additional crews have been trained for poles. 12 have been deployed with 11 on stand-by.

**Control Centers**

**Distribution – Mike Gallagher**

Restored the last station breaker. Looking good!

**Wires Down – Ellen Poyant**

1600 wires down calls in RI have not been assigned.  
Just over 400 in MA are unassigned  
We are making a lot of progress today and have no stand-bys in Massachusetts.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

We are working the priority list and the priority school list.  
Pumping station priorities will be completed in the next few hours.  
Quite a few schools in the Capital area are still out.  
Contractors are doing well. All Verizon Central Stations went back on yesterday.  
3 Phase distribution lines will probably be done by Saturday.  
Muni call went fairly well – couple of issues with some Nursing Homes.

**Kathy Lyford – Southern Rhode Island & Newport Area**

Mainline will either be finished tomorrow or Saturday. Things are progressing very well. Lots of crews are getting to the areas that we haven't been into yet. 50 more crews are coming which we will split with Mike Hrycin.



**Marie Jordan & Dan Bunszell – South Shore Massachusetts**

We are down to 15,447 customers out and have made a lot of progress since yesterday. Large sections of mainline will be back tonight. We should get to our goal of 10,000 customers remaining without service. We received 20 additional contractor crews this morning.

We also have 5 additional crews out of Malden – with 5 more coming. We may get 2 or 3 more tomorrow.

Verizon Facility in Whitman went back on this morning. Our Sunday goal should be achievable. We have 8 schools left and they should be picked up by the weekend. Liaisons are communicating all information.

**Wally McDonald – Southeast Massachusetts**

We have made a lot of headway here. We are working on all mainline now. We have 16,300 outages left.

Managing our contractor crews. Numbers should drop tonight.

Main Road in Rehoboth should be back soon. Check on number of schools out – per Chris.

**Muni Rooms**

**Joe Carroll - Brockton**

All the folks acting as liaisons rode around with the Stoughton Police Department today. They were able to see our folks out working and saw the numbers dropping and more resources coming in. They were very pleased.

**Tree Crews – Anne Marie Moran**

We have reached out to all the Field Construction Coordinators and Supervisors in Rhode Island. A few have requested more tree crews. A lot of tree stuff is getting wrapped up. Everyone is assigned and out working.

**Customer Inquiry System – Nancy Concemi**

The information on ETR's has been great. Thank you.  
We are taking all business calls at this point.

**ETR's Darrin Hunt**

We are working on our 2<sup>nd</sup> update right now – we should get it shortly.

**Resources – Fred Raymond**

Right now we have some crews tied up on transmission repairs in Harriman (probably until Saturday).

Hydro Quebec and WE Energy are sending in some crews.

We need Pole Lists with the Dig Safes, please.

4 to 6 Supervisors are coming from New York.

A few others are over at Twin Rivers.

**Storm Rooms – Bob Brawley**

Sometime tonight or tomorrow we will close the Worcester Storm Room.

**Logistics – Mary Fuller**

We are in good shape.

Fueling – will not be able to hit every site tonight.

We will put together a list of gas stations for crews to use.

We are bedding down folks in Connecticut tonight because these are closest rooms available.

Hotel rooms for Saturday will be a challenge – we may need cots. We are working on details.

**Damage Assessment – Rob Sheridan**

We are moving forward with our scattered outages reviews and are coming up with game plan for tomorrow.

**Call Wrap-Up – Chris Root**

Tim Horan – Muni call went fine – a couple of hot spots.

Deputy Secretary for DOE supported NGRID at a News Conference and spoke very highly about what we are doing.

**Goals:**

Doing fairly well.

Thank you everyone!

**Next call: 9:00 AM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**September 2, 2011**  
**9:00 AM**

**Safety – Chad Martin – Load Securing – Maintain on All Vehicles, Please!**

**Opening Comments – Chris Root**

I would like to congratulate everyone for a tremendous amount of work yesterday! Of the goals that we had set – we made all six. Our outages were cut down to half. 48,000 outages right now which is fantastic progress. We need a big day today to meet our end date of Sunday night. We are very happy with the teamwork going on. Also, we achieved all this with zero injuries.

**Today:**

Overall strategy today is to make a big dent in our mainline and try to get as much back as possible. We will work on single phase laterals as well. By Saturday night, all of our multi-customer outages need to be restored so that we can start doing services on Sunday.

**Goals:**

1. 15,000 outages by the end of the day today (5,000 MA & 10,000 RI)
2. ETR's – we need to get them updated twice
3. Wires Down problems in RI – need to get rid of stand-bys
4. Single phase laterals

**Distribution – Mike Gallagher**

There is nothing new to report from Control Center. We are taking the overflow calls from all of the areas – first to the Storm Rooms and then to us.

**Wires Down – Ellen Poyant**

The Local 369 folks that went to RI were for stand-bys.

We have 645 unassigned wires down calls in RI.

We have 57 active stand-bys – assigned to 25 restoration crews in RI.

We need everyone's lists of active stand bys so that they can be addressed, please.

We have reallocated Worcester and North Andover CMS folks to RI stand-bys and appraisals.

Inspectors will be reallocated to RI, as well, to help.

**Divisions**

**Mike Hrycin – Providence, Rhode Island & Somerset, MA**

We made a lot of progress yesterday and overnight. Capital area is working on ETR's.

46 schools were reenergized yesterday – 1 remains and will be energized today.

Mainline work in Scituate area is continuing. We have reallocated crews to restore quickly. Some other areas are Charlestown, Hopkinton, and Richmond. We are continuing clean-up in those locations. 90 additional crews should be arriving soon (this morning and early afternoon).

**Marie Jordan & Jeff Merritt – South Shore Massachusetts**

We had, at this time yesterday, 23,000 outages – we are now down to about 10,000. Reduction of about half or more for today is our focus. Outside crews were at 40 and we picked up 14 more. Lots of additional help is coming in from other areas as well. Also, we have taken our cut and clear crews and moved them to service restoration. Stoughton and Quincy areas have the highest outages – there is serious damage there. Our assessment crews are working on the 123 trouble calls. We got all of our schools back yesterday.

**Ken Lomax – Southeast Massachusetts**

6,500 outages at present. We are receiving and assigning the additional crews that are coming in today. Rehoboth is the hot issue – we are plugged into the liaisons there. ETR for them is end of the day today. We are utilizing the O&M crews for picking-up and reattaching services. We are working off of lists that have been checked. We are communicating with the wires down team and are responding to all of those issues – which are winding down as well. We are hitting all of our smaller outages. Mainline issues have already been addressed. We are confident with the Sunday goal. TPC in Norton is an issue which has been pretty well addressed. We have assigned a crew there for the remaining outages today. 2 schools are still out in Rehoboth – we will get them today.

**Muni Rooms**

**John Isberg-Rhode Island**

REMA is winding down and should close sometime today.  
We have a Muni call scheduled for 11:00 AM today. 20 towns gave us blanket permits yesterday.  
We are meeting with the folks in the high outage towns one-on-one today.  
We have placed a few of our people out at the staging sites to talk to the public about when they will be restored.

**Joe Carroll-Brockton**

Marcy Reed is going to Rehoboth and then to Bridgewater and Quincy today.  
Our folks have gone out to all of the cities and towns. We will be relaying our plans to all of them today.

**Tree Crews – Anne Marie Moran**

Only 65 tree crews left in New England North and they are doing sweeps.  
There are 336 tree crews in New England South.  
We have 29 transmission [tree] crews in New England. We are going to free up some for ground patrols. Some of these are still doing sweeps – some are still aligned with line crews.

**Customer Inquiry System – Nancy Concemi**

The Call Center has quieted down.  
We are receiving normal business calls now.

**ETR's Darrin Hunt**

One communication going out at 10:00 AM to the ERoom and then again at 3:30 PM today. ETR's are 'key communications' for the Company.

**Resources – Fred Raymond**

There were a couple of outages overnight that were not related to the storm. TLS is responding to them today. We are looking at pulling some of our folks over to Distribution for assistance and will be reaching out to the Learning Center for training.

**Northborough Control Room – Cheri Warren**

We worked with IS on getting ETR's on time. Power-on and Portis are up and running right now.

**Logistics – Mary Fuller**

There were no issues at the Staging Sites last night or with Stores or Fleet. We bedded down 4,070 last night and all locations were fueled. We expect challenges for tonight with booking rooms for all the additional crews. We may be bussing folks to hotels 1½ hours away. We have a new location in RI for putting up the crews - the Recreation Center.

**Damage Assessment – Rob Sheridan**

Yesterday we field investigated items from Power-On. No-service and in-service calls are being looked at by our damage assessors. We are asking Ops folks to stay in touch with the damage assessors in your area. This is key to us staying ahead of the crews so that we can assign them to an area that we have already inspected.

**Call Wrap-Up – Chris Root**

Digging crews are out there – please use them – they are a great resource, per Mike McCallan.

On moving crews between the States – we need to charge the area they are working on, per Brian McNeil.

Vacations have not been cancelled for next week.

Overtime policy is being looked at as well. We are working with H/R on the overtime policy.

Have a good day, a safe day, and communicate, please!

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**September 2, 2011**  
**3:00 PM**

**Safety – Chad Martin – Keep Focused and Stay Strong!**

Had an employee fall asleep behind the wheel driving home last night. We need to make sure that all of our employees are okay before driving. As of midnight we had zero injuries reported.

105 spill sites.

House fire in Seekonk is under investigation. A house fire occurred while we were re-energizing Seekonk. We do not know if it was related. Legal will investigate.

**Opening Comments – Chris Root**

Per Mike McCallan – RI @ 25,000 customers without service and MA @ almost 13,000 customers without service at this point according to the PORTIS system

**Wires Down – Ellen Poyant**

In RI we are down to 181 calls that have not been looked at as yet there are also 70 stand-bys. May have to free up some crews to look at these, per Chris.

We are working on a plan to reduce these numbers with Kathy and Paul, per Chris.

Working with cut and clear groups on restorations.

**Divisions**

**Paul Sibley – Providence, Rhode Island & Somerset, MA**

We continue to keep working – still concentrating on Chopmist (7,000 outages).

Trying to get all of the mainline back before the end of the night.

Crews coming on at 10 PM will go to Chopmist.

Bristol, Warren, and Barrington side taps will be done today.

Adjusted our ETR's so that they were up-to-date.

Got 2 schools and 4 pumping stations going today.

There is 1 nursing home right at the Connecticut line and 1 school in Scituate that we hope to get going tonight.

Chris Rooney gave us a lot of tree support.

**Kathy Lyford – Southern Rhode Island & Newport Area**

Picked up about 6,000 customers since this morning.

We also have some mainline and side taps that we are continuing to pick up.

Major feeder areas – we've gotten to 4 at this point. Have approximately a dozen outage locations that crews have been working on for the past 3-4 days – we are adding more crews to those areas. Very slow going due to all the downed trees. All of the schools are back.

Nursing homes – working on 2 – both should be back by tonight.

**Marie Jordan & Jeff Merritt – South Shore Massachusetts**

Pretty happy to say that we have almost reduced customers without service to 5,000.  
Picked up a lot of contractor crews – working on side taps.  
18 cut and clear crews have been turned into restoration crews.  
They've been making great headway – cleaning up a lot of things that we usually struggle with at the end of the storm. Numbers should drop even more this evening.  
Night crews will be working on smaller issues.

**Ken Lomax – Southeast Massachusetts**

Just over 5,070 customers left. Not all the restoration has been called in as yet.  
Should not have any large outages needing significant crew contingency. We should be working on transformers or single phase customers tomorrow. 60-70 wires down calls.  
Muni call went fine. Community officials are out and talking to the crews. We are trying to respond to all of their requests. Still on target for Sunday.

**Muni Rooms**

**John Isberg – Rhode Island**

11:00 AM Muni call went well.  
1:00 PM REMA call went well too.  
Talking to the Nursing Homes daily as well as all of the other major customers. They appreciate the updates.

**Joe Carroll Brockton**

Smoothing things over with muni's  
Looking for list of single outages from the engineering folks.

**Dave Gendall Hopedale**

Slow going but we are making a lot of progress.

**Tree Crews – Anne Marie Moran**

No updates.

**Customer Inquiry System – Nancy Concemi**

Calls have dropped a lot. All calls are normal business now.

**ETR's Darrin Hunt**

A lot of folks got us information ahead of schedule. Thank you.  
Make sure as we are assigning packages to Field Construction Coordinators, update the ETR's.  
Getting a lot more granular today to keep things updated.

**Resources – Fred Raymond**

No updates.

**Northborough Control Room – Cheri Warren**

Wires Down calls are now being handled in the Northboro Control Center  
Police and Fire calls are way down in numbers.  
We have a number of folks in here checking numbers in Power-On.  
Outage Central – any orders in Power-On today – assessing recording has issues.

**Logistics – Mary Fuller & Neil Proudman**

Between additional crews and the reduction in the availability of hotel rooms, we will be bussing about 500 folks tonight – mostly tree crews. The longest distance will be about 1½ hours away.

As we get closer to the holiday weekend, we expect to have more difficulty securing hotel rooms, but we have a back-up plan in place. We reached out to the Dunkin Donuts Center and will set up cots there. They are giving us access to all locker rooms and other amenities. Can fit about 30 trucks in a certain area of their parking lot, as well. They've been extremely generous and cooperative to deal with.

**Damage Assessment – Rob Sheridan & Bob Brawley**

Finishing up field inspections on no-services and in-services today.

Packaging work packages for delivery first thing in the morning.

Also including outages from Power-On tonight.

Preparing feeder prints for feeder sweeps at the end of the storm.

Tomorrow morning will be a work package day just like any other work day.

Packages will have a Power-On number to call when they are done.

When we run out of packages and work – we have prepared feeder sweeps packages (Storm Room will have them).

**Call Wrap-Up – Chris Root**

Trying to house the line crews closer to where they will be working so we may bus the tree crews to the more distant hotels, per Chris.

6 crews from Oklahoma and 11 from Hydro Quebec reporting to the different staging areas in RI tomorrow, per Mike McCallan.

Hydro Quebec crews do not work live lines as part of their rules. Crews from Hydro Quebec are required to be on work that has been deenergized and grounded. Best to give them this type of work. We are grateful to have them and want them to be comfortable with what they are working on, per Chris.

Interview on Channel 10 today – a lot of good press should follow, per Tim Horan.

Be safe tonight – everyone is tired. Thank you!

**Next call: 9:00 AM tomorrow**



**Regional Storm Call – Hurricane Irene**  
**September 3, 2011**  
**9:00 AM**

**Safety – Chad Martin – Encourage Everyone to Focus on Protecting Each Other and the Public. Keep up the Work Ethic and Continue with the Right Safety Decisions! Great Job and Let's Finish Strong!**

We had a couple of near misses yesterday. Need to go slow on services and be especially careful. A reminder to all that pole disposals cannot be placed in dumpsters – this is an environmental issue.

**Opening Comments – Chris Root**

Yesterday, we got good messages out and got a tremendous amount of work done. Our average over the last 4 days is over 100,000 customers restored each day! We have done great things so far but we are still not done.

We still have 12,000 customers that are without service and are feeling pretty lousy now. Our goal is to get to everyone in Massachusetts today and the last folks in RI tomorrow. Need to focus on the remaining Wires Down today, as well, so that we can close that aspect of the restoration effort.

**Today's Goal:**

100% in MA and 99% in RI

**Control Centers**

**Distribution – Mike Gallagher**

All of Massachusetts Crew Dispatching except for Southeast and South Shore have been returned to the Control Center now.

**Wires Down – Ellen Poyant**

We have no open orders in RI now.

51 active stand-bys in RI – everything has been looked at. Coordinating with Storm Room to address all issues.

In MA, Wires Down was transitioned in the local Storm Rooms.

No open orders or stand-bys in the South Shore.

Working with service restoration crews as well.

Our focus is Rhode Island today and we will stay in touch with Jeff regarding Brockton.

**Divisions**

**Paul Sibley – Providence, Rhode Island & Somerset, MA**

As of right now 7,200 customers are without service in the Capital District – of those, 5,300 are in Chopmist. We have 35 crews up there working now. More crews are coming. We may put 100 crews there today. CDC delivering poles to Chopmist for us. Utilizing some Gas resources to dig pole sets. Good news is we got all the mainlines on by 9:30 PM last night. Got the last nursing home on this morning. We will get the last school today as well.

East Bay in Providence and Lincoln down to 600 customers. Crews are out there with the work packets. Should be down to low numbers by the 3:00 PM call today. 42 Wires Down calls assigned – 20 to the Troublemakers – the other 22 were to Chopmist. Wires Down will be done by the end of the day. Four 4-man crews out of Orlando are coming your way, per Mike. We will be sending crews to you for Chopmist all day today as folks are freed-up, per Chris. Chopmist and scattered side taps/transformers should be our only issues for tomorrow. We will make an effort to get all Wires Down cleared-off by tonight.

**Ray Rosario for Kathy Lyford – Southern Rhode Island & Newport Area**

We had a really good day yesterday – we picked up 7,000 customers, as well as all mainlines. We expect to pick up all side taps today. We should have all of East Bay Area cleaned up today. Tim O’Leary came with 12 Worcester crews this morning. They will do scattered outages this afternoon. We will start to distribute trouble calls to our local crews. Within the next hour we will have everything assigned. With all of the crews we have, we will get everyone back by tomorrow. Any doubt on not being able to make tomorrow’s date, please call Mike McCallan, per Chris.

**Marie Jordan & Jeff Merritt – South Shore Massachusetts**

Some good news – down to 1,100 customers without service. We made significant progress through the night. Today going through the scattered outage calls. Great crew compliment. Service restoration crews made significant progress on outages. We will continue with that today along with single side taps and scattered calls. We’ll be working on a demobilization plan. Made commitment to the towns to keep the staffing in place to commit to the restorations. Working with Wires Down, as well, to close that issue. We should get all 1,100 back today! Critical care customers have all been restored.

**Ken Lomax – Southeast Massachusetts**

Things in Hopedale are well. We are in the 600’s for outages this morning. Packages sent out today addressed all the issues we have. Doing feeder sweeps and all 600 will be completed today. We released 6 crews (NGRID) to RI today. As we complete, we will get in touch with Mike McCallan to release more.

**Muni Rooms**

**John Isberg – Rhode Island**

We have a Muni call at 11:00 AM and are learning what we can do better each day. We are doing a lot of outreach prior to the call to address any issues, including reaching out to the Scituate officials. Calling all the remaining customers on our lists. When all the schools are back on, Mike Ryan will close the loop with the Lt. Governor.

**Joe Carroll - Brockton**

Brockton Muni call at 11:00 AM regarding expectations and demobilization. Hopedale Muni call at 2:00 PM – focus on the last 4 locations. Message will be gotten out that we will be finished today. Liaisons will still be in and working on the demobilization plans. Need to follow procedure when shutting down. Need to let Mike McCallan know so that he can grant permission and then we can log it, per Chris.

**Dave Gendall -Hopedale**

Everything is going fine here. Keeping a close look at Wrentham and Rehoboth.

**Tree Crews – Anne Marie Moran**

We have released 104 tree crews. We will be releasing another 68 tree crews at 9:00 AM this morning, and another 40 tree crews will be released after lunch. We have 49 crews planning to work all day – lodge them over in Connecticut tonight – and will release them in the morning.

Local crews in and doing sweeps and line requests. Also doing customer requests.

We will talk to Mike about when to release our local crews.

Any needs, please call the Storm Room here in RI. We are ready to assist in any way.

**Customer Inquiry System – Nancy Concemi**

Messaging is good. Majority of calls now are from RI. Working on scripting for outbound calls.

**ETR's – Darrin Hunt**

Getting update now for 10:00 AM and will get that to the ERoom. We will make a lot of progress today.

**Resources – Fred Raymond**

All Sub-T lines are back – great effort in a few days, per Chris.

Transmission crews are in distribution service restoration training now – will give Mike a crew count.

5 crews are now available. Last of transmission circuits went back to normal last night.

Transmission system is normal now.

**Logistics – Mary Fuller**

No issues at staging sites with Fleet or Materials last night. No significant issues with Forestry last night.

Line crews had a few issues with hotels, specifically, some of the hotel rooms were sub-standard and we will not use them tonight.

We are short on rooms and need to have 2 people per room whether they are management or union. Right now, we need an additional 650 rooms. We are calling folks hotels RI and MA for rooms and are investigating other alternatives. We have 300 cots in the Dunkin Donuts Center tonight in Providence. Due to this deficit, we may need crews that live an hour away or less to go home tonight, per Chris. Tomorrow is not an issue – there is enough capacity at the hotels.

**Damage Assessment – Rob Sheridan**

We have folks in Hopedale, Brockton, and Rhode Island again today.

Need to know the date and time as we break down from office to office, per Mike McCallan. Released all of our contracted resources last night. In Hopedale our folks are out on the road trying to help with the miscellaneous items. In RI we are assisting on the in-service and no-service calls. 260 packets made up last night and handed out.

**Call Wrap-Up – Chris Root**

My big picture plan is that everyone can be home on Monday for the Holiday.

Ellen Smith – Your team has done an unbelievable job! Great effort by everyone. Thank you all!

Will talk about demobilization at 3:00 PM today.

Great job and have a safe day today!

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**September 3, 2011**  
**3:00 PM**

**Safety – Chad Martin – Focus on Generators – Listen before You Begin Working!**

Zero injuries today. Make sure everyone is focused particularly on services. Dunkin Donuts Center, from a Safety perspective, has been set-up perfectly. Great job to all that were involved in those arrangements. Keep an eye on driving as folks begin demobilizing – everyone is tired.

**Opening Comments – Chris Root**

Very pleased where we are at this point. Make sure folks do not get hurt – everyone is very, very tired. Total number is under 7,000 at this point, per Mike McCallan.

**Wires Down – Ellen Poyant**

Slowing down. 150 wires down orders in the system. No new ones. 28 stand-bys. Make sure that all stand-bys are out of here today – none tonight, per Chris. RI is the only Wires Down Room open at this point. Would like to stop creating new wires down and transition all to the Control Room.

**Divisions**

**Paul Sibley – Providence, Rhode Island & Somerset, MA**

45 Hydro-Quebec crews just showed up and we put them to work. Also have 90 line crews in the Chopmist area – down to about 3,550 at this point. Other areas are going along smoothly (140 in Lincoln, 220 in Providence, and 300 in the East Bay). Local resources and contractors in those areas. Numbers should be down this evening. The one remaining school should be up in about 2 hours. No other critical customers are out. We have 15 Wires Down calls that have not been assigned yet – in the Gloucester and Scituate area. Providence and Lincoln should be cleaned-up tonight. East Bay number will be down as well – we will be chasing services all day/night there. Hoping to get as many of the side taps, as we can, today.

**Kathy Lyford – Southern Rhode Island & Newport Area**

Down to 2,400 customers. We have all of our work covered. Contacted all of the Field Construction Coordinator's in the field and they feel they can cover all of the remaining work. Small side taps and feeder sweeps being done. Still finding small pockets of things that we will do tomorrow. Would like to keep the crews we have to do the remaining clean-up. We may be able to release a handful of contractors. Tim O'Leary has been here with a dozen crews and Tim is also managing the Wires Down – down to about 8 now. Hope to release his crews at 6:00 PM tonight. They will come back down tomorrow to help with other work. East Bay areas are completely cleaned-up.

**Marie Jordan & Jeff Merritt – South Shore Massachusetts**

We have 5 outages that have more than one customer. Crews are working on them. All other outages are single ones. 166 total customers out at this point. Restoration effort will be done for those 166 by 10:00 PM tonight. As crews come in we will contact Mike McCallan for them to be re-assigned. We will be doing feeder sweeps and clean-ups tomorrow.

**Ken Lomax – Southeast Massachusetts**

As we are clearing off of the packages, we will get in touch with Mike McCallan. Our out-of-service calls should be done by 10:00 PM. 20-22 local crews coming in, in the morning. They will be available to go to RI if necessary.

**Muni Rooms**

**John Isberg – Rhode Island**

Muni call was a non-event only 4 towns called in. Met with the Chopmist area folks. Muni room has had very low activity all day (2 calls). We may shutdown @ 11:00 PM tonight.

**Joe Carroll - Brockton**

Brockton muni call @ 11:00 AM went okay. Hopedale @ 2:00 PM was also okay. Both rooms will close tonight at 6:00 PM. All notifications have been made. We will send all information to Mike McCallan.

**Tree Crews – Anne Marie Moran**

FYI – 49 contractor tree crews on the property now. These tree crews will be lodged over in Connecticut this evening and will be released in the AM. 73 local crews on tomorrow in New England South. Staff in Lincoln will be available dispatch crews tomorrow as necessary.

**Customer Inquiry System – Nancy Concemi**

Doing fine. Kudos the team working on the ETR's.

**ETR's – Darrin Hunt**

We've been monitoring numbers all day. Getting information from the Field and will make all of the adjustments from North Andover. We may shutdown the ETR special room tonight, per Chris.

**Resources – Fred Raymond**

Transmission contractor crews are working Distribution. Transmission crews are available, if needed for tomorrow.

**Storm Rooms – Bob Brawley**

Slight modifications from earlier. South Shore and Southeast have a night shift coming on at 6:00 PM tonight. In-services management will be going on. A few extra folks are coming in at 6:00 AM to help with transition plan. There are also extra folks up in the Northborough Control Room. RI has a full night shift and a day shift coming in tomorrow. We are not planning on a night shift in RI tomorrow. Bob will work on the Wires Down shutting down and transitioning back into the Control Room, per Chris.

**Northborough Control Room – Cheri Warren**

In demobilization mode now.

**Logistics – Mary Fuller**

Big thank you to everyone – closed our deficit of 350 rooms.

Additional 200 cots coming to the Dunkin Donuts Center, just in case!

Putting together a demobilization plan.

**Damage Assessment – Rob Sheridan**

Winding down and demobilizing in all areas as of 6:00 PM tonight.

Will get together on Tuesday to gather any work packets that have been returned.

Also will figure out the return of the rental vehicles.

**Call Wrap-Up – Chris Root**

Mike McCallan – Working with the Contractor folks – may move some Alliance contractors down to RI tomorrow. Working on a strategy on who will be released from MA and when. 18/6 has stopped in NS & MV. May possibly stop the 18/6 with the rest of MA @ 10:00 PM tonight.

**Local Crew Update:**

20 in South Shore

20 in South East

All RI crews are working.

12 crews from Worcester down here working

6 crews from the West are working with Paul Sibley

Tim Horan – Made a ton of progress today. Would like to get finished tomorrow so folks can have Monday off. Thank you to all.

Overtime will be paid to Bands D, E, & F. Please be honest when entering OT!

Plans are being made to do something for Band C's.

Everyone is tired – driving is an issue – please be careful!

Cannot thank you all enough.! Good luck tonight!

**Next call: 9:00 AM tomorrow**

**Regional Storm Call – Hurricane Irene**  
**September 4, 2011**  
**9:00 AM**

**Safety – Chad Martin – Decisions on Final Stretch**

Let's make sure about going slow, making consistent decisions, and not rushing.  
Everyone is tired. Make sure we are making good safety decisions – no shortcuts!

**Opening Comments – Chris Root**

I am very pleased to report that we've done extremely well from the Safety front. Let's continue with that today.

**Yesterday's Results:**

Declared victory in Massachusetts at 10:00 PM last night.

**Today's Goals:**

Need to insure that RI gets cleaned-up today. Demobilization plan needs to get done.  
Would like to declare victory in RI at 3:00 PM – that is our target.

**Control Centers**

**Distribution – Mike Gallagher**

In the Control Center we have dispatch and control of all areas in NE with the exception of RI.

Wires Down calls already gone back to the Storm Rooms in Southeast and South Shore.

**Wires Down – Ellen Poyant**

Closed the Wires Down room in RI. Stand-bys gone.

Official business with CMS is closed, per Chris. The Control Room will close the Wires Down orders on the system, per Mike Gallagher.

**Divisions**

**Paul Sibley – Providence, Rhode Island & Somerset, MA**

The good news is that we are down to around 500 customers without service. 223 customers are without service in the Chopmist area. All active outages have a crew assigned to them except for 6 in Chopmist. A big concern is that we have a lot of outage calls in the system. Wally McDonald is offering to send up some Somerset crews. Sent out the O&M crews this morning to check on the cut and clear calls. Have not released anyone as yet. If we wind this down by 3:00 PM, we are still going to keep our troubleshooters on to chase the trouble calls. Big concern is the in-service and no-service calls – don't want to be chasing ones that are already done and not cleared in the system. We could use 4 crews and a supervisor for Chopmist (possibly from Hopedale). Mike McCallan will arrange for the crews from other areas. By 3:00 PM should be down to scattered outages.



**Kathy Lyford – Southern Rhode Island & Newport Area**

Doing well. Right around 500 customers without service in two small areas of trouble. The other remaining crews (130) are out doing feeder sweeps. Checking for any other damage as well. By the end of today, all feeders will be swept. Expect to be cleaned up by 3:00 PM. Worcester, South County, and Middletown crews are here working with us.

**Marie Jordan & Jeff Merritt – South Shore Massachusetts**

Last night we finished up and are just maintaining the small single-type calls coming in. Transitioned everything up to Dispatch last night. Kept all crews on through the night. Other crews are out doing feeder sweeps in the hard-hit areas. Waiting to hear what you would like to do with RI as far as sending crews.

**Ken Lomax – Southeast Massachusetts**

Very similar to what Jeff said. Kept all the overhead crews last night. Released all of the Contractor crews. Want to hand back over your responsibilities to Jeff, please work out a time and send an e-mail to myself and Mike McCallan, per Chris. Need to clean-up the IDS paperwork.

**Muni Rooms**

**John Isberg – Rhode Island**

No issues – just standing by.  
Last school is on and the Medical Center as well.

**Tree Crews – Anne Marie Moran**

Final releases this morning. 61 local crews on property – 10 in the old Bay State South region. 37 crews throughout RI. All are being dispatched through Northborough except Rhode Island (through Lincoln). Anyone not assigned is on sweeps.

**Customer Inquiry System – Nancy Concemi**

Very few calls. No problems with the Center at this point.

**ETR's – Darrin Hunt**

Still being updated.

**Resources – Mike Szczepanek**

Started releasing folks yesterday. Released some in MA already. Raynham and Marlborough sites are shutdown. We will work with Mike McCallan about a game plan in RI. We will let Mary Fuller know when we are releasing crews so that she can know about the number of rooms needed, if any, for tonight.

**Storm Rooms – Bob Brawley**

We had a very good night. Damage appraisals is shut down and all of the packages were delivered to the staging sites last night. Demobilization is not complete until paperwork is in. Please remind all of the staging sites.

**Logistics – Mary Fuller**

We will work with Mike McCallan on coordination of the crews. We have plenty of rooms for tonight. We would like to know how many rooms we will need by noon. Restaurants will be open today for the Local crews.

**Call Wrap-Up – Chris Root**

Will release all the contractor crews in Massachusetts today.  
No accidents between now and 3:00 PM.  
Extra folks will be on tonight for clean-up.  
Hoping to let everyone have the day off tomorrow.  
Fantastic effort – not done until the last customer is on!  
One more day – keep focused!  
Thank you all very much for everyone's efforts so far.

**Next call: 3:00 PM today**

**Regional Storm Call – Hurricane Irene**  
**September 4, 2011**  
**3:00 PM**

**Safety – Chad Martin – People Driving Home**

Please be sure that everyone is okay to drive home. Please focus on that and talk to folks prior to driving. 109 oil spills reported – 106 confirmed (environmental).

**Opening Comments – Chris Root**

Good afternoon everyone – I'm happy to report that this should be our last call. Overall doing extremely well – a handful of customers, found with our sweeps, still left in RI. We have enough crews in to cover all outages right now.

**Control Centers**

**Distribution – Mike Gallagher**

Staff on today and tonight to take everything back to the Control Center. Imperative that we have the crew sheets and that everything is reflected on the screen. Plan for 6:00 PM transition, per Chris.

**Divisions**

**Paul Sibley – Providence, Rhode Island & Somerset, MA**

38 no power calls – 19 in Chopmist. All have been assigned. 47 in-service calls – 36 no-service calls. 33 contract crews and local crews from Monson, Hopedale, Somerset, and Pascoag still working. We plan to bring back in the crews that were scheduled to come in at 10:00 PM tonight and work them to about 6:00 AM tomorrow morning. We also will have our Troublemakers in. Everything looking good to having everyone back by 6:00 PM tonight. Might be able to send the 4 Somerset crews over to Kathy – Mike McCallan will take care of.

**Kathy Lyford – Southern Rhode Island & Newport Area**

32 contractor crews left plus the 12 Worcester crews and the 17 South County crews. 19 single outages. Some are covered and some are not at this point. As crews are freed-up they will be available to cover. Will have a short shift, as well, tonight 10:00 PM to 6:00 AM. We have folks on pagers tomorrow (holiday). Released 80 or so crews at 2:00 PM today. Hoping to have every customer back by 6:00 PM tonight.

**Resources – Mike Szczepanek**

Finished the 2<sup>nd</sup> phase demobilization of crews. We just need to work with Paul and Kathy and then we will be ready to release the contractor resources.

**Storm Rooms – Bob Brawley**

We have a process and procedure to return the crew dispatching back to the Northboro Control Center – need to update Power-On with all crew information. 6:00 PM should be the targeted time.

**Logistics – Patrick Burns/Lynne Larson**

All stock has been removed from Marlborough & Raynham. No stock will be left unattended at any site. All sites will be totally cleaned up by Tuesday morning, per Patrick Burns.

We kept some rooms in the Providence area that we couldn't cancel and we are leaving them open in case anyone does, in fact, need a room tonight.

**Call Wrap-Up – Chris Root**

Tim Horan – Great progress today. Let's finish up the rest and then everyone can enjoy a day off tomorrow. Thank you to all.

Ellen Smith – Would like to tell everyone that I am proud of the job that we have done. After the holiday, we will be capturing the "lessons-learned" from everyone involved in the restoration effort so that we will be better prepared for the next event. Thank you all for your efforts!

Tremendous effort to restore more customers than ever recorded with our Company. We finished strong! Please make sure you do all of the paperwork today/tonight for regulatory purposes.

Take a deep breath tonight and then enjoy Labor Day tomorrow.

Please thank your family tomorrow, on behalf of the Company, for your efforts on 7+ days of work on the restoration effort!

Thank you everyone – I am extremely proud!

Division 1-5

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide:

- a. Meetings and communication of SRT, TRT, System Incident Commander, Branch Directors.

Response:

Please see pages 2-3, 12-14 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

- b. Event Classification Level.

Response:

Please see pages 12-13 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

- c. Emergency Response Process, outline the response management structure and which functions were operating on the regional or local operational level. Location and function of the emergency operation centers (EOC).

Response:

Please see pages 12-14, 18-25, 29-31 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide:

- d. Available and mobilized construction crews, indicate the origin of crews whether these are National Grid regional, transferred from another National Grid region, National Grid contractors, mutual assistance utility crews, or outside contractors.

Response:

Please see pages 15-18, 22-23, 29-31, and Attachment 11 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

- e. Damage Assessment, indicate the number of damage assessors, percentage of system given a Phase I and II assessment, estimated restoration crew-hours, and estimated restoration time.

Response:

Please see pages 25-33 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide

- f. Total Customers out of power, customers restored, critical facilities and life support customers affected. Indicate the date and time of the first and last Hurricane Irene related outage.

Response:

The total customers interrupted was 359,569. The peak number of customers interrupted (at a coincident time) was 272,761. The first interruption was on 08/28/2011 at 02:03 a.m. and the last interruption was restored on 09/05/2011 at 11:45 p.m. Customers restored by day are shown in the table below.

Date	Customers Restored
8/28/11	86,491
8/29/11	107,846
8/30/11	50,518
8/31/11	52,322
9/1/11	27,566
9/2/11	19,828
9/3/11	11,207
9/4/11	3,139
9/5/11	652

Division 1-5 (continued)

During the storm, 1,620 (out of 2,469) critical facilities and 615 (out of 750) life support customers were affected. A day by day view of critical facility and life support customer interruptions will be provided in a supplemental response.

Please also see pages 7-12 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

- g. Number of live wires and extreme hazard outages. Estimated crew-hours to address hazardous conditions.

Response:

Attachment 1 DIV 1-5(g) provides a listing all of the wires down calls from August 28 to September 4 at midnight, including calls from police & fire and all others.

Attachment 2 DIV 1-5(g) provides a listing all of the wires down orders from August 28 to September 4 at midnight. Orders may contain one call or several calls if PowerOn is able to associate the calls with a related section of a feeder. The Company assigns jobs by PowerOn orders.

Attachment 3 DIV 1-5(g) provides a listing of police and fire calls during Irene. The following is a breakdown of the total number of calls and calls per day:

Total police and fire calls = 3021  
Police and fire standby (Y) = 533  
All other police and fire calls = 2488

Broken out by day:

8/28/2011 = 1067 (246 with standby)  
8/29/2011 = 1325 (177 with standby)  
8/30/2011 = 262 (42 with standby)  
8/31/2011 = 178 (34 with standby)  
9/1/2011 = 72 (13 with standby)  
9/2/2011 = 64 (8 with standby)  
9/3/2011 = 42 (7 with standby)  
9/4/2011 = 11 (6 with standby)

The Company does not track crew hours.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley



Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide

h. Total Substations out of power, substations restored, feeder lockouts.

Response:

The table below shows the number of substation out of power, substations restored and feeder lockouts by day.

Date	Substations out of Power	Substations Restored	Feeder Lockouts
<b>08/28/2011</b>	37	10	206
<b>08/29/2011</b>	0	20	3
<b>08/30/2011</b>	0	3	4
<b>08/31/2011</b>	0	4	1
<b>09/01/2011</b>	0	0	1
<b>09/02/2011</b>	0	0	1

Please see also the response to Division 1-12 and Attachment 5 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide:

- i. Total transmission and sub transmission line sections out of power and number of customers affected by each transmission line outage

Response:

The table below contains Data reported from Interruption and Disturbance System (IDS) as of 11/11/11.

Classification	Date	Events	Restoration Steps	Customers Interrupted
Transmission or Sub-Transmission	08/28/2011	19	276	90587
Transmission or Sub-Transmission	08/30/2011	1	2	614
Transmission or Sub-Transmission	08/31/2011	1	3	762

Please see also the responses to Div 1-12, Div 1-14 and Attachments 2 and 3 of the Company's 90-day Storm Report on its damage assessment and restoration efforts in connection with Tropical Storm Irene, submitted on this date in Docket 2509 (Storm Contingency Fund).

- j. Total primary three-phase distribution line sections out of power and number of customers affected.

Response:

The table below contains Data reported from Interruption and Disturbance System (IDS) as of 11/11/11.

Division 1-5 (continued)

Classification	Date	Events	Restoration Steps	Customers Interrupted
3 Phase Primary	08/28/2011	203	459	205020
3 Phase Primary	08/29/2011	37	39	7487
3 Phase Primary	08/30/2011	24	28	6586
3 Phase Primary	08/31/2011	14	16	4016
3 Phase Primary	09/01/2011	9	9	2806
3 Phase Primary	09/02/2011	7	8	1475
3 Phase Primary	09/03/2011	6	6	742
3 Phase Primary	09/04/2011	3	6	1703
3 Phase Primary	09/05/2011	3	3	504

k. Total primary single-phase line outages.

Response:

The table below contains Data reported from Interruption and Disturbance System (IDS) as of 11/11/11.

Classification	Date	Events	Restoration Steps	Customers Interrupted
1 Phase Primary	08/28/2011	242	377	19572
1 Phase Primary	08/29/2011	40	48	1431
1 Phase Primary	08/30/2011	63	64	1291
1 Phase Primary	08/31/2011	53	55	1225
1 Phase Primary	09/01/2011	33	36	991
1 Phase Primary	09/02/2011	31	31	686
1 Phase Primary	09/03/2011	39	39	420
1 Phase Primary	09/04/2011	4	4	128
1 Phase Primary	09/05/2011	3	3	72

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide:

1. Total secondary line outages. Number of customers with damage on their part (requiring the use of form NG0023).

Response:

The table below contains Data reported from Interruption and Disturbance System (IDS) as of 11/11/11.

Classification	Date	Events	Restoration Steps	Customers Interrupted
Secondary	08/30/2011	366	368	1532
Secondary	08/31/2011	279	279	783
Secondary	09/01/2011	255	255	664
Secondary	09/02/2011	182	187	510
Secondary	09/03/2011	147	148	265
Secondary	09/04/2011	55	55	222
Secondary	09/05/2011	41	41	72

There were 295 reconnects required in Rhode Island after customers had repaired damage to their own equipment.

- m. Number of broken poles and damaged transformers.

Response:

Please see Section IV “Damage Appraisal,” pages 25-29, and Attachments 8 and 9 of the Company’s 90-day Storm Report, submitted on this date in Docket 2509 (Storm Contingency Fund) regarding its damage assessment and restoration efforts in connection with Tropical Storm Irene.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Division 1-5 (continued)

Request:

Provide a detailed timeline of the emergency response beginning with the first meeting or conference associated with the start of the storm planning process to restoration of the last customer affected by Hurricane Irene. For each day preceding and during Hurricane Irene, provide:

- n. Number of line sections requiring tree crews, or tree trimming before electric restoration.

Response:

National Grid's Forestry department responded to almost 800 specific tree related trouble calls over the entire restoration event between 8/28/11 and 9/4/11. Separately, the Forestry group performed storm related tree work on all affected feeders across Rhode Island. The impact of the tree damage ranged from small and/or medium limb breakage to large limb and/or entire tree failure. This type of tree damage was encountered at numerous locations where both primary and secondary infrastructure were impacted. With the primary focus being on restoration, and given the variability and volume of the tree related conditions, the details of each tree related incident relative to location and impact are not captured and therefore unavailable.

Division 1-6

Request:

Provide copies of any reports, databases, and logs utilized in the outage management and restoration process for each day of the storm recovery.

Response:

See Attachment DIV 1-6 for Outage Reports by Day/Time. See also the Company's response to Data Request DIV 1-4.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

**General Outage Information**

UTILITY CODE: **1004**  
UTILITY NAME: **NMPC**

TOTAL CUSTOMERS INTERRUPTED: **124,278** 1000 hours

**General Outage Information**

REPORT DATE: **08/28/2011**  
REPORT TIME: **10:00**

Crew Area	Total Customers Interrupted	Customers Predicted as Interrupted	Customers Confirmed as Interrupted	Customers Served	% of Total Customers Interrupted	Active Outages
Chopmist	15,807	15,683	124	19,729	80.12%	76
Lincoln	22,625	22,625	0	106,076	21.33%	290
Middletown	2,302	2,302	0	45,767	5.03%	150
North Kingstown	36,621	32,393	4,228	105,429	34.74%	304
Providence	24,911	19,361	5,550	117,103	21.27%	184
Warren	14,473	12,389	2,084	44,680	32.39%	111
Westerly	7,539	7,539	0	41,429	18.20%	132

General Outage Information

UTILITY CODE: 1004  
UTILITY NAME: NMPC  
TOTAL CUSTOMERS INTERRUPTED: 166,915 1112 hours

General Outage Information

REPORT DATE: 08/28/2011  
REPORT TIME: 11:12

Crew Area	Total Customers Interrupted	Customers Predicted as Interrupted	Customers Confirmed as Interrupted	Customers Served	% of Total Customers Interrupted	Active Outages
Chopmist	19,660	19,291	369	19,729	99.65%	60
Lincoln	33,328	32,757	571	106,076	31.42%	197
Middletown	7,575	7,575	0	45,767	16.55%	287
North Kingstown	39,654	35,382	4,272	105,429	37.61%	305
Providence	33,519	27,969	5,550	117,103	28.62%	196
Warren	20,282	18,198	2,084	44,680	45.39%	110
Westerly	12,897	12,897	0	41,429	31.13%	134



### General Outage Information

UTILITY CODE: **1004**  
UTILITY NAME: **NMPC**

REPORT DATE: **08/28/2011**  
REPORT TIME: **12:17**

TOTAL CUSTOMERS INTERRUPTED: **189,079**

Crew Area	Total Customers Interrupted	Customers Predicted as Interrupted	Customers Confirmed as Interrupted	Customers Served	% of Total Customers Interrupted	Active Outages
Chopmist	20,084	19,715	369	19,729	101.80%	58
Lincoln	40,596	40,025	571	106,076	38.27%	145
Middletown	14,294	10,166	4,128	45,767	31.23%	290
North Kingstown	45,332	41,060	4,272	105,429	43.00%	320
Providence	30,487	24,937	5,550	117,103	26.03%	137
Warren	24,545	22,461	2,084	44,680	54.94%	80
Westerly	13,741	13,741	0	41,429	33.17%	148

### General Outage Information

UTILITY CODE: **1004**  
UTILITY NAME: **NMPC**  
**TOTAL CUSTOMERS INTERRUPTED:** **209,988** 1327 hours

### General Outage Information

REPORT DATE: **08/28/2011**  
REPORT TIME: **13:27**

Crew Area	Total Customers Interrupted	Customers Predicted as Interrupted	Customers Confirmed as Interrupted	Customers Served	% of Total Customers Interrupted	Active Outages
Chopmist	21,702	21,333	369	19,729	110.00%	52
Lincoln	42,458	41,887	571	106,076	40.03%	88
Middletown	26,717	14,793	11,924	45,767	58.38%	181
North Kingstown	48,303	44,075	4,228	105,429	45.82%	267
Providence	38,327	32,777	5,550	117,103	32.73%	132
Warren	19,029	16,945	2,084	44,680	42.59%	34
Westerly	13,452	13,452	0	41,429	32.47%	178

<b>Customers Out By Locality Excel Report</b> <b>Report Date: 08/28/11</b> <b>Report Time: 1447</b>			
<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>17,296</b>	<b>22,753</b>	<b>Assessing Condition</b>
Barrington	6,773	6,783	Assessing Condition
Bristol	5,736	10,266	Assessing Condition
Warren	4,787	5,704	Assessing Condition
<b>KENT (RI)</b>	<b>49,447</b>	<b>79,233</b>	<b>Assessing Condition</b>
Coventry	9,049	15,187	Assessing Condition
East Greenwich	4,896	5,993	Assessing Condition
Warwick	24,943	40,556	Assessing Condition
West Greenwich	1,508	2,681	Assessing Condition
West Warwick	9,051	14,816	Assessing Condition
<b>NEWPORT (RI)</b>	<b>39,032</b>	<b>45,771</b>	<b>Assessing Condition</b>
Jamestown	2,894	3,272	Assessing Condition
Little Compton	2,544	2,544	Assessing Condition
Middletown	7,877	7,877	Assessing Condition
Newport	11,153	14,936	Assessing Condition
Portsmouth	9,034	9,034	Assessing Condition
Tiverton	5,530	8,108	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>127,925</b>	<b>264,890</b>	<b>Assessing Condition</b>
Burrillville	2569	2,573	Assessing Condition
Central Falls	4,279	6,976	Assessing Condition
Cranston	12,990	35,286	Assessing Condition
Cumberland	12,725	14,876	Assessing Condition
East Providence	10,332	21,923	Assessing Condition
Foster	2,014	2,015	Assessing Condition
Glocester	4,455	4,488	Assessing Condition
Johnston	9,162	13,346	Assessing Condition
Lincoln	9,706	9,756	Assessing Condition
North Providence	9,647	15,908	Assessing Condition
North Smithfield	5,588	5,655	Assessing Condition
Pawtucket	12,978	32,111	Assessing Condition
Providence	16,420	68,527	Assessing Condition
Scituate	4,018	4,596	Assessing Condition
Smithfield	4,567	8,616	Assessing Condition
Woonsocket	6,475	18,238	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>32,693</b>	<b>67,634</b>	<b>Assessing Condition</b>
Charlestown	5,102	5,714	Assessing Condition
Exeter	2,356	2,899	Assessing Condition
Hopkinton	1,367	3,828	Assessing Condition
Narragansett	6,123	10,493	Assessing Condition
North Kingstown	9,341	12,968	Assessing Condition
Richmond	799	3,279	Assessing Condition
South Kingstown	4,724	14,316	Assessing Condition
Westerly	2,881	14,137	Assessing Condition
<b>TOTAL</b>	<b>266,393</b>	<b>480,281</b>	

<b>Customers Out By Locality Excel Report</b> <b>Report Date: 08/28/11</b> <b>Report Time: 1713 hours</b>			
<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>17,295</b>	<b>22,753</b>	<b>Assessing Condition</b>
Barrington	6,773	6,783	Assessing Condition
Bristol	5,735	10,266	Assessing Condition
Warren	4,787	5,704	Assessing Condition
<b>KENT (RI)</b>	<b>50,161</b>	<b>79,233</b>	<b>Assessing Condition</b>
Coventry	11,108	15,187	Assessing Condition
East Greenwich	4,897	5,993	Assessing Condition
Warwick	24,322	40,556	Assessing Condition
West Greenwich	2,115	2,681	Assessing Condition
West Warwick	7,719	14,816	Assessing Condition
<b>NEWPORT (RI)</b>	<b>38,079</b>	<b>45,771</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	Assessing Condition
Little Compton	1,187	2,544	Assessing Condition
Middletown	7,877	7,877	Assessing Condition
Newport	13,805	14,936	Assessing Condition
Portsmouth	9,033	9,034	Assessing Condition
Tiverton	2,906	8,108	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>128,271</b>	<b>264,890</b>	<b>Assessing Condition</b>
Burrillville	2569	2,573	Assessing Condition
Central Falls	4,297	6,976	Assessing Condition
Cranston	14,587	35,286	Assessing Condition
Cumberland	12,725	14,876	Assessing Condition
East Providence	13,383	21,923	Assessing Condition
Foster	2,014	2,015	Assessing Condition
Glocester	4,455	4,488	Assessing Condition
Johnston	8,490	13,346	Assessing Condition
Lincoln	8,245	9,756	Assessing Condition
North Providence	8,388	15,908	Assessing Condition
North Smithfield	5,588	5,655	Assessing Condition
Pawtucket	13,010	32,111	Assessing Condition
Providence	16,391	68,527	Assessing Condition
Scituate	4,015	4,596	Assessing Condition
Smithfield	3,656	8,616	Assessing Condition
Woonsocket	6,458	18,238	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>36,354</b>	<b>67,634</b>	<b>Assessing Condition</b>
Charlestown	5,102	5,714	Assessing Condition
Exeter	2,356	2,899	Assessing Condition
Hopkinton	2,409	3,828	Assessing Condition
Narragansett	6,295	10,493	Assessing Condition
North Kingstown	9,372	12,968	Assessing Condition
Richmond	846	3,279	Assessing Condition
South Kingstown	7,318	14,316	Assessing Condition
Westerly	2,656	14,137	Assessing Condition
<b>TOTAL</b>	<b>270,160</b>	<b>480,281</b>	

### Customers Out By Locality Excel Report

REPORT DATE: 09/04/2011

REPORT TIME: 18:45

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
612	COVENTRY	15,180	1	0.01%	1	1	09/04/2011 15:45
604	CRANSTON	35,267	3	0.01%	3	3	09/04/2011 22:00
609	EAST GREENWICH	5,989	1	0.02%	1	1	
634	EXETER	2,893	1	0.03%	1	1	09/04/2011 21:00
611	FOSTER	2,012	3	0.15%	1	2	09/04/2011 22:00
614	GLOCESTER	4,489	1	0.02%	1	1	09/03/2011 22:00
635	HOPKINTON	3,824	1	0.03%	1	1	09/04/2011 23:45
606	JOHNSTON	13,334	2	0.01%	2	2	09/04/2011 19:30
645	LINCOLN	9,748	1	0.01%	1	1	09/04/2011 18:00
636	NARRAGANSETT	10,486	1	0.01%	1	1	
613	NORTH KINGSTOWN	12,966	3	0.02%	3	3	09/04/2011 22:15
610	SCITUATE	4,596	1	0.02%	1	1	09/04/2011 22:15
607	SMITHFIELD	8,611	2	0.02%	2	2	09/04/2011 18:00
605	WARWICK	40,539	1	0.00%	1	1	
			22	0.0046%			

<b>Customers Out By Locality Excel Report</b> <b>Report Date: 08/28/11</b> <b>Report Time: 1948</b>			
<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>17,029</b>	<b>22,753</b>	<b>Assessing Condition</b>
Barrington	6,719	6,783	Assessing Condition
Bristol	5,522	10,266	Assessing Condition
Warren	4,788	5,704	Assessing Condition
<b>KENT (RI)</b>	<b>52,662</b>	<b>79,233</b>	<b>Assessing Condition</b>
Coventry	12,592	15,187	Assessing Condition
East Greenwich	4,892	5,993	Assessing Condition
Warwick	25,287	40,556	Assessing Condition
West Greenwich	2,121	2,681	Assessing Condition
West Warwick	7,770	14,816	Assessing Condition
<b>NEWPORT (RI)</b>	<b>40,734</b>	<b>45,771</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	Assessing Condition
Little Compton	2,418	2,544	Assessing Condition
Middletown	7,877	7,877	Assessing Condition
Newport	14,885	14,936	Assessing Condition
Portsmouth	9,034	9,034	Assessing Condition
Tiverton	3,249	8,108	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>136,880</b>	<b>264,890</b>	<b>Assessing Condition</b>
Burrillville	2569	2,573	Assessing Condition
Central Falls	4,380	6,976	Assessing Condition
Cranston	15,293	35,286	Assessing Condition
Cumberland	12,736	14,876	Assessing Condition
East Providence	12,579	21,923	Assessing Condition
Foster	2,014	2,015	Assessing Condition
Glocester	4,455	4,488	Assessing Condition
Johnston	8,590	13,346	Assessing Condition
Lincoln	9,706	9,756	Assessing Condition
North Providence	11,064	15,908	Assessing Condition
North Smithfield	5,588	5,655	Assessing Condition
Pawtucket	14,906	32,111	Assessing Condition
Providence	16,976	68,527	Assessing Condition
Scituate	4,080	4,596	Assessing Condition
Smithfield	4,303	8,616	Assessing Condition
Woonsocket	7,641	18,238	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>37,323</b>	<b>67,634</b>	<b>Assessing Condition</b>
Charlestown	4,692	5,714	Assessing Condition
Exeter	2,446	2,899	Assessing Condition
Hopkinton	2,263	3,828	Assessing Condition
Narragansett	6,372	10,493	Assessing Condition
North Kingstown	9,376	12,968	Assessing Condition
Richmond	873	3,279	Assessing Condition
South Kingstown	9,846	14,316	Assessing Condition
Westerly	1,455	14,137	Assessing Condition
<b>TOTAL</b>	<b>284,628</b>	<b>480,281</b>	

Customers Out By Locality Excel Report				
Report Date: 08/28/11				
Report Time: 2120				
CTV - City Town Village	Customers Affected	Customers Served	% of Customers Affected	Estimated Restoration
<b>BRISTOL (RI)</b>	<b>20,215</b>	<b>22,753</b>	<b>88.85%</b>	<b>Assessing Condition</b>
Barrington	6,719	6,783	99.06%	Assessing Condition
Bristol	8,708	10,266	84.82%	Assessing Condition
Warren	4,788	5,704	83.94%	Assessing Condition
<b>KENT (RI)</b>	<b>66,090</b>	<b>79,233</b>	<b>83.41%</b>	<b>Assessing Condition</b>
Coventry	14,540	15,187	95.74%	Assessing Condition
East Greenwich	5,358	5,993	89.40%	Assessing Condition
Warwick	31,249	40,556	77.05%	Assessing Condition
West Greenwich	2,124	2,681	79.22%	Assessing Condition
West Warwick	12,819	14,816	86.52%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>40,623</b>	<b>45,771</b>	<b>88.75%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	99.97%	Assessing Condition
Little Compton	2,418	2,544	95.05%	Assessing Condition
Middletown	7,877	7,877	100.00%	Assessing Condition
Newport	14,885	14,936	99.66%	Assessing Condition
Portsmouth	9,034	9,034	100.00%	Assessing Condition
Tiverton	3,138	8,108	38.70%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>142,727</b>	<b>264,890</b>	<b>53.88%</b>	<b>Assessing Condition</b>
Burrillville	2,569	2,573	99.84%	Assessing Condition
Central Falls	4,380	6,976	62.79%	Assessing Condition
Cranston	15,579	35,286	44.15%	Assessing Condition
Cumberland	12,736	14,876	85.61%	Assessing Condition
East Providence	12,580	21,923	57.38%	Assessing Condition
Foster	2,014	2,015	99.95%	Assessing Condition
Glocester	4,485	4,488	99.93%	Assessing Condition
Johnston	10,281	13,346	77.03%	Assessing Condition
Lincoln	9,707	9,756	99.50%	Assessing Condition
North Providence	11,064	15,908	69.55%	Assessing Condition
North Smithfield	5,589	5,655	98.83%	Assessing Condition
Pawtucket	14,906	32,111	46.42%	Assessing Condition
Providence	18,564	68,527	27.09%	Assessing Condition
Scituate	4,082	4,596	88.82%	Assessing Condition
Smithfield	6,550	8,616	76.02%	Assessing Condition
Woonsocket	7,641	18,238	41.90%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,496</b>	<b>67,634</b>	<b>64.31%</b>	<b>Assessing Condition</b>
Charlestown	5,345	5,714	93.54%	Assessing Condition
Exeter	2,553	2,899	88.06%	Assessing Condition
Hopkinton	2,526	3,828	65.99%	Assessing Condition
Narragansett	6,371	10,493	60.72%	Assessing Condition
North Kingstown	9,425	12,968	72.68%	Assessing Condition
Richmond	1,690	3,279	51.54%	Assessing Condition
South Kingstown	12,074	14,316	84.34%	Assessing Condition
Westerly	3,512	14,137	24.84%	Assessing Condition
<b>TOTAL</b>	<b>313,151</b>	<b>480,281</b>	<b>65.20%</b>	

<b>Customers Out By Locality Excel Report</b> <b>Report Date: 08/29/11</b> <b>Report Time: 0732</b>			
<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>Assessing Condition</b>
Barrington	6,720	6,783	Assessing Condition
Bristol	8,726	10,266	Assessing Condition
Warren	4,834	5,704	Assessing Condition
<b>KENT (RI)</b>	<b>61,696</b>	<b>79,233</b>	<b>Assessing Condition</b>
Coventry	14,664	15,187	Assessing Condition
East Greenwich	5,400	5,993	Assessing Condition
Warwick	26,669	40,556	Assessing Condition
West Greenwich	2,133	2,681	Assessing Condition
West Warwick	12,830	14,816	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,112</b>	<b>45,771</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	Assessing Condition
Little Compton	2,418	2,544	Assessing Condition
Middletown	6,842	7,877	Assessing Condition
Newport	13,378	14,936	Assessing Condition
Portsmouth	8,995	9,034	Assessing Condition
Tiverton	1,208	8,108	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>129,017</b>	<b>264,890</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	Assessing Condition
Central Falls	5,048	6,976	Assessing Condition
Cranston	15,170	35,286	Assessing Condition
Cumberland	12,753	14,876	Assessing Condition
East Providence	9,394	21,923	Assessing Condition
Foster	2,013	2,015	Assessing Condition
Glocester	4,175	4,488	Assessing Condition
Johnston	7,282	13,346	Assessing Condition
Lincoln	9,693	9,756	Assessing Condition
North Providence	8,547	15,908	Assessing Condition
North Smithfield	5,587	5,655	Assessing Condition
Pawtucket	16,814	32,111	Assessing Condition
Providence	15,730	68,527	Assessing Condition
Scituate	3,543	4,596	Assessing Condition
Smithfield	2,920	8,616	Assessing Condition
Woonsocket	7,778	18,238	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,551</b>	<b>67,634</b>	<b>Assessing Condition</b>
Charlestown	4,717	5,714	Assessing Condition
Exeter	2,560	2,899	Assessing Condition
Hopkinton	2,794	3,828	Assessing Condition
Narragansett	9,695	10,493	Assessing Condition
North Kingstown	7,922	12,968	Assessing Condition
Richmond	1,707	3,279	Assessing Condition
South Kingstown	9,511	14,316	Assessing Condition
Westerly	4,645	14,137	Assessing Condition
<b>TOTAL</b>	<b>290,656</b>	<b>480,281</b>	



**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 0830**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4834	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>55,476</b>	<b>79,233</b>	<b>70.0%</b>	<b>Assessing Condition</b>
Coventry	12,724	15,187	83.8%	Assessing Condition
East Greenwich	5,401	5,993	90.1%	Assessing Condition
Warwick	24,014	40,556	59.2%	Assessing Condition
West Greenwich	2,133	2,681	79.6%	Assessing Condition
West Warwick	11,204	14,816	75.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,115</b>	<b>45,771</b>	<b>78.9%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,418	2,544	95.0%	Assessing Condition
Middletown	6,843	7,877	86.9%	Assessing Condition
Newport	13,379	14,936	89.6%	Assessing Condition
Portsmouth	8,995	9,034	99.6%	Assessing Condition
Tiverton	1,209	8,108	14.9%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>119,371</b>	<b>264,890</b>	<b>45.1%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	15,170	35,286	43.0%	Assessing Condition
Cumberland	12,753	14,876	85.7%	Assessing Condition
East Providence	8,283	21,923	37.8%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,176	4,488	93.0%	Assessing Condition
Johnston	6,021	13,346	45.1%	Assessing Condition
Lincoln	9,693	9,756	99.4%	Assessing Condition
North Providence	6,795	15,908	42.7%	Assessing Condition
North Smithfield	5,587	5,655	98.8%	Assessing Condition
Pawtucket	16,814	32,111	52.4%	Assessing Condition
Providence	10,142	68,527	14.8%	Assessing Condition
Scituate	3,543	4,596	77.1%	Assessing Condition
Smithfield	2,984	8,616	34.6%	Assessing Condition
Woonsocket	7,779	18,238	42.7%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,565</b>	<b>67,634</b>	<b>64.4%</b>	<b>Assessing Condition</b>
Charlestown	4,717	5,714	82.6%	Assessing Condition
Exeter	2,560	2,899	88.3%	Assessing Condition
Hopkinton	2,794	3,828	73.0%	Assessing Condition
Narragansett	9,695	10,493	92.4%	Assessing Condition
North Kingstown	7,923	12,968	61.1%	Assessing Condition
Richmond	1,708	3,279	52.1%	Assessing Condition
South Kingstown	9,523	14,316	66.5%	Assessing Condition
Westerly	4,645	14,137	32.9%	Assessing Condition
<b>TOTAL</b>	<b>274,807</b>	<b>480,281</b>	<b>57.2%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 0930**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4834	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>57,964</b>	<b>79,233</b>	<b>73.2%</b>	<b>Assessing Condition</b>
Coventry	13,586	15,187	89.5%	Assessing Condition
East Greenwich	5,401	5,993	90.1%	Assessing Condition
Warwick	24,014	40,556	59.2%	Assessing Condition
West Greenwich	2,133	2,681	79.6%	Assessing Condition
West Warwick	12,830	14,816	86.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,116</b>	<b>45,771</b>	<b>78.9%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,418	2,544	95.0%	Assessing Condition
Middletown	6,844	7,877	86.9%	Assessing Condition
Newport	13,379	14,936	89.6%	Assessing Condition
Portsmouth	8,995	9,034	99.6%	Assessing Condition
Tiverton	1,209	8,108	14.9%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>119,944</b>	<b>264,890</b>	<b>45.3%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	15,348	35,286	43.5%	Assessing Condition
Cumberland	12,753	14,876	85.7%	Assessing Condition
East Providence	8,283	21,923	37.8%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,176	4,488	93.0%	Assessing Condition
Johnston	6,384	13,346	47.8%	Assessing Condition
Lincoln	9,693	9,756	99.4%	Assessing Condition
North Providence	6,795	15,908	42.7%	Assessing Condition
North Smithfield	5,587	5,655	98.8%	Assessing Condition
Pawtucket	16,814	32,111	52.4%	Assessing Condition
Providence	10,142	68,527	14.8%	Assessing Condition
Scituate	3,543	4,596	77.1%	Assessing Condition
Smithfield	3,016	8,616	35.0%	Assessing Condition
Woonsocket	7,779	18,238	42.7%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,566</b>	<b>67,634</b>	<b>64.4%</b>	<b>Assessing Condition</b>
Charlestown	4,717	5,714	82.6%	Assessing Condition
Exeter	2,560	2,899	88.3%	Assessing Condition
Hopkinton	2,794	3,828	73.0%	Assessing Condition
Narragansett	9,695	10,493	92.4%	Assessing Condition
North Kingstown	7,923	12,968	61.1%	Assessing Condition
Richmond	1,708	3,279	52.1%	Assessing Condition
South Kingstown	9,524	14,316	66.5%	Assessing Condition
Westerly	4,645	14,137	32.9%	Assessing Condition
<b>TOTAL</b>	<b>277,870</b>	<b>480,281</b>	<b>57.9%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 1030**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4834	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>57,872</b>	<b>79,233</b>	<b>73.0%</b>	<b>Assessing Condition</b>
Coventry	13,586	15,187	89.5%	Assessing Condition
East Greenwich	5,401	5,993	90.1%	Assessing Condition
Warwick	23,919	40,556	59.0%	Assessing Condition
West Greenwich	2,135	2,681	79.6%	Assessing Condition
West Warwick	12,831	14,816	86.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,128</b>	<b>45,771</b>	<b>78.9%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,418	2,544	95.0%	Assessing Condition
Middletown	6,849	7,877	86.9%	Assessing Condition
Newport	13,382	14,936	89.6%	Assessing Condition
Portsmouth	8,995	9,034	99.6%	Assessing Condition
Tiverton	1,213	8,108	15.0%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>124,229</b>	<b>264,890</b>	<b>46.9%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	16,251	35,286	46.1%	Assessing Condition
Cumberland	12,754	14,876	85.7%	Assessing Condition
East Providence	8,363	21,923	38.1%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,176	4,488	93.0%	Assessing Condition
Johnston	7,300	13,346	54.7%	Assessing Condition
Lincoln	9,693	9,756	99.4%	Assessing Condition
North Providence	8,663	15,908	54.5%	Assessing Condition
North Smithfield	5,587	5,655	98.8%	Assessing Condition
Pawtucket	16,815	32,111	52.4%	Assessing Condition
Providence	10,645	68,527	15.5%	Assessing Condition
Scituate	3,546	4,596	77.2%	Assessing Condition
Smithfield	3,022	8,616	35.1%	Assessing Condition
Woonsocket	7,783	18,238	42.7%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,848</b>	<b>67,634</b>	<b>64.8%</b>	<b>Assessing Condition</b>
Charlestown	4,718	5,714	82.6%	Assessing Condition
Exeter	2,694	2,899	92.9%	Assessing Condition
Hopkinton	2,795	3,828	73.0%	Assessing Condition
Narragansett	9,713	10,493	92.6%	Assessing Condition
North Kingstown	7,932	12,968	61.2%	Assessing Condition
Richmond	1,754	3,279	53.5%	Assessing Condition
South Kingstown	9,575	14,316	66.9%	Assessing Condition
Westerly	4,667	14,137	33.0%	Assessing Condition
<b>TOTAL</b>	<b>282,357</b>	<b>480,281</b>	<b>58.8%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 1130**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4834	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>57,893</b>	<b>79,233</b>	<b>73.1%</b>	<b>Assessing Condition</b>
Coventry	13,586	15,187	89.5%	Assessing Condition
East Greenwich	5,401	5,993	90.1%	Assessing Condition
Warwick	23,940	40,556	59.0%	Assessing Condition
West Greenwich	2,135	2,681	79.6%	Assessing Condition
West Warwick	12,831	14,816	86.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,128</b>	<b>45,771</b>	<b>78.9%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,418	2,544	95.0%	Assessing Condition
Middletown	6,849	7,877	86.9%	Assessing Condition
Newport	13,382	14,936	89.6%	Assessing Condition
Portsmouth	8,995	9,034	99.6%	Assessing Condition
Tiverton	1,213	8,108	15.0%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>124,516</b>	<b>264,890</b>	<b>47.0%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	16,251	35,286	46.1%	Assessing Condition
Cumberland	12,754	14,876	85.7%	Assessing Condition
East Providence	8,363	21,923	38.1%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,245	4,488	94.6%	Assessing Condition
Johnston	7,336	13,346	55.0%	Assessing Condition
Lincoln	9,693	9,756	99.4%	Assessing Condition
North Providence	8,663	15,908	54.5%	Assessing Condition
North Smithfield	5,588	5,655	98.8%	Assessing Condition
Pawtucket	16,815	32,111	52.4%	Assessing Condition
Providence	10,802	68,527	15.8%	Assessing Condition
Scituate	3,546	4,596	77.2%	Assessing Condition
Smithfield	3,046	8,616	35.4%	Assessing Condition
Woonsocket	7,783	18,238	42.7%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>43,856</b>	<b>67,634</b>	<b>64.8%</b>	<b>Assessing Condition</b>
Charlestown	4,718	5,714	82.6%	Assessing Condition
Exeter	2,694	2,899	92.9%	Assessing Condition
Hopkinton	2,795	3,828	73.0%	Assessing Condition
Narragansett	9,713	10,493	92.6%	Assessing Condition
North Kingstown	7,933	12,968	61.2%	Assessing Condition
Richmond	1,755	3,279	53.5%	Assessing Condition
South Kingstown	9,575	14,316	66.9%	Assessing Condition
Westerly	4,673	14,137	33.1%	Assessing Condition
<b>TOTAL</b>	<b>282,673</b>	<b>480,281</b>	<b>58.9%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 1230**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,280</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4834	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>58,108</b>	<b>79,233</b>	<b>73.3%</b>	<b>Assessing Condition</b>
Coventry	13,520	15,187	89.0%	Assessing Condition
East Greenwich	5,396	5,993	90.0%	Assessing Condition
Warwick	24,631	40,556	60.7%	Assessing Condition
West Greenwich	1,730	2,681	64.5%	Assessing Condition
West Warwick	12,831	14,816	86.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>36,131</b>	<b>45,771</b>	<b>78.9%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,418	2,544	95.0%	Assessing Condition
Middletown	6,849	7,877	86.9%	Assessing Condition
Newport	13,383	14,936	89.6%	Assessing Condition
Portsmouth	8,995	9,034	99.6%	Assessing Condition
Tiverton	1,215	8,108	15.0%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>125,632</b>	<b>264,890</b>	<b>47.4%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	16,264	35,286	46.1%	Assessing Condition
Cumberland	12,754	14,876	85.7%	Assessing Condition
East Providence	8,399	21,923	38.3%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,245	4,488	94.6%	Assessing Condition
Johnston	7,377	13,346	55.3%	Assessing Condition
Lincoln	9,693	9,756	99.4%	Assessing Condition
North Providence	8,723	15,908	54.8%	Assessing Condition
North Smithfield	5,588	5,655	98.8%	Assessing Condition
Pawtucket	16,815	32,111	52.4%	Assessing Condition
Providence	11,696	68,527	17.1%	Assessing Condition
Scituate	3,547	4,596	77.2%	Assessing Condition
Smithfield	3,046	8,616	35.4%	Assessing Condition
Woonsocket	7,854	18,238	43.1%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>42,129</b>	<b>67,634</b>	<b>62.3%</b>	<b>Assessing Condition</b>
Charlestown	4,718	5,714	82.6%	Assessing Condition
Exeter	2,621	2,899	90.4%	Assessing Condition
Hopkinton	2,557	3,828	66.8%	Assessing Condition
Narragansett	9,713	10,493	92.6%	Assessing Condition
North Kingstown	6,740	12,968	52.0%	Assessing Condition
Richmond	1,755	3,279	53.5%	Assessing Condition
South Kingstown	9,575	14,316	66.9%	Assessing Condition
Westerly	4,450	14,137	31.5%	Assessing Condition
<b>TOTAL</b>	<b>282,280</b>	<b>480,281</b>	<b>58.8%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 1300**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,279</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4833	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>59,234</b>	<b>79,233</b>	<b>74.8%</b>	<b>Assessing Condition</b>
Coventry	13,776	15,187	90.7%	Assessing Condition
East Greenwich	5,395	5,993	90.0%	Assessing Condition
Warwick	24,022	40,556	59.2%	Assessing Condition
West Greenwich	1,730	2,681	64.5%	Assessing Condition
West Warwick	14,311	14,816	96.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>33,274</b>	<b>45,771</b>	<b>72.7%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,085	2,544	82.0%	Assessing Condition
Middletown	6,842	7,877	86.9%	Assessing Condition
Newport	13,379	14,936	89.6%	Assessing Condition
Portsmouth	6,955	9,034	77.0%	Assessing Condition
Tiverton	742	8,108	9.2%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>123,047</b>	<b>264,890</b>	<b>46.5%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	16,286	35,286	46.2%	Assessing Condition
Cumberland	10,347	14,876	69.6%	Assessing Condition
East Providence	8,612	21,923	39.3%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,275	4,488	95.3%	Assessing Condition
Johnston	7,412	13,346	55.5%	Assessing Condition
Lincoln	9,261	9,756	94.9%	Assessing Condition
North Providence	8,792	15,908	55.3%	Assessing Condition
North Smithfield	5,588	5,655	98.8%	Assessing Condition
Pawtucket	16,816	32,111	52.4%	Assessing Condition
Providence	11,517	68,527	16.8%	Assessing Condition
Scituate	3,553	4,596	77.3%	Assessing Condition
Smithfield	3,102	8,616	36.0%	Assessing Condition
Woonsocket	7,855	18,238	43.1%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>40,897</b>	<b>67,634</b>	<b>60.5%</b>	<b>Assessing Condition</b>
Charlestown	4,717	5,714	82.6%	Assessing Condition
Exeter	2,621	2,899	90.4%	Assessing Condition
Hopkinton	2,565	3,828	67.0%	Assessing Condition
Narragansett	8,482	10,493	80.8%	Assessing Condition
North Kingstown	6,740	12,968	52.0%	Assessing Condition
Richmond	1,755	3,279	53.5%	Assessing Condition
South Kingstown	9,554	14,316	66.7%	Assessing Condition
Westerly	4,463	14,137	31.6%	Assessing Condition
<b>TOTAL</b>	<b>276,731</b>	<b>480,281</b>	<b>57.6%</b>	



**Customers Out By Locality Excel Report**

**Report Date: 08/29/11**

**Report Time: 1430**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>20,279</b>	<b>22,753</b>	<b>89.1%</b>	<b>Assessing Condition</b>
Barrington	6720	6783	99.1%	Assessing Condition
Bristol	8726	10266	85.0%	Assessing Condition
Warren	4833	5704	84.7%	Assessing Condition
<b>KENT (RI)</b>	<b>59,234</b>	<b>79,233</b>	<b>74.8%</b>	<b>Assessing Condition</b>
Coventry	13,776	15,187	90.7%	Assessing Condition
East Greenwich	5,395	5,993	90.0%	Assessing Condition
Warwick	24,022	40,556	59.2%	Assessing Condition
West Greenwich	1,730	2,681	64.5%	Assessing Condition
West Warwick	14,311	14,816	96.6%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>33,274</b>	<b>45,771</b>	<b>72.7%</b>	<b>Assessing Condition</b>
Jamestown	3,271	3,272	100.0%	Assessing Condition
Little Compton	2,085	2,544	82.0%	Assessing Condition
Middletown	6,842	7,877	86.9%	Assessing Condition
Newport	13,379	14,936	89.6%	Assessing Condition
Portsmouth	6,955	9,034	77.0%	Assessing Condition
Tiverton	742	8,108	9.2%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>123,052</b>	<b>264,890</b>	<b>46.5%</b>	<b>Assessing Condition</b>
Burrillville	2570	2,573	99.9%	Assessing Condition
Central Falls	5,048	6,976	72.4%	Assessing Condition
Cranston	16,286	35,286	46.2%	Assessing Condition
Cumberland	10,347	14,876	69.6%	Assessing Condition
East Providence	8,615	21,923	39.3%	Assessing Condition
Foster	2,013	2,015	99.9%	Assessing Condition
Glocester	4,275	4,488	95.3%	Assessing Condition
Johnston	7,412	13,346	55.5%	Assessing Condition
Lincoln	9,261	9,756	94.9%	Assessing Condition
North Providence	8,792	15,908	55.3%	Assessing Condition
North Smithfield	5,588	5,655	98.8%	Assessing Condition
Pawtucket	16,816	32,111	52.4%	Assessing Condition
Providence	11,517	68,527	16.8%	Assessing Condition
Scituate	3,553	4,596	77.3%	Assessing Condition
Smithfield	3,104	8,616	36.0%	Assessing Condition
Woonsocket	7,855	18,238	43.1%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>40,958</b>	<b>67,634</b>	<b>60.6%</b>	<b>Assessing Condition</b>
Charlestown	4,717	5,714	82.6%	Assessing Condition
Exeter	2,621	2,899	90.4%	Assessing Condition
Hopkinton	2,563	3,828	67.0%	Assessing Condition
Narragansett	8,482	10,493	80.8%	Assessing Condition
North Kingstown	6,740	12,968	52.0%	Assessing Condition
Richmond	1,755	3,279	53.5%	Assessing Condition
South Kingstown	9,554	14,316	66.7%	Assessing Condition
Westerly	4,526	14,137	32.0%	Assessing Condition
<b>TOTAL</b>	<b>276,797</b>	<b>480,281</b>	<b>57.6%</b>	

**Customers Out By Locality Excel Report**

**Report Date: 08/30/11**

**Report Time: 0757**

<b>CTV - City Town Village</b>	<b>Customers Affected</b>	<b>Customers Served</b>	<b>% of Customers Affected</b>	<b>Estimated Restoration</b>
<b>BRISTOL (RI)</b>	<b>12,490</b>	<b>22,753</b>	<b>54.9%</b>	<b>Assessing Condition</b>
Barrington	1747	6783	25.8%	Assessing Condition
Bristol	7910	10266	77.1%	Assessing Condition
Warren	2833	5704	49.7%	Assessing Condition
<b>KENT (RI)</b>	<b>28,393</b>	<b>79,233</b>	<b>35.8%</b>	<b>Assessing Condition</b>
Coventry	5,904	15,187	38.9%	Assessing Condition
East Greenwich	3,007	5,993	50.2%	Assessing Condition
Warwick	13,316	40,556	32.8%	Assessing Condition
West Greenwich	1,619	2,681	60.4%	Assessing Condition
West Warwick	4,547	14,816	30.7%	Assessing Condition
<b>NEWPORT (RI)</b>	<b>2,203</b>	<b>45,771</b>	<b>4.8%</b>	<b>Assessing Condition</b>
Jamestown	26	3,272	0.8%	Assessing Condition
Little Compton	38	2,544	1.5%	Assessing Condition
Middletown	333	7,877	4.2%	Assessing Condition
Newport	174	14,936	1.2%	Assessing Condition
Portsmouth	1,409	9,034	15.6%	Assessing Condition
Tiverton	223	8,108	2.8%	Assessing Condition
<b>PROVIDENCE (RI)</b>	<b>68,673</b>	<b>264,890</b>	<b>25.9%</b>	<b>Assessing Condition</b>
Burrillville	1654	2,573	64.3%	Assessing Condition
Central Falls	4,488	6,976	64.3%	Assessing Condition
Cranston	7,791	35,286	22.1%	Assessing Condition
Cumberland	5,007	14,876	33.7%	Assessing Condition
East Providence	1,744	21,923	8.0%	Assessing Condition
Foster	517	2,015	25.7%	Assessing Condition
Glocester	3,597	4,488	80.1%	Assessing Condition
Johnston	3,760	13,346	28.2%	Assessing Condition
Lincoln	1,752	9,756	18.0%	Assessing Condition
North Providence	6,960	15,908	43.8%	Assessing Condition
North Smithfield	3,651	5,655	64.6%	Assessing Condition
Pawtucket	12,569	32,111	39.1%	Assessing Condition
Providence	7,732	68,527	11.3%	Assessing Condition
Scituate	1,914	4,596	41.6%	Assessing Condition
Smithfield	1,905	8,616	22.1%	Assessing Condition
Woonsocket	3,632	18,238	19.9%	Assessing Condition
<b>WASHINGTON (RI)</b>	<b>27,707</b>	<b>67,634</b>	<b>41.0%</b>	<b>Assessing Condition</b>
Charlestown	4,561	5,714	79.8%	Assessing Condition
Exeter	2,515	2,899	86.8%	Assessing Condition
Hopkinton	2,777	3,828	72.5%	Assessing Condition
Narragansett	1,093	10,493	10.4%	Assessing Condition
North Kingstown	3,426	12,968	26.4%	Assessing Condition
Richmond	1,570	3,279	47.9%	Assessing Condition
South Kingstown	7,559	14,316	52.8%	Assessing Condition
Westerly	4,206	14,137	29.8%	Assessing Condition
<b>TOTAL</b>	<b>139,466</b>	<b>480,281</b>	<b>29.0%</b>	



**Customers Out By Locality Excel Report**  
**Report Date & Time: 08/30/2011 1600 hours**

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Customer Calls	Active Outages
622	BARRINGTON	6,783	2,886	42.55%	176	54
623	BRISTOL	10,266	5,767	56.18%	670	15
641	BURRILLVILLE	2,573	2,570	99.88%	292	4
646	CENTRAL FALLS	6,976	5,467	78.37%	737	17
633	CHARLESTOWN	5,714	4,444	77.77%	764	20
612	COVENTRY	15,187	7,050	46.42%	1,172	137
604	CRANSTON	35,286	6,816	19.32%	1,394	177
643	CUMBERLAND	14,876	6,111	41.08%	1,229	65
609	EAST GREENWICH	5,993	2,317	38.66%	526	62
603	EAST PROVIDENCE	21,923	1,942	8.86%	529	123
634	EXETER	2,899	2,411	83.17%	645	29
611	FOSTER	2,015	1,514	75.14%	162	18
614	GLOCESTER	4,488	3,710	82.66%	709	35
635	HOPKINTON	3,828	2,538	66.30%	503	42
629	JAMESTOWN	3,272	63	1.93%	23	14
606	JOHNSTON	13,346	3,948	29.58%	1,215	127
645	LINCOLN	9,756	2,244	23.00%	321	31
625	LITTLE COMPTON	2,544	220	8.65%	44	21
628	MIDDLETOWN	7,877	49	0.62%	42	38
636	NARRAGANSETT	10,493	890	8.48%	193	56
627	NEWPORT	14,936	219	1.47%	71	52
613	NORTH KINGSTOWN	12,968	4,608	35.53%	800	83
602	NORTH PROVIDENCE	15,908	4,487	28.21%	969	170
642	NORTH SMITHFIELD	5,655	3,147	55.65%	425	26
647	PAWTUCKET	32,111	12,282	38.25%	2,115	86
626	PORTSMOUTH	9,034	1,718	19.02%	100	57
601	PROVIDENCE	68,527	6,537	9.54%	1,539	282
632	RICHMOND	3,279	1,578	48.12%	590	46
610	SCITUATE	4,596	2,589	56.33%	518	78
607	SMITHFIELD	8,616	1,833	21.27%	553	86
637	SOUTH KINGSTOWN	14,316	6,338	44.27%	1,637	138
624	TIVERTON	8,108	306	3.77%	96	55
621	WARREN	5,704	1,446	25.35%	37	10
605	WARWICK	40,556	12,932	31.89%	2,923	521
304	WARWICK	441	1	0.23%	1	1
639	WEST GREENWICH	2,681	1,433	53.45%	472	60
608	WEST WARWICK	14,816	4,651	31.39%	778	89
631	WESTERLY	14,137	2,529	17.89%	493	93
644	WOONSOCKET	18,238	1,457	7.99%	366	70
		<b>480,722</b>	<b>133,048</b>			

Report Date & Time: 8/31/11 10:00 a.m.

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Customer Calls	Active Outages	Estimated Restoration Date/Time
622	BARRINGTON	6,783	1,494	22.03%	183	51	09/05/2011 0:00
623	BRISTOL	10,266	5,477	53.35%	761	13	09/05/2011 0:00
641	BURRILLVILLE	2,573	1,652	64.21%	290	5	09/05/2011 0:00
646	CENTRAL FALLS	6,976	4,679	67.07%	779	15	09/05/2011 0:00
633	CHARLESTOWN	5,714	2,649	46.36%	484	50	09/05/2011 22:00
612	COVENTRY	15,187	7,120	46.88%	1,417	152	09/05/2011 22:00
604	CRANSTON	35,286	2,514	7.12%	590	188	09/05/2011 22:00
643	CUMBERLAND	14,876	5,674	38.14%	1,280	68	09/05/2011 0:00
609	EAST GREENWICH	5,993	1,534	25.60%	531	70	09/05/2011 0:00
603	EAST PROVIDENCE	21,923	1,877	8.56%	539	125	09/05/2011 0:00
634	EXETER	2,899	2,358	81.34%	311	27	09/05/2011 0:00
611	FOSTER	2,015	1,994	98.96%	189	9	09/05/2011 0:00
614	GLOCESTER	4,488	3,725	83.00%	774	42	09/05/2011 0:00
635	HOPKINTON	3,828	2,596	67.82%	550	42	09/05/2011 0:00
629	JAMESTOWN	3,272	22	0.67%	11	8	09/05/2011 0:00
606	JOHNSTON	13,346	3,924	29.40%	1,274	131	09/05/2011 22:00
645	LINCOLN	9,756	1,440	14.76%	209	46	09/05/2011 0:00
625	LITTLE COMPTON	2,544	53	2.08%	22	19	09/05/2011 0:00
628	MIDDLETOWN	7,877	97	1.23%	42	40	09/05/2011 0:00
636	NARRAGANSETT	10,493	709	6.76%	121	32	09/05/2011 0:00
627	NEWPORT	14,936	165	1.10%	64	54	09/05/2011 22:00
613	NORTH KINGSTOWN	12,968	2,212	17.06%	368	95	09/05/2011 0:00
602	NORTH PROVIDENCE	15,908	4,679	29.41%	984	171	09/05/2011 0:00
642	NORTH SMITHFIELD	5,655	1,682	29.74%	352	25	09/05/2011 0:00
647	PAWTUCKET	32,111	6,881	21.43%	1,502	90	09/05/2011 0:00
626	PORTSMOUTH	9,034	130	1.44%	77	50	09/05/2011 0:00
601	PROVIDENCE	68,527	4,571	6.67%	1,113	270	09/05/2011 0:00
632	RICHMOND	3,279	1,094	33.36%	447	46	09/05/2011 0:00
610	SCITUATE	4,596	3,075	66.91%	592	52	09/05/2011 0:00
607	SMITHFIELD	8,616	1,518	17.62%	500	88	09/05/2011 0:00
637	SOUTH KINGSTOWN	14,316	5,393	37.67%	1,426	141	09/05/2011 0:00
624	TIVERTON	8,108	104	1.28%	62	54	09/05/2011 0:00
621	WARREN	5,704	1,549	27.16%	109	13	09/05/2011 22:00
605	WARWICK	40,556	11,971	29.52%	2,977	493	09/05/2011 0:00
304	WARWICK	441	1	0.23%	0	1	09/04/2011 0:00
639	WEST GREENWICH	2,681	1,429	53.30%	490	62	09/05/2011 0:00
608	WEST WARWICK	14,816	4,884	32.96%	882	85	09/05/2011 0:00
631	WESTERLY	14,137	2,313	16.36%	516	98	09/05/2011 0:00
644	WOONSOCKET	18,238	551	3.02%	176	39	09/05/2011 0:00
		<b>480,281</b>	<b>105,790</b>	<b>22.03%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: **09/01/2011**

REPORT TIME: **7:52**

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	1,112	16.39%	70	271	09/05/2011 0:00
623	BRISTOL	10,266	1,415	13.78%	43	157	09/05/2011 0:00
641	BURRILLVILLE	2,573	280	10.88%	22	34	09/03/2011 23:45
646	CENTRAL FALLS	6,976	53	0.76%	6	5	09/04/2011 23:45
633	CHARLESTOWN	5,714	1,626	28.46%	57	240	09/05/2011 0:00
612	COVENTRY	15,187	4,333	28.53%	169	894	09/05/2011 0:00
604	CRANSTON	35,286	1,773	5.02%	144	413	09/05/2011 0:00
643	CUMBERLAND	14,876	1,939	13.03%	93	325	09/04/2011 23:45
609	EAST GREENWICH	5,993	619	10.33%	51	163	09/05/2011 0:00
603	EAST PROVIDENCE	21,923	1,918	8.75%	128	572	09/05/2011 0:00
634	EXETER	2,899	1,137	39.22%	47	229	09/05/2011 0:00
611	FOSTER	2,015	1,886	93.60%	13	239	09/05/2011 0:00
614	GLOCESTER	4,488	1,825	40.66%	65	380	09/05/2011 0:00
635	HOPKINTON	3,828	1,521	39.73%	51	489	09/05/2011 0:00
629	JAMESTOWN	3,272	8	0.24%	6	7	09/02/2011 23:45
606	JOHNSTON	13,346	2,689	20.15%	128	876	09/05/2011 12:00
645	LINCOLN	9,756	685	7.02%	42	116	09/05/2011 0:00
625	LITTLE COMPTON	2,544	18	0.71%	16	17	09/02/2011 23:45
628	MIDDLETOWN	7,877	37	0.47%	24	26	09/04/2011 23:45
636	NARRAGANSETT	10,493	632	6.02%	35	114	09/04/2011 23:45
627	NEWPORT	14,936	24	0.16%	23	25	09/02/2011 23:45
613	NORTH KINGSTOWN	12,968	2,217	17.10%	100	424	09/05/2011 0:00
602	NORTH PROVIDENCE	15,908	4,651	29.24%	169	986	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	543	9.60%	36	110	09/05/2011 0:00
647	PAWTUCKET	32,111	1,148	3.58%	66	210	09/04/2011 23:45
626	PORTSMOUTH	9,034	24	0.27%	23	25	09/02/2011 23:45
601	PROVIDENCE	68,527	2,352	3.43%	160	405	09/05/2011 0:00
632	RICHMOND	3,279	1,340	40.87%	46	471	09/05/2011 0:00
610	SCITUATE	4,596	2,020	43.95%	67	471	09/05/2011 0:00
607	SMITHFIELD	8,616	1,392	16.16%	83	504	09/05/2011 0:00
637	SOUTH KINGSTOWN	14,316	4,999	34.92%	160	999	09/05/2011 0:00
624	TIVERTON	8,108	42	0.52%	40	42	09/04/2011 23:45
621	WARREN	5,704	913	16.01%	17	59	09/05/2011 0:00
304	WARWICK	441	1	0.23%	1	0	09/03/2011 23:45
605	WARWICK	40,556	7,423	18.30%	458	2,230	09/05/2011 0:00
639	WEST GREENWICH	2,681	737	27.49%	64	295	09/05/2011 0:00
608	WEST WARWICK	14,816	1,967	13.28%	59	527	09/05/2011 0:00
631	WESTERLY	14,137	1,883	13.32%	95	454	09/05/2011 0:00
644	WOONSOCKET	18,238	321	1.76%	37	121	09/04/2011 23:45
		<b>480,722</b>	<b>59,503</b>	<b>12.38%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/01/2011

REPORT TIME: 14:27

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	1,334	19.67%	79	377	09/03/2011 23:45
623	BRISTOL	10,266	1,334	12.99%	51	196	09/03/2011 23:45
641	BURRILLVILLE	2,573	382	14.85%	25	47	09/03/2011 23:45
646	CENTRAL FALLS	6,976	54	0.77%	7	6	09/04/2011 23:45
633	CHARLESTOWN	5,714	790	13.83%	65	189	09/04/2011 23:45
612	COVENTRY	15,187	2,975	19.59%	113	707	09/04/2011 23:45
604	CRANSTON	35,286	1,326	3.76%	145	329	09/04/2011 23:45
643	CUMBERLAND	14,876	1,560	10.49%	90	306	09/04/2011 23:45
609	EAST GREENWICH	5,993	648	10.81%	53	173	09/04/2011 23:45
603	EAST PROVIDENCE	21,923	1,546	7.05%	115	475	09/03/2011 23:45
634	EXETER	2,899	1,249	43.08%	43	264	09/04/2011 23:45
611	FOSTER	2,015	1,867	92.66%	18	242	09/04/2011 22:00
614	GLOCESTER	4,488	1,745	38.88%	68	358	09/04/2011 22:00
635	HOPKINTON	3,828	1,368	35.74%	54	457	09/04/2011 23:45
629	JAMESTOWN	3,272	7	0.21%	5	7	09/02/2011 23:45
606	JOHNSTON	13,346	1,898	14.22%	113	595	09/05/2011 12:00
645	LINCOLN	9,756	343	3.52%	41	72	09/04/2011 23:45
625	LITTLE COMPTON	2,544	18	0.71%	16	17	09/02/2011 23:45
628	MIDDLETOWN	7,877	35	0.44%	23	24	09/04/2011 23:45
636	NARRAGANSETT	10,493	562	5.36%	36	102	09/04/2011 23:45
627	NEWPORT	14,936	20	0.13%	20	21	09/02/2011 23:45
613	NORTH KINGSTOWN	12,968	2,185	16.85%	96	344	09/04/2011 23:45
602	NORTH PROVIDENCE	15,908	3,430	21.56%	131	791	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	717	12.68%	42	144	09/04/2011 23:45
647	PAWTUCKET	32,111	619	1.93%	56	175	09/04/2011 23:45
626	PORTSMOUTH	9,034	23	0.25%	22	22	09/02/2011 23:45
601	PROVIDENCE	68,527	1,526	2.23%	135	342	09/04/2011 23:45
632	RICHMOND	3,279	1,365	41.63%	48	488	09/04/2011 23:45
610	SCITUATE	4,596	2,340	50.91%	77	501	09/04/2011 22:00
607	SMITHFIELD	8,616	1,218	14.14%	86	475	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,316	3,041	21.24%	120	787	09/04/2011 23:45
624	TIVERTON	8,108	30	0.37%	29	29	09/03/2011 23:45
621	WARREN	5,704	971	17.02%	22	97	09/03/2011 23:45
605	WARWICK	40,556	5,305	13.08%	362	1,738	09/04/2011 23:45
639	WEST GREENWICH	2,681	844	31.48%	52	286	09/04/2011 23:45
608	WEST WARWICK	14,816	1,898	12.81%	52	528	09/04/2011 23:45
631	WESTERLY	14,137	1,863	13.18%	90	449	09/04/2011 23:45
644	WOONSOCKET	18,238	338	1.85%	41	135	09/04/2011 23:45
		<b>480,281</b>	<b>48,774</b>	<b>10.16%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/01/2011

REPORT TIME: 19:39

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	1,135	16.73%	79	362	09/03/2011 23:45
623	BRISTOL	10,266	809	7.88%	37	150	09/03/2011 23:45
641	BURRILLVILLE	2,573	302	11.74%	11	29	09/03/2011 23:45
646	CENTRAL FALLS	6,976	54	0.77%	7	6	09/04/2011 23:45
633	CHARLESTOWN	5,714	713	12.48%	67	177	09/04/2011 23:45
612	COVENTRY	15,187	2,506	16.50%	115	598	09/04/2011 23:45
604	CRANSTON	35,286	1,170	3.32%	141	309	09/04/2011 23:45
643	CUMBERLAND	14,876	1,198	8.05%	76	229	09/04/2011 23:45
609	EAST GREENWICH	5,993	553	9.23%	50	163	09/04/2011 23:45
603	EAST PROVIDENCE	21,923	1,399	6.38%	104	405	09/03/2011 23:45
634	EXETER	2,899	661	22.80%	43	160	09/04/2011 23:45
611	FOSTER	2,015	1,406	69.78%	17	247	09/04/2011 22:00
614	GLOCESTER	4,488	3,319	73.95%	65	437	09/04/2011 22:00
635	HOPKINTON	3,828	1,250	32.65%	56	423	09/04/2011 23:45
629	JAMESTOWN	3,272	2	0.06%	2	2	09/01/2011 16:00
606	JOHNSTON	13,346	1,208	9.05%	82	442	09/05/2011 12:00
645	LINCOLN	9,756	80	0.82%	36	50	09/04/2011 23:45
625	LITTLE COMPTON	2,544	18	0.71%	16	17	09/02/2011 23:45
628	MIDDLETOWN	7,877	25	0.32%	19	20	09/02/2011 23:45
636	NARRAGANSETT	10,493	184	1.75%	33	75	09/04/2011 23:45
627	NEWPORT	14,936	114	0.76%	16	18	09/02/2011 23:45
613	NORTH KINGSTOWN	12,968	1,233	9.51%	97	339	09/04/2011 23:45
602	NORTH PROVIDENCE	15,908	604	3.80%	41	220	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	567	10.03%	36	154	09/04/2011 23:45
647	PAWTUCKET	32,111	406	1.26%	49	135	09/04/2011 23:45
626	PORTSMOUTH	9,034	19	0.21%	18	20	09/02/2011 23:45
601	PROVIDENCE	68,527	874	1.28%	118	250	09/04/2011 23:45
632	RICHMOND	3,279	874	26.65%	45	290	09/04/2011 23:45
610	SCITUATE	4,596	1,972	42.91%	79	438	09/04/2011 22:00
607	SMITHFIELD	8,616	1,151	13.36%	81	433	09/04/2011 23:45
637	SOUTH KINGSTOWN	14,316	2,095	14.63%	124	646	09/04/2011 23:45
624	TIVERTON	8,108	27	0.33%	26	24	09/03/2011 23:45
621	WARREN	5,704	967	16.95%	24	88	09/03/2011 23:45
605	WARWICK	40,556	4,677	11.53%	336	1,452	09/04/2011 23:45
639	WEST GREENWICH	2,681	770	28.72%	50	254	09/04/2011 23:45
608	WEST WARWICK	14,816	861	5.81%	55	216	09/04/2011 23:45
631	WESTERLY	14,137	1,121	7.93%	81	342	09/04/2011 23:45
644	WOONSOCKET	18,238	379	2.08%	40	138	09/04/2011 23:45
		<b>480,281</b>	<b>36,703</b>	<b>7.64%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/02/2011

REPORT TIME: 7:48

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	990	14.60%	85	330	09/03/2011 23:45
623	BRISTOL	10,266	67	0.65%	18	32	09/03/2011 23:45
641	BURRILLVILLE	2,573	302	11.74%	11	29	09/03/2011 23:45
646	CENTRAL FALLS	6,976	54	0.77%	7	6	09/04/2011 23:45
633	CHARLESTOWN	5,714	688	12.04%	63	161	09/04/2011 23:45
612	COVENTRY	15,187	2,096	13.80%	93	414	09/04/2011 23:45
604	CRANSTON	35,286	979	2.77%	117	255	09/04/2011 22:00
643	CUMBERLAND	14,876	844	5.67%	48	125	09/04/2011 23:45
609	EAST GREENWICH	5,993	551	9.19%	47	160	09/03/2011 23:45
603	EAST PROVIDENCE	21,923	1,197	5.46%	94	374	09/03/2011 23:45
634	EXETER	2,899	680	23.46%	37	160	09/04/2011 23:45
611	FOSTER	2,015	1,901	94.34%	11	64	09/04/2011 20:00
614	GLOCESTER	4,488	2,363	52.65%	87	347	09/04/2011 22:00
635	HOPKINTON	3,828	1,246	32.55%	54	427	09/03/2011 23:45
629	JAMESTOWN	3,272	1	0.03%	1	1	09/01/2011 23:45
606	JOHNSTON	13,346	1,210	9.07%	83	449	09/05/2011 12:00
645	LINCOLN	9,756	65	0.67%	35	41	09/04/2011 23:45
625	LITTLE COMPTON	2,544	17	0.67%	15	16	09/03/2011 23:45
628	MIDDLETOWN	7,877	25	0.32%	19	20	09/02/2011 23:45
636	NARRAGANSETT	10,493	199	1.90%	29	75	09/03/2011 23:45
627	NEWPORT	14,936	87	0.58%	15	17	09/02/2011 23:45
613	NORTH KINGSTOWN	12,968	1,264	9.75%	90	340	09/04/2011 23:45
602	NORTH PROVIDENCE	15,908	271	1.70%	37	88	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	543	9.60%	35	164	09/04/2011 23:45
647	PAWTUCKET	32,111	280	0.87%	42	80	09/04/2011 23:45
626	PORTSMOUTH	9,034	19	0.21%	18	20	09/02/2011 23:45
601	PROVIDENCE	68,527	561	0.82%	93	202	09/04/2011 23:45
632	RICHMOND	3,279	847	25.83%	44	278	09/04/2011 23:45
610	SCITUATE	4,596	1,779	38.71%	94	447	09/04/2011 23:45
607	SMITHFIELD	8,616	846	9.82%	80	332	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,316	1,720	12.01%	122	569	09/04/2011 23:45
624	TIVERTON	8,108	20	0.25%	19	17	09/03/2011 23:45
621	WARREN	5,704	76	1.33%	14	22	09/03/2011 23:45
605	WARWICK	40,556	3,732	9.20%	299	1,149	09/04/2011 23:45
639	WEST GREENWICH	2,681	690	25.74%	38	210	09/04/2011 23:45
608	WEST WARWICK	14,816	756	5.10%	46	152	09/04/2011 23:45
631	WESTERLY	14,137	1,009	7.14%	81	294	09/04/2011 23:45
644	WOONSOCKET	18,238	257	1.41%	30	99	09/04/2011 23:45
		<b>480,281</b>	<b>30,232</b>	<b>6.29%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/02/2011

REPORT TIME: 14:11

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	683	10.07%	71	251	09/03/2011 23:45
623	BRISTOL	10,266	73	0.71%	24	41	09/03/2011 23:45
641	BURRILLVILLE	2,573	141	5.48%	9	22	09/04/2011 23:45
646	CENTRAL FALLS	6,976	55	0.79%	8	7	09/04/2011 23:45
633	CHARLESTOWN	5,714	272	4.76%	55	102	09/04/2011 23:45
612	COVENTRY	15,187	1,384	9.11%	82	368	09/04/2011 23:45
604	CRANSTON	35,286	1,065	3.02%	76	198	09/04/2011 22:00
643	CUMBERLAND	14,876	505	3.39%	31	70	09/04/2011 23:45
609	EAST GREENWICH	5,993	295	4.92%	37	96	09/04/2011 23:45
603	EAST PROVIDENCE	21,923	840	3.83%	70	224	09/03/2011 23:45
634	EXETER	2,899	1,031	35.56%	39	188	09/04/2011 23:45
611	FOSTER	2,015	1,844	91.51%	13	75	09/04/2011 22:00
614	GLOCESTER	4,488	2,312	51.52%	89	353	09/04/2011 22:00
635	HOPKINTON	3,828	863	22.54%	52	345	09/04/2011 23:45
629	JAMESTOWN	3,272	1	0.03%	1	1	09/02/2011 0:00
606	JOHNSTON	13,346	1,077	8.07%	75	409	09/05/2011 12:00
645	LINCOLN	9,756	53	0.54%	31	34	09/04/2011 23:45
625	LITTLE COMPTON	2,544	3	0.12%	3	3	09/02/2011 23:45
628	MIDDLETOWN	7,877	19	0.24%	15	15	09/02/2011 23:45
636	NARRAGANSETT	10,493	250	2.38%	31	81	09/04/2011 23:45
627	NEWPORT	14,936	25	0.17%	11	13	09/02/2011 23:45
613	NORTH KINGSTOWN	12,968	1,216	9.38%	82	322	09/04/2011 23:45
602	NORTH PROVIDENCE	15,908	282	1.77%	35	83	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	457	8.08%	30	147	09/04/2011 23:45
647	PAWTUCKET	32,111	289	0.90%	44	80	09/04/2011 23:45
626	PORTSMOUTH	9,034	19	0.21%	17	19	09/02/2011 23:45
601	PROVIDENCE	68,527	602	0.88%	94	201	09/04/2011 23:45
632	RICHMOND	3,279	788	24.03%	40	263	09/04/2011 23:45
610	SCITUATE	4,596	2,432	52.92%	80	517	09/04/2011 22:00
607	SMITHFIELD	8,616	724	8.40%	76	301	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,316	1,588	11.09%	128	560	09/04/2011 23:45
624	TIVERTON	8,108	8	0.10%	7	6	09/03/2011 23:45
621	WARREN	5,704	142	2.49%	11	30	09/03/2011 23:45
605	WARWICK	40,556	2,856	7.04%	255	919	09/04/2011 23:45
639	WEST GREENWICH	2,681	734	27.38%	43	217	09/04/2011 23:45
608	WEST WARWICK	14,816	475	3.21%	44	150	09/04/2011 23:45
631	WESTERLY	14,137	396	2.80%	59	165	09/04/2011 23:45
644	WOONSOCKET	18,238	197	1.08%	24	91	09/04/2011 23:45
		480,281	25,996	5.41%			

### Customers Out By Locality Excel Report

REPORT DATE: 09/02/2011

REPORT TIME: 19:40

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,783	429	6.32%	59	206	09/03/2011 18:00
623	BRISTOL	10,266	74	0.72%	25	43	09/03/2011 22:00
641	BURRILLVILLE	2,573	36	1.40%	7	18	09/03/2011 13:00
646	CENTRAL FALLS	6,976	53	0.76%	6	5	09/04/2011 23:45
633	CHARLESTOWN	5,714	82	1.44%	24	33	09/04/2011 23:45
612	COVENTRY	15,187	1,261	8.30%	81	319	09/04/2011 23:45
604	CRANSTON	35,286	209	0.59%	60	79	09/04/2011 22:00
643	CUMBERLAND	14,876	430	2.89%	21	47	09/04/2011 23:45
609	EAST GREENWICH	5,993	70	1.17%	21	31	09/03/2011 23:45
603	EAST PROVIDENCE	21,923	558	2.55%	54	173	09/03/2011 23:45
634	EXETER	2,899	988	34.08%	27	174	09/03/2011 23:45
611	FOSTER	2,015	1,529	75.88%	15	88	09/04/2011 22:00
614	GLOCESTER	4,488	1,858	41.40%	93	365	09/04/2011 22:00
635	HOPKINTON	3,828	835	21.81%	49	343	09/03/2011 23:45
629	JAMESTOWN	3,272	0	0.03%	0	0	-
606	JOHNSTON	13,346	638	4.78%	62	254	09/05/2011 12:00
645	LINCOLN	9,756	40	0.41%	17	21	09/04/2011 23:45
625	LITTLE COMPTON	2,544	4	0.16%	4	4	09/02/2011 23:45
628	MIDDLETOWN	7,877	3	0.04%	3	3	09/02/2011 23:45
636	NARRAGANSETT	10,493	243	2.32%	30	80	09/03/2011 23:45
627	NEWPORT	14,936	11	0.07%	10	11	09/03/2011 12:00
613	NORTH KINGSTOWN	12,968	392	3.02%	66	177	09/04/2011 23:45
602	NORTH PROVIDENCE	15,908	134	0.84%	27	53	09/04/2011 23:45
642	NORTH SMITHFIELD	5,655	92	1.63%	12	15	09/04/2011 23:45
647	PAWTUCKET	32,111	221	0.69%	35	61	09/04/2011 23:45
626	PORTSMOUTH	9,034	17	0.19%	15	17	09/03/2011 12:00
601	PROVIDENCE	68,527	406	0.59%	88	124	09/04/2011 23:45
632	RICHMOND	3,279	299	9.12%	38	176	09/04/2011 23:45
610	SCITUATE	4,596	2,332	50.74%	80	513	09/04/2011 22:00
607	SMITHFIELD	8,616	725	8.41%	69	292	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,316	1,341	9.37%	109	479	09/04/2011 23:45
624	TIVERTON	8,108	6	0.07%	5	4	09/03/2011 23:45
621	WARREN	5,704	142	2.49%	11	31	09/03/2011 18:00
605	WARWICK	40,556	1,000	2.47%	173	439	09/04/2011 23:45
639	WEST GREENWICH	2,681	691	25.77%	44	202	09/04/2011 23:45
608	WEST WARWICK	14,816	335	2.26%	36	115	09/04/2011 23:45
631	WESTERLY	14,137	217	1.53%	36	86	09/04/2011 23:45
644	WOONSOCKET	18,238	5	0.03%	5	6	09/04/2011 23:45
		<b>480,281</b>	<b>17706</b>	<b>3.69%</b>			



### Customers Out By Locality Excel Report

REPORT DATE: 09/03/2011

REPORT TIME: 9:00

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,781	323	4.76%	43	162	09/03/2011 22:00
623	BRISTOL	10,264	58	0.57%	25	36	09/03/2011 22:00
641	BURRILLVILLE	2,571	35	1.36%	6	17	09/03/2011 14:00
646	CENTRAL FALLS	6,970	53	0.76%	6	5	09/04/2011 23:45
633	CHARLESTOWN	5,712	24	0.42%	17	20	09/04/2011 23:45
612	COVENTRY	15,180	815	5.37%	64	239	09/04/2011 23:45
604	CRANSTON	35,267	163	0.46%	56	73	09/04/2011 22:00
643	CUMBERLAND	14,874	99	0.67%	11	29	09/04/2011 23:45
609	EAST GREENWICH	5,989	48	0.80%	17	21	09/03/2011 23:45
603	EAST PROVIDENCE	21,914	229	1.04%	42	99	09/03/2011 23:45
634	EXETER	2,893	161	5.57%	13	34	09/04/2011 23:45
611	FOSTER	2,012	364	18.09%	26	32	09/04/2011 22:00
614	GLOCESTER	4,489	1,640	36.53%	93	354	09/04/2011 22:00
635	HOPKINTON	3,824	325	8.50%	19	140	09/04/2011 23:45
606	JOHNSTON	13,334	288	2.16%	42	139	09/05/2011 12:00
645	LINCOLN	9,748	39	0.40%	16	20	09/04/2011 23:45
625	LITTLE COMPTON	2,543	4	0.16%	4	4	09/03/2011 14:00
628	MIDDLETOWN	7,869	1	0.01%	1	1	09/03/2011 14:00
636	NARRAGANSETT	10,486	126	1.20%	12	26	09/03/2011 23:45
627	NEWPORT	14,919	7	0.05%	6	7	09/03/2011 14:00
613	NORTH KINGSTOWN	12,966	384	2.96%	60	174	09/04/2011 23:45
602	NORTH PROVIDENCE	15,898	121	0.76%	18	41	09/04/2011 23:45
642	NORTH SMITHFIELD	5,650	14	0.25%	10	14	09/04/2011 23:45
647	PAWTUCKET	32,080	110	0.34%	27	48	09/04/2011 23:45
626	PORTSMOUTH	9,027	12	0.13%	10	12	09/03/2011 14:00
601	PROVIDENCE	68,462	207	0.30%	65	82	09/04/2011 23:45
632	RICHMOND	3,278	170	5.19%	27	86	09/04/2011 23:45
610	SCITUATE	4,596	1,792	38.99%	95	379	09/04/2011 22:00
607	SMITHFIELD	8,611	601	6.98%	59	260	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,299	718	5.02%	70	293	09/04/2011 23:45
624	TIVERTON	8,106	5	0.06%	4	3	09/03/2011 23:45
621	WARREN	5,702	62	1.09%	10	23	09/03/2011 18:00
605	WARWICK	40,539	942	2.32%	165	404	09/04/2011 23:45
639	WEST GREENWICH	2,681	11	0.41%	7	8	09/03/2011 23:45
608	WEST WARWICK	14,799	244	1.65%	24	87	09/04/2011 23:45
631	WESTERLY	14,133	86	0.61%	28	55	09/04/2011 23:45
644	WOONSOCKET	18,225	5	0.03%	5	5	09/04/2011 23:45
			<b>10,286</b>	<b>2.14%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/03/2011

REPORT TIME: 14:00

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,781	169	2.49%	31	80	09/03/2011 23:45
623	BRISTOL	10,264	67	0.65%	28	31	09/03/2011 22:00
641	BURRILLVILLE	2,571	6	0.23%	5	5	09/04/2011 22:00
646	CENTRAL FALLS	6,970	1	0.01%	1	1	09/04/2011 23:45
633	CHARLESTOWN	5,712	35	0.61%	16	21	09/04/2011 23:45
612	COVENTRY	15,180	623	4.10%	65	206	09/04/2011 23:45
604	CRANSTON	35,267	74	0.21%	44	52	09/04/2011 22:00
643	CUMBERLAND	14,874	11	0.07%	6	7	09/04/2011 23:45
609	EAST GREENWICH	5,989	47	0.78%	16	20	09/03/2011 23:45
603	EAST PROVIDENCE	21,914	170	0.78%	32	73	09/03/2011 23:45
634	EXETER	2,893	92	3.18%	8	10	09/04/2011 23:45
611	FOSTER	2,012	966	48.01%	31	74	09/04/2011 22:00
614	GLOCESTER	4,489	1,175	26.18%	85	289	09/04/2011 22:00
635	HOPKINTON	3,824	314	8.21%	13	132	09/03/2011 23:45
606	JOHNSTON	13,334	141	1.06%	29	78	09/04/2011 22:00
645	LINCOLN	9,748	11	0.11%	11	11	09/04/2011 23:45
625	LITTLE COMPTON	2,543	1	0.04%	1	1	09/03/2011 12:00
636	NARRAGANSETT	10,486	119	1.13%	9	18	09/03/2011 23:45
627	NEWPORT	14,919	1	0.01%	1	1	09/03/2011 12:00
613	NORTH KINGSTOWN	12,966	252	1.94%	63	123	09/04/2011 23:45
602	NORTH PROVIDENCE	15,898	34	0.21%	13	20	09/04/2011 23:45
642	NORTH SMITHFIELD	5,650	12	0.21%	10	12	09/04/2011 23:45
647	PAWTUCKET	32,080	65	0.20%	16	22	09/04/2011 23:45
626	PORTSMOUTH	9,027	1	0.01%	1	1	09/03/2011 18:30
601	PROVIDENCE	68,462	41	0.06%	39	40	09/04/2011 22:00
632	RICHMOND	3,278	65	1.98%	24	34	09/04/2011 23:45
610	SCITUATE	4,596	1,024	22.28%	93	220	09/04/2011 22:00
607	SMITHFIELD	8,611	257	2.98%	43	146	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,299	315	2.20%	47	136	09/04/2011 23:45
624	TIVERTON	8,106	3	0.04%	2	1	09/03/2011 23:45
621	WARREN	5,702	51	0.89%	9	17	09/03/2011 18:00
605	WARWICK	40,539	533	1.31%	123	253	09/04/2011 23:45
639	WEST GREENWICH	2,681	3	0.11%	3	3	09/03/2011 23:45
608	WEST WARWICK	14,799	224	1.51%	24	37	09/04/2011 23:45
631	WESTERLY	14,133	91	0.64%	25	47	09/04/2011 23:45
644	WOONSOCKET	18,225	3	0.02%	3	3	09/04/2011 23:45
			6,997	1.46%			

### Customers Out By Locality Excel Report

REPORT DATE: 09/03/2011

REPORT TIME: 17:14

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,781	79	1.17%	28	52	09/03/2011 23:45
623	BRISTOL	10,264	43	0.42%	22	24	09/03/2011 22:00
641	BURRILLVILLE	2,571	6	0.23%	5	5	09/03/2011 22:00
646	CENTRAL FALLS	6,970	1	0.01%	1	1	09/04/2011 23:45
633	CHARLESTOWN	5,712	37	0.65%	17	23	09/04/2011 23:45
612	COVENTRY	15,180	503	3.31%	52	150	09/04/2011 23:45
604	CRANSTON	35,267	60	0.17%	35	43	09/04/2011 22:00
643	CUMBERLAND	14,874	1	0.01%	1	1	09/04/2011 18:00
609	EAST GREENWICH	5,989	36	0.60%	13	14	09/03/2011 23:45
603	EAST PROVIDENCE	21,914	99	0.45%	21	49	09/04/2011 18:00
634	EXETER	2,893	17	0.59%	8	7	09/03/2011 23:45
611	FOSTER	2,012	272	13.52%	61	79	09/04/2011 22:00
614	GLOCESTER	4,489	700	15.59%	75	190	09/04/2011 22:00
635	HOPKINTON	3,824	234	6.12%	12	100	09/04/2011 23:45
606	JOHNSTON	13,334	120	0.90%	26	70	09/04/2011 22:00
645	LINCOLN	9,748	12	0.12%	12	12	09/04/2011 18:00
625	LITTLE COMPTON	2,543	1	0.04%	1	1	09/03/2011 22:00
636	NARRAGANSETT	10,486	125	1.19%	10	19	09/03/2011 23:45
627	NEWPORT	14,919	1	0.01%	1	1	09/03/2011 22:00
613	NORTH KINGSTOWN	12,966	243	1.87%	56	117	09/04/2011 23:45
602	NORTH PROVIDENCE	15,898	10	0.06%	10	10	09/04/2011 18:00
642	NORTH SMITHFIELD	5,650	9	0.16%	9	9	09/04/2011 23:45
647	PAWTUCKET	32,080	62	0.19%	13	19	09/04/2011 18:00
601	PROVIDENCE	68,462	34	0.05%	32	33	09/04/2011 22:00
632	RICHMOND	3,278	23	0.70%	20	23	09/04/2011 23:45
610	SCITUATE	4,596	753	16.38%	83	165	09/04/2011 22:00
607	SMITHFIELD	8,611	105	1.22%	26	61	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,299	267	1.87%	27	102	09/04/2011 23:45
624	TIVERTON	8,106	3	0.04%	2	1	09/03/2011 23:45
621	WARREN	5,702	51	0.89%	9	17	09/03/2011 18:00
605	WARWICK	40,539	274	0.68%	89	129	09/03/2011 23:45
639	WEST GREENWICH	2,681	2	0.07%	2	2	09/03/2011 23:45
608	WEST WARWICK	14,799	66	0.45%	14	20	09/04/2011 18:00
631	WESTERLY	14,133	61	0.43%	17	26	09/04/2011 23:45
644	WOONSOCKET	18,225	2	0.01%	2	2	09/04/2011 18:00
			<b>4,312</b>	<b>0.90%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: **09/04/2011**  
REPORT TIME: **9:01**

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
622	BARRINGTON	6,781	62	0.91%	21	37	09/03/2011 23:45
623	BRISTOL	10,264	38	0.37%	17	19	09/03/2011 22:00
641	BURRILLVILLE	2,571	4	0.16%	3	3	09/03/2011 22:00
633	CHARLESTOWN	5,712	22	0.39%	12	14	09/04/2011 23:45
612	COVENTRY	15,180	26	0.17%	23	25	09/04/2011 23:45
604	CRANSTON	35,267	59	0.17%	16	24	09/04/2011 22:00
643	CUMBERLAND	14,874	3	0.02%	3	3	09/04/2011 22:00
609	EAST GREENWICH	5,989	7	0.12%	6	7	09/03/2011 23:45
603	EAST PROVIDENCE	21,914	27	0.12%	18	17	09/04/2011 18:00
634	EXETER	2,893	16	0.55%	8	8	09/03/2011 23:45
611	FOSTER	2,012	103	5.12%	40	45	09/04/2011 22:00
614	GLOCESTER	4,489	68	1.51%	50	57	09/04/2011 22:00
635	HOPKINTON	3,824	56	1.46%	8	35	09/04/2011 23:45
606	JOHNSTON	13,334	41	0.31%	13	30	09/04/2011 22:00
645	LINCOLN	9,748	4	0.04%	4	4	09/04/2011 18:00
625	LITTLE COMPTON	2,543	2	0.08%	2	2	09/04/2011 7:45
636	NARRAGANSETT	10,486	29	0.28%	8	8	09/03/2011 23:45
627	NEWPORT	14,919	1	0.01%	1	1	09/03/2011 22:00
613	NORTH KINGSTOWN	12,966	73	0.56%	36	54	09/04/2011 23:45
602	NORTH PROVIDENCE	15,898	7	0.04%	7	7	09/04/2011 22:00
642	NORTH SMITHFIELD	5,650	4	0.07%	3	4	09/04/2011 22:00
647	PAWTUCKET	32,080	45	0.14%	4	6	09/04/2011 22:00
601	PROVIDENCE	68,462	19	0.03%	19	19	09/04/2011 22:00
632	RICHMOND	3,278	10	0.31%	10	8	09/04/2011 23:45
610	SCITUATE	4,596	33	0.72%	27	28	09/04/2011 22:00
607	SMITHFIELD	8,611	17	0.20%	17	16	09/04/2011 22:00
637	SOUTH KINGSTOWN	14,299	40	0.28%	20	23	09/04/2011 23:45
624	TIVERTON	8,106	89	1.10%	4	12	09/04/2011 10:00
621	WARREN	5,702	25	0.44%	5	7	09/04/2011 9:15
605	WARWICK	40,539	126	0.31%	58	75	09/03/2011 23:45
639	WEST GREENWICH	2,681	6	0.22%	6	6	09/03/2011 23:45
608	WEST WARWICK	14,799	14	0.09%	5	7	09/04/2011 18:00
631	WESTERLY	14,133	19	0.13%	7	11	09/04/2011 23:45
			<b>1,095</b>	<b>0.23%</b>			

### Customers Out By Locality Excel Report

REPORT DATE: 09/04/2011  
REPORT TIME: 17:02

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
612	COVENTRY	15,180	1	0.01%	1	1	09/04/2011 15:45
604	CRANSTON	35,267	3	0.01%	3	3	09/04/2011 22:00
609	EAST GREENWICH	5,989	2	0.03%	2	2	09/03/2011 23:45
634	EXETER	2,893	2	0.07%	2	2	09/04/2011 21:00
611	FOSTER	2,012	3	0.15%	1	2	09/04/2011 22:00
614	GLOCESTER	4,489	5	0.11%	5	5	09/04/2011 20:30
635	HOPKINTON	3,824	4	0.10%	4	4	09/04/2011 23:45
606	JOHNSTON	13,334	2	0.01%	2	2	09/04/2011 19:30
645	LINCOLN	9,748	2	0.02%	2	2	09/04/2011 18:00
625	LITTLE COMPTON	2,543	1	0.04%	1	1	09/03/2011 22:00
636	NARRAGANSETT	10,486	2	0.02%	2	2	09/04/2011 15:15
627	NEWPORT	14,919	1	0.01%	1	1	09/03/2011 22:00
613	NORTH KINGSTOWN	12,966	7	0.05%	7	6	09/04/2011 21:30
647	PAWTUCKET	32,080	1	0.00%	1	1	09/04/2011 17:30
626	PORTSMOUTH	9,027	1	0.01%	1	1	09/04/2011 13:15
610	SCITUATE	4,596	1	0.02%	1	1	09/04/2011 20:30
607	SMITHFIELD	8,611	2	0.02%	2	2	09/04/2011 18:00
637	SOUTH KINGSTOWN	14,299	1	0.01%	1	1	09/03/2011 23:45
605	WARWICK	40,539	4	0.01%	4	4	09/04/2011 18:30
639	WEST GREENWICH	2,681	4	0.15%	1	2	
608	WEST WARWICK	14,799	2	0.01%	2	2	09/04/2011 17:00
644	WOONSOCKET	18,225	1	0.01%	1	1	09/04/2011 19:30
			52	0.011%			

### Customers Out By Locality Excel Report

REPORT DATE: 09/04/2011

REPORT TIME: 18:45

Geo Area Id	Geo Area Name	Number Of Customers Served	Number Of Customers Out Of Service	Percent Of Customers Out Of Service	Active Outages	Customer Calls	Estimated Restoration Date/Time
612	COVENTRY	15,180	1	0.01%	1	1	09/04/2011 15:45
604	CRANSTON	35,267	3	0.01%	3	3	09/04/2011 22:00
609	EAST GREENWICH	5,989	1	0.02%	1	1	
634	EXETER	2,893	1	0.03%	1	1	09/04/2011 21:00
611	FOSTER	2,012	3	0.15%	1	2	09/04/2011 22:00
614	GLOCESTER	4,489	1	0.02%	1	1	09/03/2011 22:00
635	HOPKINTON	3,824	1	0.03%	1	1	09/04/2011 23:45
606	JOHNSTON	13,334	2	0.01%	2	2	09/04/2011 19:30
645	LINCOLN	9,748	1	0.01%	1	1	09/04/2011 18:00
636	NARRAGANSETT	10,486	1	0.01%	1	1	
613	NORTH KINGSTOWN	12,966	3	0.02%	3	3	09/04/2011 22:15
610	SCITUATE	4,596	1	0.02%	1	1	09/04/2011 22:15
607	SMITHFIELD	8,611	2	0.02%	2	2	09/04/2011 18:00
605	WARWICK	40,539	1	0.00%	1	1	
			22	0.0046%			

Division 1-7

Request:

Provide the feeder priority list, with number of customers by feeder, and which substation provides source power. Indicate if any of these feeders were affected by Hurricane Irene.

Response:

Attachment DIV 1-7 provides the feeder priority list. Feeders impacted by Hurricane Irene are highlighted. Because Attachment DIV 1-7 contains confidential customer information, the Company is submitting redacted copies of Attachment DIV 1-7, subject to a motion for confidential treatment.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

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Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 1 of 13

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-102K22	CUMBERLAND	VALLEY	102K22	0	1	Lincoln: Lincoln Mall				
Ocean	53-102W41	CUMBERLAND	VALLEY	102W41	420	35	Cumberland: Ralco Way, Branch St Central Falls: Blackstone St, High St		Y	0.5	102W50
Ocean	53-102W42	CUMBERLAND	VALLEY	102W42	66	951	Cumberland: Roosevelt Ave, Fountain St, Tweed St, Benefit St		Y	0.5	107W60
Ocean	53-102W44	CUMBERLAND	VALLEY	102W44	3	1990	Cumberland: Broad St, Mendon St, Martin St Lincoln: Cook St				
Ocean	53-102W50	CUMBERLAND	VALLEY	102W50	1	14	Central Falls: High St, Hunts Rd, Broad St		Y	0.5	102W41
Ocean	53-102W51	CUMBERLAND	VALLEY	102W51	127	2859	Cumberland: Church St, Broad St Lincoln: Front St, Lonsdale St, Westwood Rd Central Falls: Lonsdale St, Higginson St				
Ocean	53-102W52	CUMBERLAND	VALLEY	102W52	1	691	Cumberland: Titus St, Broad St, Meeting Rd Central Falls: Hunt St, Cottage St, Blackstone St				
Ocean	53-102W54	CUMBERLAND	VALLEY	102W54	53	2268	Cumberland: High St, Diamond Hill Rd				
Ocean	53-104J1	CENTRAL FALLS	CENTRAL FALLS	104J1	0	198	Central Falls: Backstone St, Hunt St				
Ocean	53-104J3	CENTRAL FALLS	CENTRAL FALLS	104J3	2	824	Central Falls: Blackstone St, Cowden St				
Ocean	53-104J5	CENTRAL FALLS	CENTRAL FALLS	104J5	3	747	Central Falls: Broad St, Washington St				
Ocean	53-104J7	CENTRAL FALLS	CENTRAL FALLS	104J7	1	1115	Central Falls: High St, Foundry St, Hawes St				
Ocean	53-105K1	NORTH SMITHFIELD	FARNUM	105K1	0	8	Lincoln: Albion Rd, Wellington Rd, Powder Hill Rd				
Ocean	53-106J1	PAWTUCKET	CENTRE ST	106J1	1	807	Pawtucket: Mineral Spring Ave, Quincy St, Conant St, Main St				
Ocean	53-106J3	PAWTUCKET	CENTRE ST	106J3	9	776	Pawtucket: Weeden St, Lonsdale Ave				
Ocean	53-106J7	PAWTUCKET	CENTRE ST	106J7	1	81	Pawtucket: Conant St; Pine St; Barton St				
Ocean	53-107W1	PAWTUCKET	PAWTUCKET	107W1	61	367	Pawtucket: Main St; Roosevelt Ave; Network				
Ocean	53-107W2	PAWTUCKET	PAWTUCKET	107W2			Pawtucket: Main St; Roosevelt Ave; Network				
Ocean	53-107W3	PAWTUCKET	PAWTUCKET	107W3			Pawtucket: Tidewater St, Taft St, East Ave, Main St, Broad St; Network				
Ocean	53-107W43	PAWTUCKET	PAWTUCKET	107W43	6	864	Pawtucket: Centre St, Conant St, Barton St Central Falls: Pine St, Jenks St, Roosevelt St				
Ocean	53-107W49	PAWTUCKET	PAWTUCKET	107W49	0	4	Pawtucket: East Ave, Main St, Armistice Blvd				
Ocean	53-107W50	PAWTUCKET	PAWTUCKET	107W50	7	662	Pawtucket: Armistice Blvd; Mendon Ave, York Ave, Tweed St, Harris St				
Ocean	53-107W51	PAWTUCKET	PAWTUCKET	107W51	1	1029	Pawtucket: Pleasant St, Jefferson Ave, Esten Ave, Fenner St, Moshasuck St				
Ocean	53-107W53	PAWTUCKET	PAWTUCKET	107W53	3	819	Pawtucket: School St, Riverview, Beverage Hill Ave				
Ocean	53-107W60	PAWTUCKET	PAWTUCKET	107W60	3	354	Pawtucket: Maple St, Blackstone St, Central St, Cottage St		Y	1	102W42
Ocean	53-107W61	PAWTUCKET	PAWTUCKET	107W61	0	950	Pawtucket: Taft St, Tyler St, Walcott St, Hasbro Way, Daggett Ave				
Ocean	53-107W62	PAWTUCKET	PAWTUCKET	107W62	21	2176	Pawtucket: Weeden St, Smithfield Ave Central Falls: Rand St, Lonsdale Ave; Pine St, Coats Yard				
Ocean	53-107W63	PAWTUCKET	PAWTUCKET	107W63	5	4285	Pawtucket: Rhodes St, Magill St, Thurston St, Hurley Ave, Fairview Ave, Smithfield Ave				
Ocean	53-107W65	PAWTUCKET	PAWTUCKET	107W65	2	1171	Pawtucket: Dunnell Park ROW, York Ave, Monticello Rd, Newport Ave				
Ocean	53-107W66	PAWTUCKET	PAWTUCKET	107W66	149	289	Pawtucket: Middle Rd, Branch St, Central St Central Falls: Roosevelt St				
Ocean	53-107W80	PAWTUCKET	PAWTUCKET	107W80	6	443	Pawtucket: Pleasant St, Jefferson Ave, Slater St, Lorraine St, Mineral Spring Ave				
Ocean	53-107W81	PAWTUCKET	PAWTUCKET	107W81	5	695	Pawtucket: School St, Delta Dr, Rosemont Ave, Vine St, Orient St, Hyde St				
Ocean	53-107W83	PAWTUCKET	PAWTUCKET	107W83	4	1369	Pawtucket: Pleasant St, Lowden St, Carver St, Moshassuck St				
Ocean	53-107W84	PAWTUCKET	PAWTUCKET	107W84	1004	1449	Pawtucket: School St, Prospect St, Lakeview, York Ave, Newport Ave, Waterman St				
Ocean	53-107W85	PAWTUCKET	PAWTUCKET	107W85	2	367	Pawtucket: Merry St, Cedar St, Pine St, Church St, Main St				
Ocean	53-108W51	WOONSOCKET	RIVERSIDE	108W51	1149	2503	Woonsocket: Social St, Worrall St, Main St, Rathbun St, Diamond Hill Rd Blackstone: Rathbun St Bellingham: S Main St		Y	1	108W60



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Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 2 of 13

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-108W53	WOONSOCKET	RIVERSIDE	108W53	118	2625	Woonsocket: Clinton St, E School St, Main St, Pond St, Gaskill St, Blackstone St, River St				
Ocean	53-108W55	WOONSOCKET	RIVERSIDE	108W55	157	858	Woonsocket: Cumberland Hill Rd, Mendon Rd, Park East Dr Cumberland: CVS, Highland Corp Dr, Maple Ridge Dr				
Ocean	53-108W60	WOONSOCKET	RIVERSIDE	108W60	42	1863	Bellingham: Pulaski Blvd, Wrentham Rd, Harpin St, S Main St, Elm St Wrentham: West St		Y	0.2	108W51 / 344W5
Ocean	53-108W61	WOONSOCKET	RIVERSIDE	108W61	2	3118	Woonsocket: Front St, South Main St, Ballou St, Transit St North Smithfield: Greenville Rd, Pound Hill Rd, Farm St				
Ocean	53-108W62	WOONSOCKET	RIVERSIDE	108W62	115	2902	Woonsocket: Sayles St, Rhodes Ave, Second Ave North Smithfield: Mendon Rd, Eddie Dowling Hwy, St Paul St				
Ocean	53-108W63	WOONSOCKET	RIVERSIDE	108W63	220	3101	Woonsocket: Elm St, Cass Ave, Mendon Rd, Cumberland St				
Ocean	53-108W65	WOONSOCKET	RIVERSIDE	108W65	78	3457	Woonsocket: Florence Dr, Hamlet Rd, Bernon Rd, Manville Rd				
Ocean	53-109J1	PAWTUCKET	COTTAGE STREET	109J1	0	554	Pawtucket: Cottage St, York Ave, Evergreen St				
Ocean	53-109J3	PAWTUCKET	COTTAGE STREET	109J3	2	1277	Pawtucket: Central Ave, Park St, Middle Rd				
Ocean	53-109J5	PAWTUCKET	COTTAGE STREET	109J5	1	1485	Pawtucket: Geo R. Bennet Hwy, East St, Broadway				
Ocean	53-1119	PROVIDENCE	ADMIRAL STREET	1119	0	11	Providence: Corliss St, West River				
Ocean	53-111J1	CENTRAL FALLS	CROSSMAN STREET	111J1	3	1563	Central Falls: Dexter St, Cowden St				
Ocean	53-111J3	CENTRAL FALLS	CROSSMAN STREET	111J3	1	1038	Central Falls: Lonsdale Ave Lincoln: Higginson Ave				
Ocean	53-1123	PROVIDENCE	FRANKLIN SQUARE	1123	1	1	Providence: Allens Ave, Ernest St, Fields Pt Drive				
Ocean	53-1125	PROVIDENCE	FRANKLIN SQUARE	1125	9287	18	Providence: Allens Ave, Terminal Rd, Virginia St				
Ocean	53-112W41	CUMBERLAND	STAPLES	112W41	5	2620	Cumberland: Manville Hill Rd, Mendon Rd Lincoln: Railroad St, Sayles Hill Rd N Smithfield Eddie Dowling Hwy Woonsocket: Highland Corp Drive				
Ocean	53-112W42	CUMBERLAND	STAPLES	112W42	12	2836	Cumberland: Nate Whipple Hwy, Mendon Rd Lincoln: New River Rd				
Ocean	53-112W43	CUMBERLAND	STAPLES	112W43	5	953	Cumberland: West Wrentham Rd, Maple Ridge Dr Woonsocket: Diamond Hill Rd, Highland Corp Dr				
Ocean	53-112W44	CUMBERLAND	STAPLES	112W44	9106	2410	Cumberland: Nate Whipple Hwy, Diamond Hill Rd				
Ocean	53-113J1	PAWTUCKET	DAGGETT	113J1	3	978	Pawtucket: Central Ave, Grand Ave, Perrin St				
Ocean	53-113J2	PAWTUCKET	DAGGETT	113J2	1	588	Pawtucket: Daggett Ave, Benefit St, Rice St				
Ocean	53-1149	PROVIDENCE	FRANKLIN SQUARE	1149	1103	47	Providence: Eddy St, Plain St, Parkis Ave, Waldo St				
Ocean	53-126W40	LINCOLN	WASHINGTON	126W40	1	149	Lincoln: Washington Hwy, Eddie Dowling Hwy, Wilbur Rd, Wellington Rd				
Ocean	53-126W41	LINCOLN	WASHINGTON	126W41	9017	2353	Lincoln: George Washingt Hwy Cumberland: Mendon Rd, Angell Rd, Diamond Hill Rd				
Ocean	53-126W42	LINCOLN	WASHINGTON	126W42	154	479	Lincoln: Albion Rd, Powder Hill Rd, Louisquissett Pike				
Ocean	53-126W50	LINCOLN	WASHINGTON	126W50	16	1464	Lincoln: Blackstoen valley Place, Old Louisquissett Pike, Breakneck Hill Rd, Great Rd				
Ocean	53-126W51	LINCOLN	WASHINGTON	126W51	18	2400	Lincoln: Commerce Rd, River Rd, Old River Rd, Martin St Cumberland: Martin St				
Ocean	53-126W53	LINCOLN	WASHINGTON	126W53	0	7	Lincoln: Lincoln Office - NGC Dispatch				

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Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 3 of 13

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-126W54	LINCOLN	WASHINGTON	126W54	408	764	Lincoln: Old Louisquissett Pike, Twin River Rd, Harris Ave, Cobble Hill Rd, Jenckes Hill Rd				
Ocean	53-127W40	BURRILLVILLE	NASONVILLE	127W40	96	2861	Burrillville: Douglas Pike, Old Sherman Rd, Bronco Hwy North Smithfield: Victory Hwy Maple St, School St				
Ocean	53-127W41	BURRILLVILLE	NASONVILLE	127W41	79	1662	Burrillville: Douglas Pike, Victory Hwy, Main St, backup to Pascoag				
Ocean	53-127W42	BURRILLVILLE	NASONVILLE	127W42	3	675	Burrillville: Pound Hill Rd, Providence Pike, Railroad St, Industrial Dr				
Ocean	53-127W43	BURRILLVILLE	NASONVILLE	127W43	9000	4	Burrillville: supply to Pascoag				
Ocean	53-12J1	PROVIDENCE	HARRIS AVENUE	12J1	1	363	Providence: Atwells Ave, Swiss St				
Ocean	53-12J2	PROVIDENCE	HARRIS AVENUE	12J2	1	671	Providence: West Exchange, Spruce St, Depasquale Ave				
Ocean	53-12J3	PROVIDENCE	HARRIS AVENUE	12J3	0	2	Providence: Promenade St				
Ocean	53-12J4	PROVIDENCE	HARRIS AVENUE	12J4	1	1076	Providence: Federal St, Knight St, Grove St				
Ocean	53-12J5	PROVIDENCE	HARRIS AVENUE	12J5	0	61	Providence: Kinsley Ave, Promenade St, Park St				
Ocean	53-12J6	PROVIDENCE	HARRIS AVENUE	12J6	0	50	Providence: Acorn St, Kinsley Ave, Harris Ave				
Ocean	53-13F1	PROVIDENCE	CLARKSON STREET	13F1	0	376	Providence: Clarkson St, Admiral St, Canal St, Exchange St, Providence Place East, Park St		Y	0.05	76F3 / 79F1 / 13F6
Ocean	53-13F2	PROVIDENCE	CLARKSON STREET	13F2	89	4125	Providence: Filmore St, Chalkstone St, Smith St, Bath St, Mt Pleasant Ave North Providence: Smith St, High Service Ave; Fatima Hospital				
Ocean	53-13F3	PROVIDENCE	CLARKSON STREET	13F3	1	1572	Providence: Whipple St, Douglas St, Silver Spring St, Metcalf St, Frost St, Nashua St				
Ocean	53-13F4	PROVIDENCE	CLARKSON STREET	13F4	8	3501	Providence: Admiral St, Branch Ave, Veazie St North Providence: Woodward St, Mineral Spring Ave				
Ocean	53-13F5	PROVIDENCE	CLARKSON STREET	13F5	6	2982	Providence: Charles St North Providence: Charles St, Mineral Spring Ave Providence: Marriott, Orms St, Admiral St, Park Row, Francis St, Exchange St,				
Ocean	53-13F6	PROVIDENCE	CLARKSON STREET	13F6	1	25	Providence Mall South		Y	0.25	76F3 / 79F1 / 13F1
Ocean	53-13F7	PROVIDENCE	CLARKSON STREET	13F7	0	332	Providence: Haynes St, Jefferson at Providence Place, Providence Mall South				
Ocean	53-13F8	PROVIDENCE	CLARKSON STREET	13F8	1	8	Providence: Randall St, Charlesgate, Promenade St, Providence Mall North				
Ocean	53-13F9	PROVIDENCE	CLARKSON STREET	13F9	6	2775	Providence: Bershire St, Douglas Ave, Branch Ave North Providence: Douglas Ave, Mineral Spring Ave				
Ocean	53-148J1	PAWTUCKET	PAWTUCKET	148J1	3	999	Pawtucket: High St, Exchange St, Armistice Blvd				
Ocean	53-148J3	PAWTUCKET	PAWTUCKET	148J3	9	800	Pawtucket: Church St, Pine St, Cedar St, Brown St, Jefferson St				
Ocean	53-148J5	PAWTUCKET	PAWTUCKET	148J5	0	275	Pawtucket: Dexter St, Barton St, Cross St				
Ocean	53-148J7	PAWTUCKET	PAWTUCKET	148J7	4	1065	Pawtucket: Broadway St, Division St, Prospect St, Walcott St				
Ocean	53-15F1	SCITUATE	HOPE	15F1	9102	2573	Coventry: Knotty Oak Road, Black Rock Rd West Warwick: Fairview Ave, Main St, Maple St				
Ocean	53-15F2	SCITUATE	HOPE	15F2	155	2437	Scituate: Tunk Hill Rd, Main St, Jackson Flat Rd Cranston: Main St, Scituate Ave				
Ocean	53-17W42	NORTH SMITHFIELD	WEST FARNUM	17W42	56	599	N Smithfield: Greenville Rd, Providence Pike				
Ocean	53-17W43	NORTH SMITHFIELD	WEST FARNUM	17W43	2157	2168	N Smithfield: Eddie Dowling Hwy, Louisquissett Pike, Smithfield Rd, Greenville Rd				
Ocean	53-18F1	JOHNSTON	JOHNSTON	18F1	306	1366	Johnston: Atwood Ave, Simmonsville Ave, Central Ave, Plainfield Pike, Shun Pike				
Ocean	53-18F2	JOHNSTON	JOHNSTON	18F2	1	284	Johnston: Atwood Ave, Central Ave, FM Global				
Ocean	53-18F3	JOHNSTON	JOHNSTON	18F3	57	3198	Johnston: Morgan Ave, Atwood Ave Cranston: Plainfield Pike, Atwood Ave				
Ocean	53-18F4	JOHNSTON	JOHNSTON	18F4	0	9	Johnston: Central Ave, Deer View Rd, FM Global				

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-18F5	JOHNSTON	JOHNSTON	18F5	14	3451	Johnston: Boundary St Providence: Hartford At, Atwells Ave, Valley St, Iron Horse Way, Academy Ave				
Ocean	53-18F6	JOHNSTON	JOHNSTON	18F6	11	2065	Johnston: Hartford Ave, Hartford Pike, Old Pocasset Lane				
Ocean	53-18F7	JOHNSTON	JOHNSTON	18F7	111	3041	Johnston: Sunset Ave Cranston: Fletcher St, Dyer Ave, Atwood Ave Providence: Killingly Rd, Duxbury Rd, Plainfield St				
Ocean	53-18F8	JOHNSTON	JOHNSTON	18F8	2	1703	Johnston: Winfield Rd, Hartford Ave				
Ocean	53-18F9	JOHNSTON	JOHNSTON	18F9	24	2615	Johnston: Winfield St, Hartford Pike, Killingly St				
Ocean	53-20F1	EAST PROVIDENCE	PHILLIPSDALE	20F1	1	747	East Providence: Roger Williams Ave, New Road, Newport Ave, West Dr, Taylor Dr				
Ocean	53-20F2	EAST PROVIDENCE	PHILLIPSDALE	20F2	7	1987	East Providence: Roger Williams Ave, Wilson Ave, North Broadway, Don Ave, Ferris Ave				
Ocean	53-21F1	CRANSTON	WEST CRANSTON	21F1	103	2186	Cranston: Hope Rd, Wilbur Ave, Phenix Ave, Natick Ave				
Ocean	53-21F2	CRANSTON	WEST CRANSTON	21F2	7	1250	Cranston: Pippen Orchard Rd, Comstock Parkway Johnston: Plainfield Pike, Peck Hill Rd				
Ocean	53-21F4	CRANSTON	WEST CRANSTON	21F4	99	1761	Cranston: Phenix Ave, Scituate Ave				
Ocean	53-2202	JOHNSTON	JOHNSTON	2202	0	1	Johnston: Oakdale St - Metals Recycling				
Ocean	53-2211	JOHNSTON	JOHNSTON	2211	0	44	Johnston: Salmon St, N. Providence: Wellesley St, Sylvia St, RI College				
Ocean	53-2260	PROVIDENCE	FRANKLIN SQUARE	2260	0	12	Cranston: Broad St Warwick: Warwick Ave				
Ocean	53-23F1	SMITHFIELD	FARNUM PIKE	23F1	46	1519	Smithfield: Farnum Pike, Old County Rd, Esmond Rd, Mountindale Rd, Smithfield Mall				
Ocean	53-23F2	SMITHFIELD	FARNUM PIKE	23F2	8	940	Smithfield: Stillwater Rd, Douglas Pike, Geo Washington Hwy				
Ocean	53-23F3	SMITHFIELD	FARNUM PIKE	23F3	163	1452	Smithfield: Farnum Pike, Pleasant View Ave, John Mowry Rd				
Ocean	53-23F4	SMITHFIELD	FARNUM PIKE	23F4	6	202	Smithfield: Capron Rd, Thurber Blvd, Douglas Pike				
Ocean	53-23F5	SMITHFIELD	FARNUM PIKE	23F5	0	21	Smithfield: Farnum Pike, George Washington Highway, Island Wood - Fidelity				
Ocean	53-23F6	SMITHFIELD	FARNUM PIKE	23F6	226	3384	Smithfield: School St, Whipple Rd, Ridge Rd North Providence Smithfield Rd, Meadowview Blvd, Douglas Pike				
Ocean	53-24J1	PAWTUCKET	FRONT ST	24J1	0	140	Pawtucket: Front St, Middle St Central Falls: Cross St				
Ocean	53-27F1	CRANSTON	PONTIAC	27F1	43	2577	Cranston: Mayfield Ave, East St, New London Ave, Oaklawn Ave Warwick: Knight St				
Ocean	53-27F2	CRANSTON	PONTIAC	27F2	3	63	Cranston: Pontiac Ave, Slater Dr				
Ocean	53-27F3	CRANSTON	PONTIAC	27F3	0	19	Cranston: Sharpe Dr, Kenney Dr				
Ocean	53-27F4	CRANSTON	PONTIAC	27F4	256	531	Cranston: New London Ave, Pontiac Ave, Sockonosssett Cross Rd				
Ocean	53-27F5	CRANSTON	PONTIAC	27F5	13	1482	Cranston: Slater Rd, Budlong Rd, Rangely Rd, Hyde Rd, Route 37				
Ocean	53-27F6	CRANSTON	PONTIAC	27F6	170	3879	Cranston: Worthington Rd, Pettaconsett Ave, Glen Rd, Pontiac Ave, Lawnacre Dr, Harvard St				

REDACTED

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-28J1	PAWTUCKET	HYDE	28J1	10	564	Pawtucket: Hyde Ave, Armistice Blvd				
Ocean	53-28J2	PAWTUCKET	HYDE	28J2	0	1098	Pawtucket: Tobey Ave, Armestice Blvd, Newport Ave, Evergreen Rd				
Ocean	53-2J1	PROVIDENCE	DYER STREET	2J1	2	577	Providence: Steeple St RISD, Angell St, Thayer St, Brook St				
Ocean	53-2J10	PROVIDENCE	DYER STREET	2J10	1	319	Providence: South Main St, Coin St, Williams St, Benefit St, George St				
Ocean	53-2J2	PROVIDENCE	DYER STREET	2J2	0	122	Providence: Friendship St, Richmond St, Chestnut St				
Ocean	53-2J3	PROVIDENCE	DYER STREET	2J3	0	258	Providence: Pine St, Knight St, Westminster St				
Ocean	53-2J4	PROVIDENCE	DYER STREET	2J4	3	136	Providence: Eddy St, Dyer St, Hospital St, Richmond St				
Ocean	53-2J5	PROVIDENCE	DYER STREET	2J5	0	103	Providence: Richmond St, Hospital St, Plain St, Point St				
Ocean	53-2J7	PROVIDENCE	DYER STREET	2J7	1	812	Providence: South Main St, Brook St, Williams St				
Ocean	53-2J8	PROVIDENCE	DYER STREET	2J8	104	265	Providence: Broad St, Westminster St, Cranston St				
Ocean	53-2J9	PROVIDENCE	DYER STREET	2J9	106	449	Providence: Steeple St, Canal St, Angell St, N Main St, Benefit St				
Ocean	53-30J1	PAWTUCKET	LEE STREET	30J1	1	892	Pawtucket: Slade St, Newport Ave, Benefit St				
Ocean	53-30J3	PAWTUCKET	LEE STREET	30J3	1	847	Pawtucket: Lee St, Benefit St, Newport Ave				
Ocean	53-30J5	PAWTUCKET	LEE STREET	30J5	1	781	Pawtucket: Cottage St, Bucklin Ave, Central Ave				
Ocean	53-3320	PROVIDENCE	FRANKLIN SQUARE	3320			Providence: R.I. Hospital				
Ocean	53-3324	PROVIDENCE	FRANKLIN SQUARE	3324	1000	1	Providence: R.I. Hospital				
Ocean	53-34F1	SCITUATE	CHOPMIST	34F1	29	3297	Scituate: Chopmist Hill Rd, Danielson Pike, Rockland Rd, Tunk Hill Rd Foster: Danielson Pike, Foster Ctr Rd, Cucumber Hill Rd, Moosup Valley Rd				
Ocean	53-34F2	SCITUATE	CHOPMIST	34F2	259	2480	Glocester: Victory Hwy, Snake Hill Rd, Anna Wade Rd, Putnam Pike, Reynolds Rd		Y	0.5	34F3
Ocean	53-34F3	SCITUATE	CHOPMIST	34F3	54	831	Scituate: Hartford Pike, Foster: Hartford Pike, Mt. Hygeia Rd Glocester: Reynolds Rd		Y	1	34F2
Ocean	53-36J1	PROVIDENCE	SPRAGUE STREET	36J1	101	614	Providence: Bucklin St, Peace St				
Ocean	53-36J2	PROVIDENCE	SPRAGUE STREET	36J2	5	629	Providence: Harrison St, Bridgman St, Arch St, Pearl St				
Ocean	53-36J4	PROVIDENCE	SPRAGUE STREET	36J4	1	528	Providence: Blackstone St, Lockwood St, Willard Ave				
Ocean	53-36J5	PROVIDENCE	SPRAGUE STREET	36J5	0	558	Providence: Dexter St, Bellvue Ave, Cranston St, Waldo St				
Ocean	53-37J1	PROVIDENCE	ROCHAMBEAU AVENUE	37J1	1	452	Providence: Rochambeau St, North Main St				
Ocean	53-37J2	PROVIDENCE	ROCHAMBEAU AVENUE	37J2	0	587	Providence: Elmgrove Ave				
Ocean	53-37J3	PROVIDENCE	ROCHAMBEAU AVENUE	37J3	0	849	Providence: Hope St, Ninth St, Summitt Ave				
Ocean	53-37J4	PROVIDENCE	ROCHAMBEAU AVENUE	37J4	1	875	Providence: Hope St, Langham Rd				
Ocean	53-37J5	PROVIDENCE	ROCHAMBEAU AVENUE	37J5	1	804	Providence: Summitt Ave, Fourth St, Lorimer Ave				
Ocean	53-38F1	SMITHFIELD	PUTNAM PIKE	38F1	262	3044	Smithfield: Putnam Pike, Pleasant View Ave Glocester: Snake Hill Rd, Putnam Pike, Sawmill Rd				
Ocean	53-38F2	SMITHFIELD	PUTNAM PIKE	38F2	4	512	Smithfield: Putnam Pike, Cedar Swamp Rd, Commerce St				
Ocean	53-38F3	SMITHFIELD	PUTNAM PIKE	38F3	166	1939	Smithfield: Sanderson Rd Johnston: Greenville Ave, Atwood Ave				
Ocean	53-38F4	SMITHFIELD	PUTNAM PIKE	38F4	5	1720	Smithfield: Putnam Pike Johnston: Dean Ave, Serrel Sweet Rd, George Waterman Rd				
Ocean	53-38F5	SMITHFIELD	PUTNAM PIKE	38F5	9	2511	Smithfield: Sanderson Rd, Smith Ave Scituate: West Greenville Rd, Danielson Pike Glocester: West Greenville Rd				
Ocean	53-38F6	SMITHFIELD	PUTNAM PIKE	38F6	1027	2679	Smithfield: Putnam Pike Johnston: Angell Rd North Providence: Waterman Ave, Smith St, Lookout Ave, Reservoir Ave				
Ocean	53-45F2	SMITHFIELD	WEST GREENVILLE	45F2	100	395	Smithfield: W Greenville Rd Glocester: W Greenville Rd, Snake Hill Rd				
Ocean	53-47J1	EAST PROVIDENCE	KENTS CORNER	47J1			East Providence: Harrington St, Alden St				
Ocean	53-47J2	EAST PROVIDENCE	KENTS CORNER	47J2	0	875	East Providence: Hilton Ave, Willett Ave, Crescent View Ave, Metropolitan Park Dr				
Ocean	53-47J3	EAST PROVIDENCE	KENTS CORNER	47J3	2	759	East Providence: Willett Ave, Beverly Rd, Rounds Ave, Woodbine St				

REDACTED

Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 6 of 13

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-47J4	EAST PROVIDENCE	KENTS CORNER	47J4	16	1111	East Providence: Holland Ave, Harrington St, Turner Ave, Willett Ave				
Ocean	53-48F1	EAST PROVIDENCE	WAMPANOAG	48F1	74	3448	E Providence: Warren Ave, Broadway, Lyon St, Grove Ave, Waterman Ave, Williams Ave, Orchard St, Mauran Ave				
Ocean	53-48F2	EAST PROVIDENCE	WAMPANOAG	48F2	4	547	East Providence: Boyd Ave, Warren Ave, Waterman Ave, Almeida Ave, Catamore Blvd, Fairmount Ave				
Ocean	53-48F3	EAST PROVIDENCE	WAMPANOAG	48F3	120	3402	E Providence: Bullocks Point Ave, Forbes St, Amaral Ave, Pawtucket Ave, Wampanoag Trl				
Ocean	53-48F4	EAST PROVIDENCE	WAMPANOAG	48F4	1292	2381	E Providence: Tripps Lane, Wampanoag Trl, Pawtucket Ave, Bradley Hospital				
Ocean	53-48F5	EAST PROVIDENCE	WAMPANOAG	48F5	39	3041	E Providence: Richfield Ave, Fifth St, Allerton Ave, Martin St, South Broadway, Fenmore St				
Ocean	53-48F6	EAST PROVIDENCE	WAMPANOAG	48F6	110	1697	E Providence: Rice Ave, Grosvenor St, Pawtucket Ave, Carlton Ave, Alexander Ave, Sutton Ave, Massasoit Ave, Dexter Rd				
Ocean	53-4F1	BARRINGTON	BARRINGTON	4F1	13	1698	Barrington: ; Prince's Hill Ave, Count Rd, Massasoit Ave, Old River Rd, Kent St East Providence: Wampanoag Trail				
Ocean	53-4F2	BARRINGTON	BARRINGTON	4F2	466	3014	Barrington: Maple Ave, Middle Hwy, Federal St, Lincoln Ave, Washington Rd, N Lake Dr				
Ocean	53-50F2	JOHNSTON	CENTREDALE	50F2	53	1590	N Providence: Mineral Spring Ave, Locust St, Washakie Ave, Fruit Hill Ave				
Ocean	53-50J1	JOHNSTON	CENTREDALE	50J1	2	430	Johnston: Allendale Ave, Woonasquatucket Ave				
Ocean	53-50J2	JOHNSTON	CENTREDALE	50J2	1	5	Johnston: George Waterman Hwy, Putnam Ave				
Ocean	53-50J3	JOHNSTON	CENTREDALE	50J3	3	600	Johnston: Putnam Ave N Providence: Smith St, Allen Ave, Woonasquatucket Ave				
Ocean	53-51F1	BRISTOL	BRISTOL	51F1	73	2064	Bristol: Gooding Ave, Metacom Ave, Woodlawn Ave, Ferry Rd, Narrows Rd, bayview Ave				
Ocean	53-51F2	BRISTOL	BRISTOL	51F2	541	3667	Bristol: Chestnut St, Sherry Ave, Franklin St, High St, Metacom Ave, Wood St, Mt Hope Ave				
Ocean	53-51F3	BRISTOL	BRISTOL	51F3	164	2081	Bristol: Gooding Ave, Broad Common Rd, Hope St, Thames St, Poppasquash Rd, State St				
Ocean	53-5F1	WARREN	WARREN	5F1	8	2021	Barrington: Sowams Rd, New Meadow Rd, County Rd, Rumstick Rd, Bosworth St, Nayatt Rd				
Ocean	53-5F2	WARREN	WARREN	5F2	497	2498	Warren: Market St, Baker St, Kickemuit Rd, Child St, Barton Ave				
Ocean	53-5F3	WARREN	WARREN	5F3	3	2406	Warren: Main St, Franklin St, Metacom Ave Bristol: Metacom Ave, Tupelo St				
Ocean	53-5F4	WARREN	WARREN	5F4	45	3243	Warren: Nobert St, Water St, Campbell St, Vernon St, Main St Bristol: Hope St				
Ocean	53-60J1	PAWTUCKET	SOUTHEAST	60J1	1	342	Pawtucket: York Ave, Scarborough Rd, Beverage Hill Rd				
Ocean	53-60J3	PAWTUCKET	SOUTHEAST	60J3	1	541	Pawtucket: York Ave, Columbus Ave, Division St				
Ocean	53-60J5	PAWTUCKET	SOUTHEAST	60J5	0	458	Pawtucket: Prospect St, Exeter St, School St				
Ocean	53-66J1	CRANSTON	KNIGHTSVILLE	66J1	5	515	Cranston: Phenix Ave, Park Ave, Cranston St				
Ocean	53-66J2	CRANSTON	KNIGHTSVILLE	66J2	1	704	Cranston: Park Ave, Gansett Ave				
Ocean	53-66J3	CRANSTON	KNIGHTSVILLE	66J3	2	835	Cranston: America St, Cranston St, Dyer Ave				
Ocean	53-66J4	CRANSTON	KNIGHTSVILLE	66J4	1	817	Cranston: Macklin St, Dyer Ave, Cranston St, Trainor Ave				
Ocean	53-66J5	CRANSTON	KNIGHTSVILLE	66J5	0	397	Cranston: Palmer Ave, Budlong Rd				
Ocean	53-67J1	CRANSTON	HUNTINGTON PARK	67J1	1	400	Cranston: Niantic Ave, Cranston St				

REDACTED

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-69F1	JOHNSTON	MANTON	69F1	22	3507	Johnston: Killingly St, Greenville Ave, Lee St N Providence Fruit Hill Ave, Woonasquatucket Ave, Smith St				
Ocean	53-69F3	JOHNSTON	MANTON	69F3	24	5349	Providence: Academy Ave, Chalkstone Ave, Manton Ave, Harold St, Mt Pleasant Ave				
Ocean	53-6J1	PROVIDENCE	OLNEYVILLE	6J1	0	827	Providence: Plainfield St, Webster Ave, Laurel Hill Ave				
Ocean	53-6J2	PROVIDENCE	OLNEYVILLE	6J2	4	880	Providence: Messer St, Union Ave, Magnolia St, Pilsudski St				
Ocean	53-6J3	PROVIDENCE	OLNEYVILLE	6J3	3	45	Providence: Aleppo St, Manton Ave, Hartford Ave				
Ocean	53-6J5	PROVIDENCE	OLNEYVILLE	6J5	101	447	Providence: Westminster St, Hammond St, Parade St, Cranston St				
Ocean	53-6J6	PROVIDENCE	OLNEYVILLE	6J6	1	266	Providence: Dike St, Plainfield St, Delaine St				
Ocean	53-6J7	PROVIDENCE	OLNEYVILLE	6J7	30	541	Providence: Laurel Hill Ave, Hartford Ave, Heath St, Plainfield St				
Ocean	53-6J8	PROVIDENCE	OLNEYVILLE	6J8	1	79	Providence: Broadway, Barton St, Tobey St				
Ocean	53-71J1	NORTH PROVIDENCE	GENEVA	71J1	0	683	North Providence: Gentian Ave, Enfield Ave, Wyndham Ave				
Ocean	53-71J2	NORTH PROVIDENCE	GENEVA	71J2	0	199	North Providence: Hillside Dr, Longwood Ave				
Ocean	53-71J3	NORTH PROVIDENCE	GENEVA	71J3	0	549	Providence: Burns St, Douglas Ave, Branch Ave, General St				
Ocean	53-71J4	NORTH PROVIDENCE	GENEVA	71J4	2	588	North Providence: Smithfield Rd, Cushing St, Douglas Ave, Lexington St				
Ocean	53-71J5	NORTH PROVIDENCE	GENEVA	71J5	0	1282	Providence: Admiral St, River Ave				
Ocean	53-73J1	CRANSTON	AUBURN	73J1	2	197	Cranston: Third Ave, Galveston St, Wheatland Ave				
Ocean	53-73J2	CRANSTON	AUBURN	73J2	0	263	Cranston: Allen Ave, Harper Ave, Mapleton St				
Ocean	53-73J3	CRANSTON	AUBURN	73J3	0	292	Cranston: Second Ave, Elmwood Ave, Burbank Ave				
Ocean	53-73J4	CRANSTON	AUBURN	73J4	1	43	Cranston: Wellington Ave, Clarence St				
Ocean	53-73J5	CRANSTON	AUBURN	73J5	2	944	Cranston: Doric Ave, Arthur St, Auburn St				
Ocean	53-73J6	CRANSTON	AUBURN	73J6	0	438	Cranston: Forest Ave, Wellington Ave, Mapleton Ave, Milford Ave				
Ocean	53-76F1	PROVIDENCE	POINT STREET	76F1	1307	1965	Providence: E George St, Slater St, Blackstone Blvd, Sessions St, Rochambeau Ave				
Ocean	53-76F2	PROVIDENCE	POINT STREET	76F2	58	2863	Providence: Oxford St, Ocean St, Gordon St, Melrose St, Sackett St				
Ocean	53-76F3	PROVIDENCE	POINT STREET	76F3	0	52	Providence: Point St, Westin Hotel, Water Place, Capital Cove, Steeple St, Exchange Terrace, Citizens Plaza	Y	0.05	13F1 / 13F6 / 79F1	
Ocean	53-76F4	PROVIDENCE	POINT STREET	76F4	109	4215	Providence: Public St, Potters St, Prairie Ave, Hamilton St, Dexter St, Webster Ave Cranston: Cranston St				
Ocean	53-76F5	PROVIDENCE	POINT STREET	76F5	258	4020	Providence: Point St, Prairie Ave, Pearl St, Cargill St, West Fountain St, Carpenter St, Sycamore St, Wood St, Union Ave				
Ocean	53-76F6	PROVIDENCE	POINT STREET	76F6	7	2278	Providence: Eddy St, Nebraska St, Pavillion St, Early St, Cadillac Dr, California St				
Ocean	53-76F7	PROVIDENCE	POINT STREET	76F7	9063	2377	Providence: Allens Ave, Terminal Rd, Shipyard St, Harborside Blvd Cranston: Northrup St, Broad St, Grand Ave, Bayview Rd, Narragansett Rd				
Ocean	53-76F8	PROVIDENCE	POINT STREET	76F8	2	560	Providence: Allens Ave, Ernest St, Chapman St				
Ocean	53-77J1	PROVIDENCE	EAST GEORGE ST	77J1	0	866	Providence: Gano St, East Manning St, Wayland Ave, Governor St, Waterman Ave, Cooke St				
Ocean	53-77J2	PROVIDENCE	EAST GEORGE ST	77J2	0	1035	Providence: Ives St, Angel St, Arlington St, Medway St, Hope St				
Ocean	53-77J3	PROVIDENCE	EAST GEORGE ST	77J3	56	1576	Providence: Ives St, Wickendon Rd, Williams St				
Ocean	53-77J4	PROVIDENCE	EAST GEORGE ST	77J4	0	520	Providence: Waterman Ave, Power St, Wayland Ave Gladdings St; Hope St; Brooke St				
Ocean	53-78F1	EAST PROVIDENCE	WATERMAN AVE	78F1			Spare				
Ocean	53-78F2	EAST PROVIDENCE	WATERMAN AVE	78F2			Spare				
Ocean	53-78F3	EAST PROVIDENCE	WATERMAN AVE	78F3	11	1282	E Providence: Goldsmith Ave, Pawtucket Ave, King Phillip Rd, North Broadway, Woodward Ave, Waterman Ave				

REDACTED

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	53-78F4	EAST PROVIDENCE	WATERMAN AVE	78F4	9010	793	E Providence: Commercial Way, Taunton Ave, Center St, Newman Ave				
Ocean	53-79F1	PROVIDENCE	LIPPITT HILL	79F1	141	419	Providence: Charlesgate, Mashassuck Apts, State St, N Main St, RI State House and DOT, Promenade St, West Exchange St		Y	0.9	13F1
Ocean	53-79F2	PROVIDENCE	LIPPITT HILL	79F2	1002	2199	Providence: Doyle St, Camp St, Stenton Ave, N Main St, 7th St, Dexterdale Rd				
Ocean	53-7F1	PROVIDENCE	ELMWOOD	7F1	106	2950	Cranston: Station St, Beckwith St, Pond St, Park Ave, Fenner St, Elmwood St				
Ocean	53-7F2	PROVIDENCE	ELMWOOD	7F2	106	3442	Providence: Rounds Ave, Reservoir St Cranston: Douglas St, Burnham St, Field St, Lambert St, Cranston St, Chestnut Hill Rd, Cranston Parkade				
Ocean	53-7F4	PROVIDENCE	ELMWOOD	7F4	43	2624	Providence: Adelaide Ave, Reservoir St, Narragansett Ave, Margaraet St Cranston: Legion Way, Reservoir St, Pontiac Ave				
Ocean	53-9J1	PROVIDENCE	ADMIRAL STREET	9J1	1	923	Providence: Douglas Ave, Admiral St, Huxley Ave, Veazie St				
Ocean	53-9J2	PROVIDENCE	ADMIRAL STREET	9J2	5	167	Providence: Corliss St, Industrial Dr, N Main St				
Ocean	53-9J3	PROVIDENCE	ADMIRAL STREET	9J3	3	775	Providence: Randall St, Olney St, Prospect St				
Ocean	53-9J5	PROVIDENCE	ADMIRAL STREET	9J5	6	284	Providence: Admiral St, Camden Ave, Douglas Ave, Chad Brown St				
Ocean	56-122J2	MIDDLETOWN	SOUTH AQUIDNECK	122J2	35	721	Middletown: Aquidneck Ave, Purgatory Rd, Tuckerman Ave				
Ocean	56-122J4	MIDDLETOWN	SOUTH AQUIDNECK	122J4	29	728	Middletown: Paradise Ave, Purgatory Rd, Aquidneck Ave				
Ocean	56-122J6	MIDDLETOWN	SOUTH AQUIDNECK	122J6	200	96	Middletown: John Clarke Rd, Johnnycake Hill Rd				
Ocean	56-131J12	NEWPORT	KINGSTON	131J12	3	437	Newport: Warner St, Marlborough St, Bridge St, Washington St, Hyatt				
Ocean	56-131J14	NEWPORT	KINGSTON	131J14	1	312	Newport: Goat Island, Long Wharf Mall, Brick Marketplace, Pond Ave, Marlborough St				
Ocean	56-131J2	NEWPORT	KINGSTON	131J2	56	1008	Newport: Kingston Ave, Wheatland Blvd, Marlboro St				
Ocean	56-131J4	NEWPORT	KINGSTON	131J4	0	500	Newport: Van Zandt Ave, Third St, Marriot				
Ocean	56-131J6	NEWPORT	Kingston	131J6	6	490	Newport: Warner St, Congdon Ave, Van Zandt Ave				
Ocean	56-146J12	NEWPORT	HOSPITAL	146J12	1000	1	Newport Hospital				
Ocean	56-146J14	NEWPORT	HOSPITAL	146J14	2	494	Newport: Broadway, Cranston Ave, Washington Sq				
Ocean	56-146J2	NEWPORT	HOSPITAL	146J2	1	890	Newport: Malbone Rd, Broadway, Kay St				
Ocean	56-146J4	NEWPORT	HOSPITAL	146J4	1000	1	Newport Hospital				
Ocean	56-14F1	WARWICK	DRUMROCK	14F1	1012	3264	Warwick: Centerville Rd, Post Rd, Long St, Tollgate Rd, Buttonwoods Rd, Ingersoll Rd				
Ocean	56-14F2	WARWICK	DRUMROCK	14F2	51	935	Warwick: Vets Memorial Dr, Greenwich Ave, Post Rd				
Ocean	56-14F3	WARWICK	DRUMROCK	14F3	108	1119	Warwick: Tollgate Rd, Bald Hill Rd, Providence St West Warwick: Providence St, Junior St				
Ocean	56-14F4	WARWICK	DRUMROCK	14F4	2	866	Warwick: Centerville Rd, Bald Hill Rd				
Ocean	56-154J14	NEWPORT	WEST HOWARD	154J14	5	667	Newport: Spring St, Franklin St				
Ocean	56-154J16	NEWPORT	WEST HOWARD	154J16	3	173	Newport: Mary St, Clark Cook House, Seaman's Institute, The Moorings				
Ocean	56-154J18	NEWPORT	WEST HOWARD	154J18	8	1088	Newport: Golden Hill St, Spring St, Lee Ave, Wellington Ave				
Ocean	56-154J2	NEWPORT	WEST HOWARD	154J2	1	201	Newport: Thames St, Perry Mill, Bayview Club				
Ocean	56-154J4	NEWPORT	WEST HOWARD	154J4	49	25	Newport: Harbor Hotel, Long Wharf, Marriot, Yacht Club				
Ocean	56-154J6	NEWPORT	WEST HOWARD	154J6	1	301	Newport: America's Cup Blvd, Wharf Dell, Black Pearl, Touro St				
Ocean	56-154J8	NEWPORT	WEST HOWARD	154J8	6	656	Newport: Thames St, Narragansett Ave, Webster St				

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Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 9 of 13

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	56-16F1	WESTERLY	WESTERLY	16F1	174	2645	Westerly: Oak St, Naragansett Ave, Ward Ave, Bradford Rd, Mountain Ave				
Ocean	56-16F2	WESTERLY	WESTERLY	16F2	12	1257	Westerly: Pierce St, High St, Broad St, Beach St, School St				
Ocean	56-16F3	WESTERLY	WESTERLY	16F3	2199	2121	Westerly: Tower St, Wilson St, Wells St, Franklin St				
Ocean	56-16F4	WESTERLY	WESTERLY	16F4	134	2052	Westerly: Perkins Ave, Canal St, Friendship St, John St, East Ave, Watch Hill Rd				
Ocean	56-17F1	SOUTH KINGSTOWN	WAKEFIELD	17F1	17	2742	South Kingstown: MacArthur Blvd Narragansett: Point Judith Rd, Sand Hill Cove Rd, Great island Rd				
Ocean	56-17F2	SOUTH KINGSTOWN	WAKEFIELD	17F2	160	2876	South Kingstown: Pershing Ave Narragansett: Kingstown Rd, Ocean Rd, Woodruff Rd				
Ocean	56-17F3	SOUTH KINGSTOWN	WAKEFIELD	17F3	2095	1874	South Kingstown: Old Tower Hill Rd, Tower Hill Rd, Kenyon St Narragansett: Wanda St, Caswell St, Boon St, Narragansett Ave				
Ocean	56-19J14	MIDDLETOWN	BAILEY BROOK	19J14	4	238	Middletown: E Main Rd, Commercial St, W Main Rd, Dexter St				
Ocean	56-19J16	MIDDLETOWN	BAILEY BROOK	19J16	0	53	Middletown: Rego Rd, Maplewood Rd				
Ocean	56-19J2	MIDDLETOWN	BAILEY BROOK	19J2	0	274	Middletown: High St, O'Neil Blvd, Boulevard Rd				
Ocean	56-21J2	MIDDLETOWN	NORTH AQUIDNECK	21J2	2	197	Middletown: North Aquidneck Ave, Green End Ave				
Ocean	56-21J4	MIDDLETOWN	NORTH AQUIDNECK	21J4	154	558	Middletown: Turner Rd, Wyatt Rd, Green End Ave				
Ocean	56-21J6	MIDDLETOWN	NORTH AQUIDNECK	21J6	510	345	Middletown: E Main Rd, Forest Ave, Airport				
Ocean	56-2224	WARWICK	DRUMROCK	2224	0	3	Warwick: Main Ave, Jefferson Blvd, Service Ave				
Ocean	56-22F1	WARWICK	KENT COUNTY	22F1	2	2372	Warwick: Major Potter Rd, Quaker Lane, East Greenwich Ave Coventry: New London Tpke				
Ocean	56-22F2	WARWICK	KENT COUNTY	22F2	101	2533	Warwick: Cowesett Rd, Diamond Hill Rd, Post Rd, Arnold Rd				
Ocean	56-22F3	WARWICK	KENT COUNTY	22F3	6	2422	Warwick: Quaker Lane, Centerville Rd West Warwick: Main St, New London Ave, Factory St				
Ocean	56-22F4	WARWICK	KENT COUNTY	22F4	3	2353	Warwick: Cowesett Rd, Love Ln West Warwick: Cowesett Rd, Quaker Lane				
Ocean	56-23J12	NEWPORT	VERNON	23J12	2	302	Newport: Broadway, Admiral Kalbfus Rd, Hillside Ave, Beacon St				
Ocean	56-23J14	NEWPORT	VERNON	23J14	54	526	Newport: Vernon Ave, Miantonomi Ave, Bliss Mine Rd				
Ocean	56-23J2	NEWPORT	VERNON	23J2	0	608	Newport: Vernon Ave, Bedlow Ave, Malbone Ave, Halsey St				
Ocean	56-23J4	NEWPORT	VERNON	23J4	0	1034	Newport: Almy St, Bliss Rd, Eustis Ave, Kay St				
Ocean	56-23J6	NEWPORT	VERNON	23J6	3	258	Newport: Mann Ave, Central St				
Ocean	56-28F1	WARWICK	WARWICK MALL	28F1	0	341	Warwick: Warwick Mall; Warwick Mall Apts				
Ocean	56-28F2	WARWICK	WARWICK MALL	28F2	0	119	Warwick: Warwick Mall; Warwick Mall Apts				
Ocean	56-29F1	WARWICK	NATICK	29F1	157	3126	Warwick: East Ave West Warwick: Providence St, Wakefield St Cranston: Country Lane				
Ocean	56-29F2	WARWICK	NATICK	29F2	1	173	Warwick: East Ave, Commonwealth Ave, Bald Hill Rd				
Ocean	56-30F1	NORTH KINGSTOWN	LAFAYETTE	30F1	71	1571	N Kingstown: Quaker Lane, Ten Rod Rd, Old Baptist Rd Exeter: Ten Rod Rd, New London Tpke				
Ocean	56-30F2	NORTH KINGSTOWN	LAFAYETTE	30F2	451	2200	N Kingstown: Ten Rod Rd, Oak Hill Rd, Tower Hill Rd, Phillips St, Post Rd, Hopedale Dr				
Ocean	56-31J1	WARWICK	PAWTUXET	31J1	1	72	Warwick: Bellows St, Pioneer Ave				
Ocean	56-31J2	WARWICK	PAWTUXET	31J2	3	1037	Warwick: Post Rd, Broad St				



### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	56-32J12	NEWPORT	HARRISON	32J12	207	468	Newport: Fort Adams, Harrison Ave, Ridge Rd				
Ocean	56-32J14	NEWPORT	HARRISON	32J14	5	554	Newport: Brenton Rd, Wickham Rd, Cogeshall Ave, Bancroft St				
Ocean	56-32J2	NEWPORT	HARRISON	32J2	4	585	Newport: Morton Ave, Gordon St, Coggeshall Ave				
Ocean	56-32J4	NEWPORT	HARRISON	32J4	5	458	Newport: Ocean Ave, Carroll St, Brenton Rd				
Ocean	56-33F1	TIVERTON	TIVERTON	33F1	57	2636	Tiverton: Eagleville Rd, Stafford Rd, Fish Rd, Hooper St				
Ocean	56-33F2	TIVERTON	TIVERTON	33F2	9006	2523	Tiverton: Souza Rd, Main Rd, Russell Dr				
Ocean	56-33F3	TIVERTON	TIVERTON	33F3	134	2785	Tiverton: Bulgarmarsh Rd, Main Rd, East Rd L Compton: Meetinghouse Ln; West Main Rd, Simmons Rd				
Ocean	56-33F4	TIVERTON	TIVERTON	33F4	275	3434	Tiverton: Bulgarmarsh Rd, Fish Rd, Crandall Rd Little Compton: Crandall Rd, Snell Rd, Colebrook Rd Westport: Westport Harbor Rd, Brayton Rd				
Ocean	56-36W41	PORTSMOUTH	DEXTER	36W41	207	2059	Portsmouth: Freebron St, E Main Rd, Park Ave, Boyd's Lane				
Ocean	56-36W42	PORTSMOUTH	DEXTER	36W42	55	1806	Portsmouth: West Dexter St, Turnpike Ave, West Shore Rd, Bristol Ferry Rd, Anthony Rd				
Ocean	56-36W43	PORTSMOUTH	DEXTER	36W43	3	1711	Portsmouth: Hedley Rd, E Main Rd, Schoolhouse Lane				
Ocean	56-36W44	PORTSMOUTH	DEXTER	36W44	7	2080	Portsmouth: Prudence Island, Corys Ln, Mill Lane, Willow Lane, W Main Rd				
Ocean	56-37J2	PORTSMOUTH	JEPSON	37J2	0	191	Portsmouth: Jepson Lane, Oliphant Lane				
Ocean	56-37J4	PORTSMOUTH	JEPSON	37J4	0	279	Portsmouth: Oliphant Lane, West Main Rd				
Ocean	56-37W41	PORTSMOUTH	JEPSON	37W41	454	706	Portsmouth: W Main Rd, Union St, Raytheon				
Ocean	56-37W42	PORTSMOUTH	JEPSON	37W42	8	1702	Middletown: W Main Rd				
Ocean	56-37W43	PORTSMOUTH	JEPSON	37W43	9266	2973	Portsmouth: Moitoza Lane, E Main Rd, Braman's Ln Middletown: E Main Rd, Wapping Rd, Valley Rd, Green End Ave Newport: Coddington Hwy, Girard Ave				
Ocean	56-38J2	NEWPORT	GATE TWO	38J2	6	498	Newport: Third St, Admiral kalbfus Rd				
Ocean	56-38J4	NEWPORT	GATE TWO	38J4	75	640	Newport: Connell Hwy Middletown: Maple Ave				
Ocean	56-3F1	WARWICK	APPONAUG	3F1	507	2271	Warwick: Main Ave, Brentwood Ave, Strawberry Field Rd, West Shore Rd				
Ocean	56-3F2	WARWICK	APPONAUG	3F2	7	2066	Warwick: Post Rd, West Shore Rd, Stone Rd, Sandy Lane				
Ocean	56-40F1	WARWICK	HUNT RIVER	40F1	24	1029	North Kingstown: Post Rd East Greenwich: Grandview Rd, Eugene St, Middle Rd, Kenyon Ave				
Ocean	56-41F1	HOPKINTON	HOPE VALLEY	41F1	3	1995	Hopkinton: Main St, Spring St Richmond: Nooseneck Hill Rd, Main St				
Ocean	56-42F1	NARRAGANSETT	BONNET 42	42F1	55	2848	Narragansett: South Ferry Rd, Boston Neck Rd, Bonnet Shores Rd, Conanicut Rd, Mettatuxet Rd, Treasure Rd				

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	56-43F1	HOPKINTON	ASHAWAY	43F1	57	2304	Hopkinton: Oak St, Main St Hwy 3, Wellstown Rd Westerly: Ashaway Rd				
Ocean	56-45J2	JAMESTOWN	ELDRED	45J2	0	674	Jamestown: Beacon Ave, Frigate St				
Ocean	56-45J4	JAMESTOWN	ELDRED	45J4	66	568	Jamestown: Weeden Ln, N Main Rd, East Shore Rd				
Ocean	56-45J6	JAMESTOWN	ELDRED	45J6	2	459	Jamestown: North Main Rd				
Ocean	56-46F1	NORTH KINGSTOWN	OLD BAPTIST ROAD	46F1	7	1372	N Kingstown: Old Baptist Rd, South Rd E Greenwich: South Rd, South County Trail, Frenchtown Rd;				
Ocean	56-46F2	NORTH KINGSTOWN	OLD BAPTIST ROAD	46F2	13	2554	N Kingstown: School St, Post Rd, Essex Rd, Newcomb Rd Warwick: Forge Rd				
Ocean	56-46F3	NORTH KINGSTOWN	OLD BAPTIST ROAD	46F3	6	1907	N Kingstown: Davisville Rd, Post Rd, Austin Ave E Greenwich: Frenchtown Rd, Post Rd Warwick: Potowomut Rd, Ives Rd, Forge Rd				
Ocean	56-46F4	NORTH KINGSTOWN	OLD BAPTIST ROAD	46F4	16	1466	N Kingstown: Old baptist Rd, Stoney Lane, Quaker Lane, Devil's Foot Rd, West Davisville Rd				
Ocean	56-49J1	WEST WARWICK	ARCTIC	49J1	2	624	West Warwick: Gough Ave, Main St				
Ocean	56-49J2	WEST WARWICK	ARCTIC	49J2	3	479	West Warwick: Main St, E Main St, Bridge St				
Ocean	56-49J3	WEST WARWICK	ARCTIC	49J3	2	783	West Warwick: Gough Ave, Read Ave, Pond St				
Ocean	56-49J4	WEST WARWICK	ARCTIC	49J4	4	611	West Warwick: Payan St, Curson St, Main St				
Ocean	56-51J12	NEWPORT	MERTON	51J12	2	274	Newport: Middleton Ave, Merton Rd, Freebody St, Bellevue Ave				
Ocean	56-51J14	NEWPORT	MERTON	51J14	2	91	Newport: Memorial Blvd, Bellevue Ave, Viking Hotel				
Ocean	56-51J16	NEWPORT	MERTON	51J16	101	857	Newport: Merton Rd, Annandale Ave, Parker Ave, Spring St				
Ocean	56-51J2	NEWPORT	MERTON	51J2	20	770	Newport: Chapel St, Old Beach Rd, Rhode Island Ave, Eustis Ave				
Ocean	56-52F1	WARWICK	WARWICK	52F1	52	1623	Warwick: West Shore Rd, Warwick Ave, Church Ave, Sandy Lane				
Ocean	56-52F2	WARWICK	WARWICK	52F2	2	1716	Warwick: West Shore Rd, Oakland Beach Ave, Sandy Lane				
Ocean	56-52F3	WARWICK	WARWICK	52F3	54	2585	Warwick: Warwick Neck Ave, Samuel Gorton Ave, Longmeadow Ave, Rocky Point Ave				
Ocean	56-54F1	COVENTRY	COVENTRY	54F1	65	3225	Coventry: Hill Farm Rd, Flat River Rd, Harkney Hill Rd, Log Bridge Rd, Victory Hwy				
Ocean	56-57J1	WARWICK	LAKEWOOD	57J1	0	298	Warwick: Post Rd, Warwick Ave, Quinton St				
Ocean	56-57J2	WARWICK	LAKEWOOD	57J2	2	609	Warwick: Lakewood Ave, Atlantic Ave, North Country Club Rd, Narragansett Parkway				
Ocean	56-57J3	WARWICK	LAKEWOOD	57J3	0	1038	Warwick: Lakewood Ave, Harrison Ave, Fair St, Longwood Ave				
Ocean	56-57J4	WARWICK	LAKEWOOD	57J4	5	978	Warwick: Holmes Rd, Warwick Ave Cranston: Broad St, Warwick Ave				
Ocean	56-57J5	WARWICK	LAKEWOOD	57J5	1	1127	Warwick: Brook St, Jefferson St, Fair St, Atlantic Ave, Narragansett Pkwy, Washington St				
Ocean	56-59F1	SOUTH KINGSTOWN	PEACEDALE	59F1	12	1066	S Kingstown: Kingstown Rd, Morresfield Rd, South Rd, Old North Rd				
Ocean	56-59F2	SOUTH KINGSTOWN	PEACEDALE	59F2	1034	2492	S Kingstown & Wakefield: Kersey Rd, Curtis Corner Rd, High St, Kingstown Rd, Main St				
Ocean	56-59F3	SOUTH KINGSTOWN	PEACEDALE	59F3	52	2753	S Kingstown & Wakefield: Post Rd, Commander Perry Highway, South Rd, Succotash Rd, Tuckertown Rd Narragansett: Woodruff Rd				
Ocean	56-59F4	SOUTH KINGSTOWN	PEACEDALE	59F4	18	1073	S Kingstown & Wakefield: Saugatucket Rd, North Rd, Kingstown Rd				
Ocean	56-61F1	WARWICK	DIVISION ST	61F1	3	543	E Greenwich: Division Rd, Crompton Rd West Warwick: Murphy Industrial Dr, Amtrol Coventry: Arnold Rd				
Ocean	56-61F2	WARWICK	DIVISION ST	61F2	54	1535	E Greenwich: Division Rd, Pierce St, London St, Main St, Post Rd				

REDACTED

### FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	56-61F3	WARWICK	DIVISION ST	61F3	108	818	E Greenwich: Middle Rd; South County Trl				
Ocean	56-61F4	WARWICK	DIVISION ST	61F4	2	438	West Warwick: Quaker Lane, J P Murphy Ind Hwy				
Ocean	56-63F1	WEST GREENWICH	HOPKINS HILL	63F1	1	8	West Greenwich: G-Tech, Technology Park				
Ocean	56-63F2	WEST GREENWICH	HOPKINS HILL	63F2	4	1539	West Greenwich: Hopkins Hill Rd, Division Rd, New London Tpke East Greenwich: Middle Rd Coventry: Arnold Rd, Salvas Ave				
Ocean	56-63F3	WEST GREENWICH	HOPKINS HILL	63F3	7	3143	Coventry: Mishnock Rd, Nooseneck Hill Rd, Tiogue Ave, Harkney Hill Rd, Hill Farm Rd				
Ocean	56-63F4	WEST GREENWICH	HOPKINS HILL	63F4	6	1433	West Greenwich: Technology Way Coventry: Tiogue Ave, Hopkins Hill Rd, Dante Blvd				
Ocean	56-63F5	WEST GREENWICH	HOPKINS HILL	63F5	21	3595	Coventry: Johnson Blvd, Wood Rd, Tiogue Ave, Laurel Ave West Warwick: Main St, New London Tpke, Pulaski St				
Ocean	56-63F6	WEST GREENWICH	HOPKINS HILL	63F6	178	2571	W Greenwich: Nooseneck Hill Rd, Victory Hwy, Plain Meetinghouse Rd Exeter: Victory Hwy, Nooseneck Hill Rd Richmond: Baker's Pine Rd, Nooseneck Hill Rd				
Ocean	56-64F1	COVENTRY	ANTHONY	64F1	64	2003	Coventry: Washington St, Flat River Rd, Main St, Knotty Oak Rd, S Main St				
Ocean	56-64F2	COVENTRY	ANTHONY	64F2	10	2442	Coventry: Laurel Ave, Pulaski St, Washington St West Warwick: West Warwick Ave, Washington St				
Ocean	56-65J12	JAMESTOWN	CLARKE STREET	65J12	5	568	Jamestown: Southwest Ave, High St, Clarke St, Beavertail Rd				
Ocean	56-65J2	JAMESTOWN	CLARKE STREET	65J2	72	996	Jamestown: Clarke St, N Main Rd, Narragansett Ave, Green Ln, High St, Knowles Ct				
Ocean	56-68F1	CHARLESTOWN	KENYON	68F1	23	2495	Charlestown: Shannock Rd, S County Trl South Kingstown: Kingstown Rd, Usquepaugh Rd, South Country Trl, Fairgrounds Rd Richmond: S County Trl				
Ocean	56-68F2	CHARLESTOWN	KENYON	68F2	14	4080	S Kingstown & Wakefield: Gravelly Hill Rd, Matunuck Beach Rd; Post Rd, Commander Perry Hghwy				
Ocean	56-68F3	CHARLESTOWN	KENYON	68F3	158	4169	Charlestown: S County Trl, Old Post Rd, Matunuck School Rd Westerly: Post Rd, Shore Rd				
Ocean	56-68F4	CHARLESTOWN	KENYON	68F4	3	1562	Charlestown: S County Trl, Sand Plain Rd, Carolina Back Rd Richmond: Richmond Town House Rd, Kingstown Rd, Stilson Rd, Main St				
Ocean	56-68F5	CHARLESTOWN	KENYON	68F5	3	81	Charlestown: Shannock Rd, South County Trl, Great Neck Rd, Fairgrounds Rd, Liberty Lane				
Ocean	56-72F1	WARWICK	LINCOLN AVENUE	72F1	204	805	Warwick: Dover Rd, Maple St, Jefferson Blvd, Post Rd, Hoyle Ave, Lincoln Ave, Elkland Rd				
Ocean	56-72F2	WARWICK	LINCOLN AVENUE	72F2	102	2650	Warwick: Walnut St, Post Rd, Fairfax Rd, Warwick Ave, Canna St, Namquid Rd, Ralston St				
Ocean	56-72F3	WARWICK	LINCOLN AVENUE	72F3	8	2315	Cranston: Worthington St, Pettaconsett Ave; Park Forest Rd, Pontiac Ave, Cranston St, Oaklawn Ave				
Ocean	56-72F4	WARWICK	LINCOLN AVENUE	72F4	10	2594	Warwick: Lincoln Ave, Post Rd, Bucklin Rd, Sand Pond Rd, Warwick Ave, Church St				
Ocean	56-72F5	WARWICK	LINCOLN AVENUE	72F5	107	3281	Warwick: Maple St, Post Rd, Frantum Rd, Easton Ave, Warwick Ave, West Shore Rd				
Ocean	56-72F6	WARWICK	LINCOLN AVENUE	72F6	7	1670	Warwick: Maple St, Cypress St, Pawtuxet Rd, Elmwood Rd				
Ocean	56-83F1	NORTH KINGSTOWN	QUONSET	83F1	21	6	North Kingstown: McNaught Rd, Eccleston Ave, RI Port Authority				

Attachment DIV 1-7  
National Grid Hurricane Irene Response Assessment  
Division Docket No. D-11-94  
Responses to Division Data Requests – Set 1  
Page 13 of 13

## FEEDER PRIORITY LIST

District	Feeder Code	Town	Substation	Feeder	Priority	Customers Served	Area Served	Comment	Loop Scheme	LSF	Loop Feeder
Ocean	56-83F2	NORTH KINGSTOWN	QUONSET	83F2	115	1576	N Kingstown: Roger Williams Way, Conway St, Cripe St, Commerce Park Dr, Camp Ave, Davisville Rd, Newcomb Rd, Post Rd				
Ocean	56-83F3	NORTH KINGSTOWN	QUONSET	83F3	200	18	N Kingstown: John Thomas Rd, McNaught St, Dillabur Ave				
Ocean	56-84T1	NORTH KINGSTOWN	DAVISVILLE	84T1	0	2	N Kingstown: Callahan St, Bostich Torray Lumiror				
Ocean	56-84T2	NORTH KINGSTOWN	DAVISVILLE	84T2			N Kingstown: Roger Williams Rd; Supply to Quonset				
Ocean	56-84T3	NORTH KINGSTOWN	DAVISVILLE	84T3			N Kingstown: Supply - Post Rd; Supply to Lafayette and Hunt River Subs, Brown and Sharp			0.66	3312
Ocean	56-84T4	NORTH KINGSTOWN	DAVISVILLE	84T4	0	36	N Kingstown: Circuit Dr, Burlingham, Roger Williams, Fuji, Torray Fan				
Ocean	56-85T1	CHARLESTOWN	WOOD RIVER	85T1	351	791	Charlestown: Kings Factory Rd, Richmond: Switch Rd, Supply to Hope Valley Sub; Supply to Ashaway and Westerly Subs			0.5	85T2
Ocean	56-85T2	CHARLESTOWN	WOOD RIVER	85T2							
Ocean	56-85T3	CHARLESTOWN	WOOD RIVER	85T3	26	3992	Charlestown: Bradford Rd, Post Rd    Westerly: Langworthy Rd    Supply to Westerly Sub			0	85T1
Ocean	56-86F1	WESTERLY	LANGWORTHY CORNER	86F1	10	2011	Westerly: Shore Rd, Langworthy Rd, Weekapaug Rd				
Ocean	56-87F1	WARWICK	KILVERT ST.	87F1	3	1121	Warwick: Metro Center Blvd, Lory Ann Dr, Greenwich Ave, W Natick Rd, Pilla Dr				
Ocean	56-87F2	WARWICK	KILVERT ST.	87F3	90	205	Warwick: Jefferson Blvd, Main St, Spooner St, Chapmans Rd, Greenwich Ave				
Ocean	56-87F2	WARWICK	KILVERT ST.	87F2	90	205	Warwick: Kilvert St, Jefferson Blvd, Service Ave, Amtrak				
Ocean	56-87F4	WARWICK	KILVERT ST.	87F4	200	442	Warwick: Imera Ave, Post Rd, Greene St, Coronado Rd, Green Airport RI Airport Corporation				
Ocean	56-88F1	NORTH KINGSTOWN	TOWER HILL	88F1	0	2005	N Kingstown: W Allenton Rd, Exeter Rd, Indian Corner Rd    Exeter: South County Trail				
Ocean	56-88F3	NORTH KINGSTOWN	TOWER HILL	88F3	0	2239	N Kingstown: Tower Hill Rd, Shermantown Rd    S Kingstown: Tower Hill Rd, Bridgetown Rd				
Ocean	56-88F5	NORTH KINGSTOWN	TOWER HILL	88F5	0	2967	N Kingstown: Hamilton Allenton Rd, Boston Neck Rd, Fairway Dr    Narragansett: South Ferry Rd, URI Bay Campus				

Feeders Affected in Tropical Storm Irene are highlighted in Yellow.

Division 1-8

Request:

What was the total quantity of contractors and employees by type, such as line crew, tree trimming, etc., that were requested and mobilized in the Incident Anticipation and Post Incident Phases? In addition, provide the following information:

- a. Number of National Grid crews available within the Rhode Island region prior to the emergency event.
- b. Number of National Grid crews transferred from other regions prior to and during the restoration process and the dates upon which they mobilized.
- c. List all contractors contacted before and after the storm and the first date upon which they mobilized.
- d. List all utilities contacted before and after the storm and the first date upon which they mobilized.

Response:

For pre-event mobilization data see Section III - "Incident Anticipation" and Section C "Determination of Crew Needs and Pre-Staging" of the Company's 90-day Storm Report submitted on this date in Docket 2509. For the Post Incident resources, See Attachment 11 entitled "Hurricane Irene - Rhode Island Resources" in the Company's 90-day Storm Report submitted on this date in Docket 2509, for all resources working the event.

With respect to questions (a) through (d) above, the Company responds as follows:

- a. For pre-event mobilization data within the Rhode Island region, see Section III - "Incident Anticipation" and Section C "Determination of Crew Needs and Pre-Staging" of the Company's 90-day Storm Report submitted on this date in Docket 2509.
- b. See Attachment 11 entitled "Hurricane Irene - Rhode Island Resources" in the Company's 90-day Storm Report submitted on this date in Docket 2509 for all National Grid crews working the incident by Date and Time.
- c. Contractors are contacted by a central group and are obtained for use in Rhode Island, Massachusetts and New Hampshire. See Attachment DIV 1-8 entitled "Contractor Tracking Report" for a list of all Contractors who were utilized in all of New England during Irene.

Division 1-8 (continued)

d. See Attachment 11 entitled "Hurricane Irene - Rhode Island Resources" "in the Company's 90-day Storm Report submitted on this date in Docket 2509 for all other utility crews working the incident by Date and Time.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

## NE CONTRACTORS UTILIZED

Contractor	Staging Location		State
Thirau (1)	Community College of RI		RI
Thirau (2)	Twin River	Community College of RI	RI
Thirau (3)	Raynham / MA		MA
M. Gray's Power	Twin River		RI
Alliance Power Group	Raynham MA		MA
Energy Group (MI)	Raynham MA		MA
Three Phase	Raynham MA		MA
SPE (MI)	Community College of RI	Twin River	RI
NG Gilbert (WD)	Community College of RI		RI
MTV	Twin River		RI
Gratton	Raynham MA		MA
MJ	Marlborough		MA
State / McDonough	Twin River		RI
State Electric	Community College of RI		RI
State / O'Donnell	Community College of RI		RI
State / K&M Canada	Marlborough		MA
Henkels & McCoy (PA)	Raynham MA		MA
Sumter (S. Carolina)	Community College of RI		RI
Harlan (PA)	Marlborough		MA
IB Able ( PA)	Marlborough	Community College of RI	MA / RI
Northeast Line	Twin River		RI
M. Gray's Power (Unitel)	Community College of RI		RI
Alliance Power Group (Unitel)	Community College of RI		RI
MJ Electric (T to D)	Twin River		RI

## NE CONTRACTORS UTILIZED

Contractor	Staging Location	State
WE	Raynham MA	MA
Hydro-Quebec	Marlborough	MA
Bemis	Community College of RI	RI
Ameren	Twin River	RI
Emera	Community College of RI	RI
D&D Power	Twin River	RI
Orlando Utilities Commission	Twin River	RI
Pike Electric	Twin River	RI
New Hampshire Coop	Twin River	RI
PCG	Twin River	RI



Division 1-9

Request:

Were communications systems available to talk with crews, contractors, employees, emergency management, and public agencies? Did all communications and IT systems function as anticipated? Was the function of systems adequate throughout the emergency event?

Response:

Yes, functionality and integrity of systems for communications with crews, contractors, employees, emergency management and public agencies were maintained throughout the event.

Although the Company's OMS reporting system, PowerOn, was functional during the entire event, its performance was also impacted during extremely high order volume periods.

On Sunday, August 28, because of the extensive and pervasive nature of the interruptions from the storm, the Company began experiencing performance issues with the Outage Central website, including slow response to users, lag time in updating the outage and recovery time data, and Outage Central intermittently not working entirely as a resource for its customers. The Company addressed these issues at the time of their occurrence as quickly as possible and attempted to resolve the issues by restarting servers and selectively turning off non-critical functionality on its website that competed for information technology resources. In addition, the Company's service suppliers worked at the time of the occurrence to address telecom and network issues. The Company subsequently also undertook server upgrades after the restoration period subsided, and is reviewing long-term actions to remediate these issues.

Prepared by or under the supervision of: Kathy A. Lyford

Division 1-10

Request:

Please provide a description of the effort to work with local emergency management, the National Guard, and local government to expedite restoring electric service:

- a. Debris clearance to allow access to electric facilities.
- b. Maintaining access to streets and intersections.
- c. Temporary bridges.
- d. Helicopters for damage assessment or transport of materials.
- e. Guarding downed power lines or securing hazardous facilities.
- f. Directing and clearing traffic.

Response:

With respect to items (a) - (f), during a major weather event the Company reaches out to town officials, including mayors, town managers, and the Department of Public Works, state government and agencies, critical customers, such as hospitals, and large commercial/industrial customers directly before, during and after an event. The Company works with RIEMA, through our Municipal Room (a special two-way communication system for towns) to provide updated information to town officials and critical/large customers. During major weather events the Company provides assistance to RIEMA by staffing Emergency Support Function #12 (ESF-12 is Energy). All Emergency Support Functions (ESF) are staffed by RI state agencies as leads, and include Health Dept, State Police, RI DOT, RIDEM, Public Works, Search & Rescue, Mass Care, Transportation, and RI Red Cross. These functions are housed in one room at the Emergency Operations Center (EOC) located at the Rhode Island National Guard Headquarters in Cranston, RI. Communication flows via their WebEOC, the state run on-line communication network, where all ESFs talk on-line for updating conditions and handling requests received throughout the State. All town EMAs and town officials have access to WebEOC. National Grid's role is to provide situational (outages, ETRs, operation briefings, municipal communication, strategies, etc) information to the Adjutant General Kevin McBride, the Governor, Executive Director (Acting Director Ed Johnson) and all ESF partners. The Company acts as a liaison between the Division, the State and the Company - information and conditions flow each way during a major event. Functions, such as setting-up shelters through the Red Cross (ESF-6) for sleeping accommodations for outside contractors at the Dunkin' Donut Center, working with RIDOT (ESF-2) to open-up roads, getting the latest hospital conditions/issues first hand (ESF-8), and working through the General and National Guard for road clearing and RIDEM for debris management issues are handled through the EOC. The EOC functions as a one-stop vehicle for all state and municipal issues.

Prepared by or under the supervision of:  
Kathy A. Lyford

Division 1-11

Request:

Provide a color coded map of the electric distribution system in Rhode Island showing the amount of electric system that was out of service as follows:

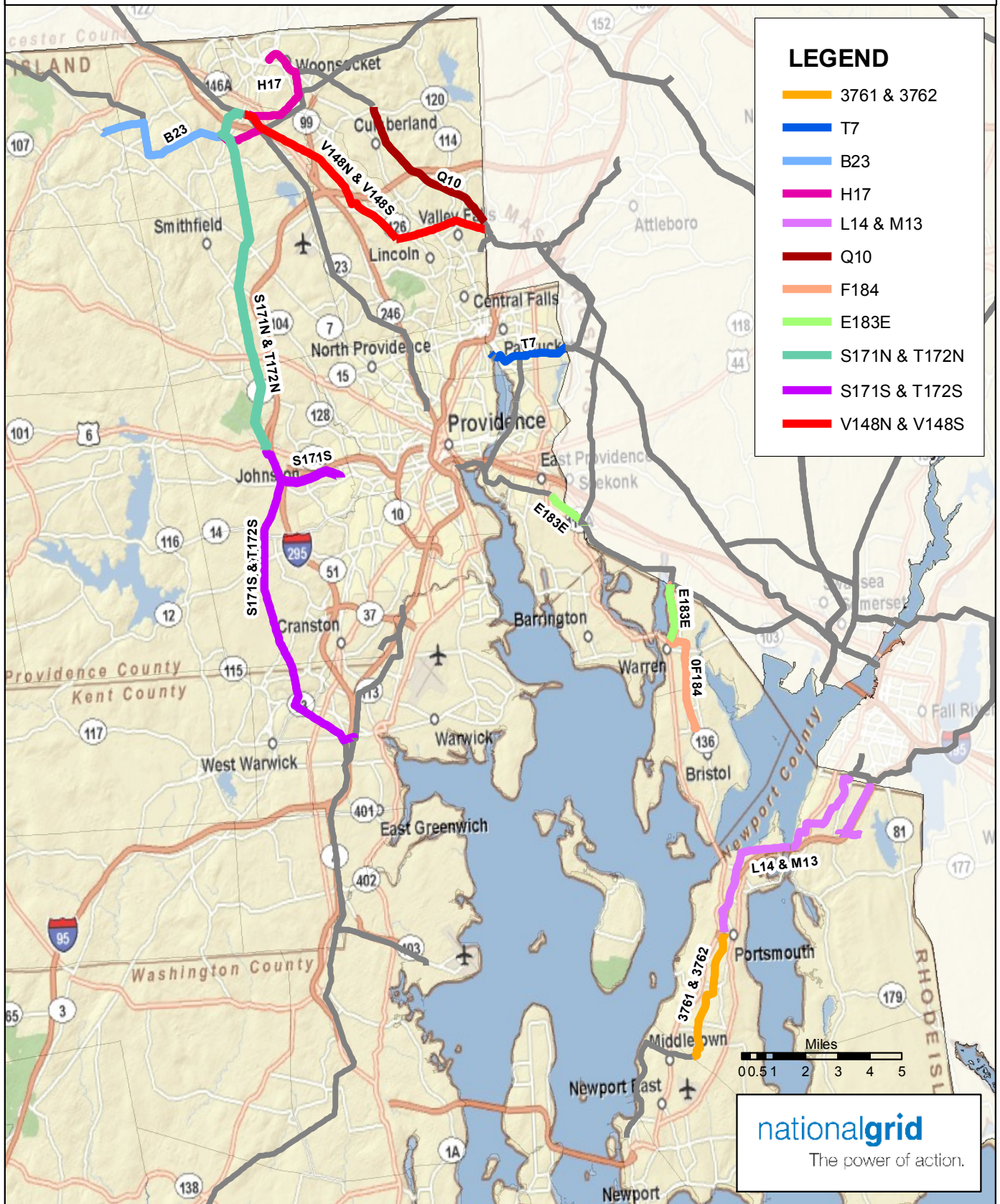
- a. The transmission system that was de-energized and the duration of the outage.
- b. The substations that were de-energized and the duration of the outage.
- c. The distribution lines that were de-energized. Show or indicate the date of restoration.
- d. Indicate physical obstructions such as flooded areas, bridges out, roads closed.

Response:

- a. The transmission system that was de-energized is shown on the map in Attachment DIV 1-11a. The duration of the outages on the transmission system are provided in Attachment 2 of the Company's 90-day Storm Report, submitted on this date in Docket 2509 (Storm Contingency Fund).
- a. The substations that were de-energized are shown on the map in Attachment DIV 1-11b. The duration of the outage for each substation are shown in Attachment DIV 1-11c.
- b. The distribution feeders that were de-energized are shown on the map in Attachment DIV 1-11d. The date of restoration for each feeder that was locked out is shown in Attachment 5 to the Company's 90-day Storm Report, submitted on this date in Docket 2509 (Storm Contingency Fund).
- c. Attachment DIV 1-11e provides a listing from the Rhode Island Department of Transportation showing roads closed.

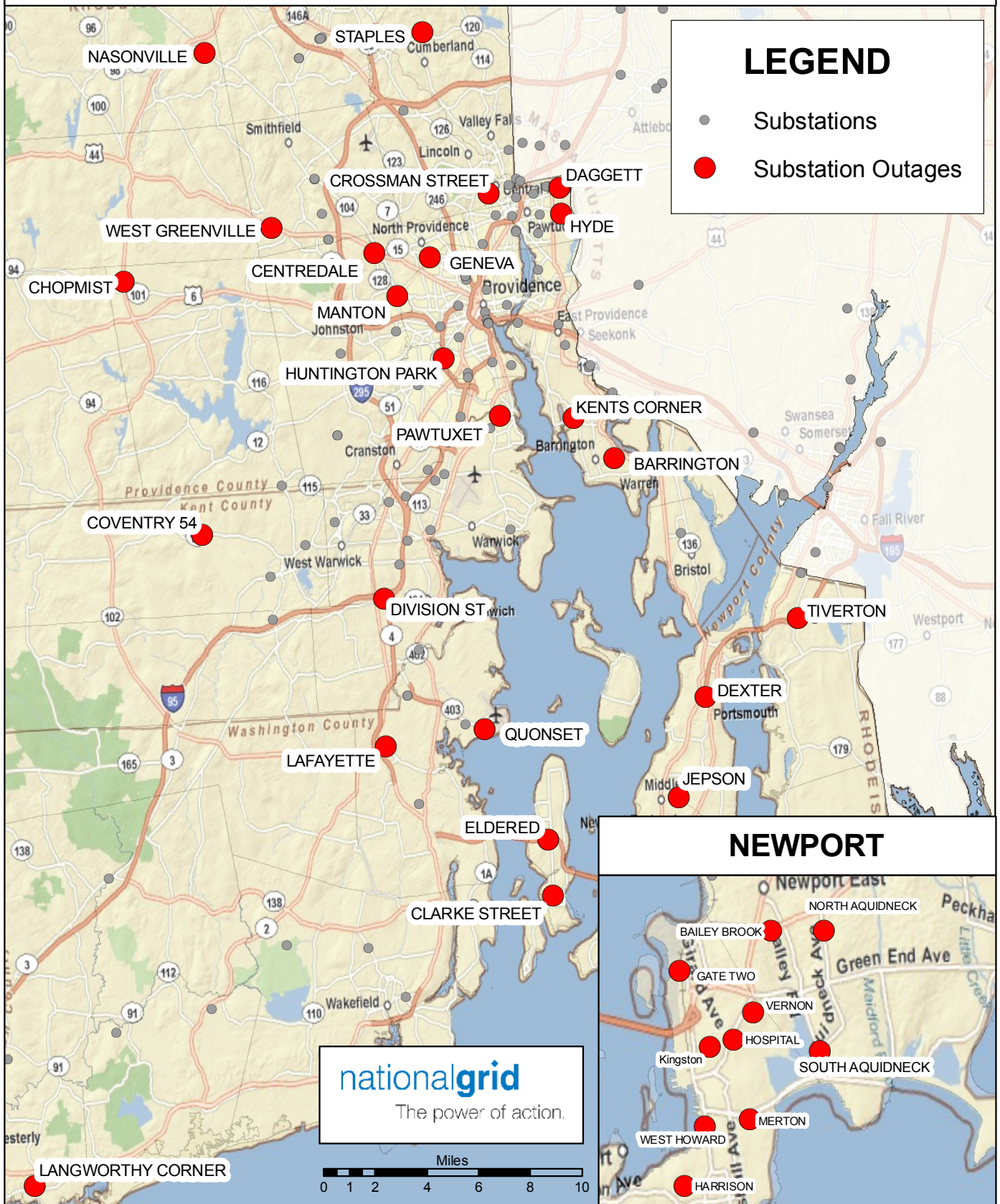
Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

# HURRICANE IRENE RHODE ISLAND TRANSMISSION OUTAGES





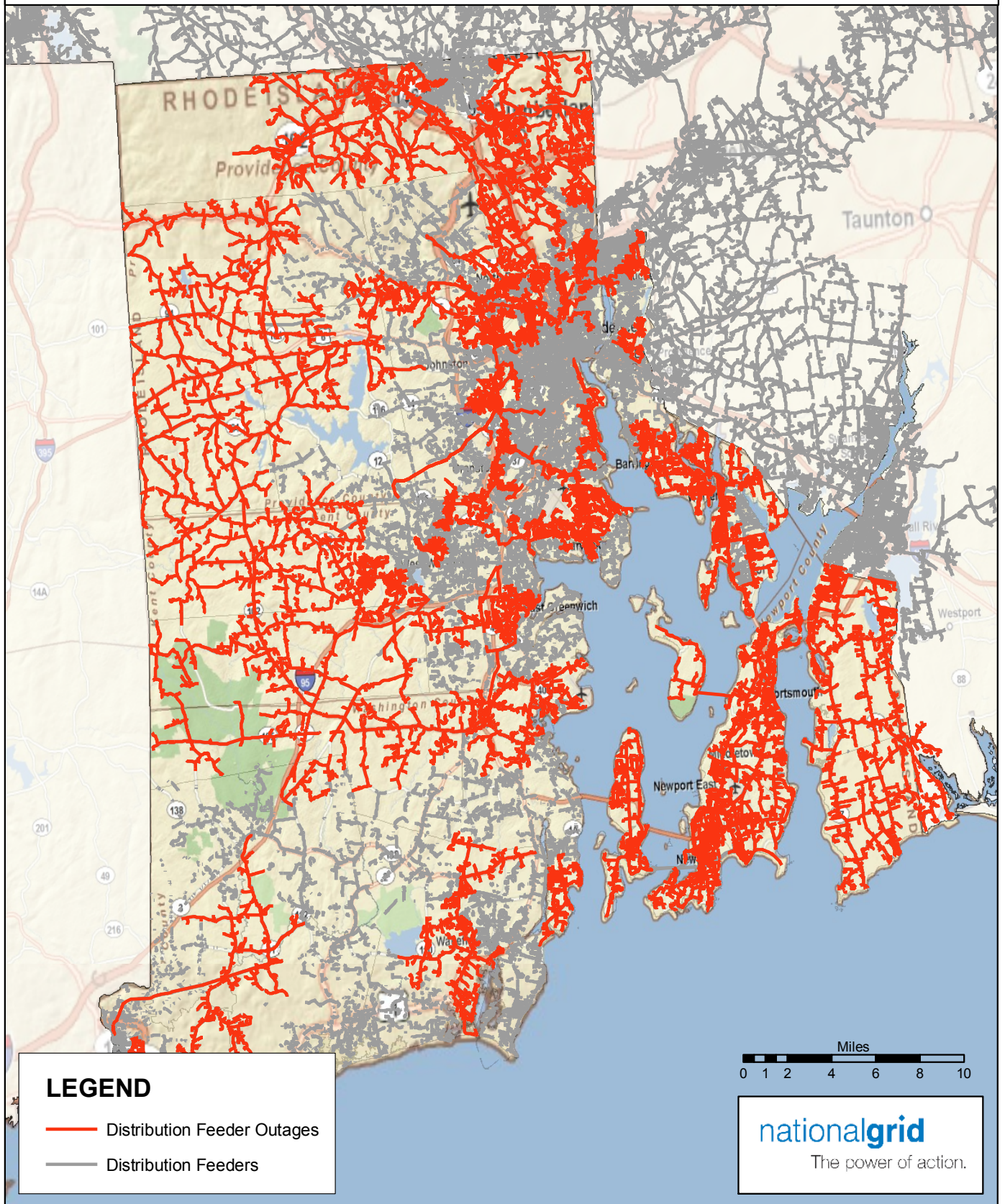
# HURRICANE IRENE RHODE ISLAND SUBSTATION OUTAGES



Customers		Reason	Restoration Steps	Date Off	Time Off	Date On	Time On
Substation Name	Affected						
Clarke St	1,569	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared and PTR closed	08/28/2011	4:11	08/28/2011	5:29
Eldred	1,705	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared and PTR closed	08/28/2011	4:11	08/28/2011	5:29
Division St	3,320	3311 and 3312 lines locked out at Kent County	Fault cleared and sub-transmission lines were restored	08/28/2011	6:34	08/29/2011	6:30
Clarke St	1,569	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared, but not restored until L14/M13 lines restored	08/28/2011	6:44	08/29/2011	15:58
Eldred	1,705	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared, but not restored until L14/M13 lines restored	08/28/2011	6:44	08/29/2011	15:58
Vernon	1,979	37K22 cable fault between Bailey Brook Sub and Vernon	37K22 line was restored (occurred before the L14/M13 outage)	08/28/2011	6:52	08/28/2011	6:53
Lafayette	3,746	3312 line locked out at Kent County and 84T3 line had a PTR lockout	Fault cleared and sub-transmission lines were restored	08/28/2011	7:25	08/30/2011	20:34
Nasonville	5,185	Lockout on the 115 KV system: B23 (between West Farnum and Nasonville)	Fault cleared and transmission line was restored	08/28/2011	7:40	08/29/2011	21:06
Staples	8,831	Lockout on the 115 KV system: Q10 (between Robinson Ave. and Staples)	Breakers switched to change supply to J16	08/28/2011	7:50	08/29/2011	10:09
Daggett	1,560	Broken pole on the 107W61 required a section to be isolated	Reapirs completed and 13.8 KV feeder was restored	08/28/2011	8:04	08/31/2011	15:57
Geneva	3,258	2211 line locked out at Johnston and 22 line locked out at Admiral St	Fault cleared and sub-transmission lines were restored	08/28/2011	8:32	08/29/2011	15:15
Barrington	4,706	2291 line locked out at Warren	Fault cleared and sub-transmission line was restored	08/28/2011	8:35	08/28/2011	23:00
Crossman St	2,617	102W52 locked out at Valley	Fault cleared and 13.8 KV feeder was restored	08/28/2011	8:42	08/31/2011	10:18
Hyde Ave	1,659	107W81 line locked out at Pawtucket #1	Fault cleared and 13.8 KV feeder was restored	08/28/2011	8:53	08/30/2011	19:07
West Greenville	398	2221 line locked out at Wolf Hill and 2227 line locked out at Johnston	Fault cleared and sub-transmission lines were restored	08/28/2011	8:58	08/29/2011	13:23
Centredale	1,035	2211 line locked out at Johnston and 2219 line locked out at Wolf Hill	Fault cleared and sub-transmission lines were restored	08/28/2011	9:00	08/29/2011	5:41
Chopmist	6,573	2221 line locked out at Wolf Hill and 2227 line locked out at Johnston	Fault cleared and sub-transmission lines were restored	08/28/2011	9:00	08/31/2011	18:33
Manton	8,806	2211 line locked out at Johnston	Fault cleared and sub-transmission line was restored	08/28/2011	9:00	08/28/2011	21:35
Bailey Brook	563	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	15:25
Dexter	7,649	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	10:46
Gate II	1,142	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	12:00
Harrison	2,066	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	14:27
Hospital	1,223	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Jepson	6,592	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/28/2011	6:22
Kingston	2,883	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Merton	1,987	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:52
North Aquidneck	993	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	15:42
South Aquidneck	1,654	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	14:44
Tiverton 2	11,415	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/28/2011	13:08
Vernon	1,979	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	17:18
West Howard	3,123	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Coventry	3,236	2232 line locked out at Hope St.	Fault cleared and sub-transmission line was restored	08/28/2011	10:29	08/29/2011	15:31
Langworthy Corner	2,030	85T3 line had a PTR lockout	Fault cleared and sub-transmission line was restored	08/28/2011	10:40	08/28/2011	13:11
Pawtuxet	937	2260 line locked out at Franklin Square	Fault cleared and sub-transmission line was restored	08/28/2011	11:07	08/30/2011	4:45
Kents Corner	2,751	2291 line locked out at Warren	Fault cleared and sub-transmission line was restored	08/28/2011	11:36	08/28/2011	18:39
Quonset	1,606	84T2 line locked out at Davisville	Fault cleared and sub-transmission line was restored	08/28/2011	12:56	08/28/2011	18:13
Huntington Park	389	2228 line locked out at Elmwood	Fault cleared and sub-transmission line was restored	08/28/2011	17:58	08/31/2011	0:55



# HURRICANE IRENE RHODE ISLAND DISTRIBUTION OUTAGES



Road Closures in Rhode Island from Tropical Storm Irene as reported by RIDOT

District	Feeder	Location	City/Town	Issue	Current Status	Completed At	Notes	Checked by	National Grid Updated Status
Belleville		Route 4 South, South of Exit 8	East Greenwich	Trees Down	Cleared			Inspector	Completed
Belleville		Route 4 @ Middle Road	East Greenwich	Trees Down	Cleared	4:00pm		Inspector	Completed
Belleville		South Road @ Oak Hill Drive	Exeter	Trees Down	Cleared			Inspector	Completed
Belleville		Route 102 @ Tripps Corner	Exeter	Trees Down	Cleared	6:00am		Inspector	Completed
Belleville		Exeter Road @ Indian Corner	Exeter	Trees/Wires	Cleared			Inspector	Completed
Belleville		Route 165 @ Beach Pond Road	Exeter	Multiple Trees	Cleared			Inspector	Completed
Belleville		Exeter Rd - UP 09	Exeter	Livewire on road	National Grid	1:49pm, One Lane Open	Live wire on road @ Hse # 95	Inspector	Completed
Belleville		Exeter Rd - UP 11	Exeter	Trees/Wires	National Grid	1:49pm		Inspector	Completed
Belleville		Exeter Rd - UP 21	Exeter	Trees/Wires	National Grid	1:49pm, One Lane Open	P21-P22 Tree branch dangling from sec blocking one lane. Spacer cable tangled	Inspector	Completed
Belleville		RT 2 @ Liberty Business Park	Exeter	Trees/Wires	National Grid	1:49pm	P68 -P70 3ph Wires down, damaged x-arm	Inspector	Completed
Belleville		Slocum Rd @ Slocum grange	Exeter	Trees/Wires (Partial Closed)	National Grid	1:49pm	P1-P5 wires down, pole broken	Inspector	Completed
Belleville		Conanicus Avenue @ Bay View	Jamestown	Trees Down	Cleared			Inspector	Completed
Belleville		Beavertail Road	Jamestown	Flooded	Cleared			Inspector	Completed
Belleville		Boston Neck Road, Sakonnet & Wolcott	Narragansett	Flooding	Cleared			Inspector	Completed
Belleville		Boston Neck Road @ SK Town Line	Narragansett	Flooding	Cleared			Inspector	Completed
Belleville		Boston Neck Road @ Narr. Town Beach	Narragansett	Flooding	Cleared			Inspector	Completed
Belleville		315 Ocean Rd	Narragansett	Trees/Wires	National Grid	5:54pm		Inspector	Completed
Belleville		UP 53, Ocean Rd SB	Narragansett	Trees/Wires	National Grid	5:54pm		Inspector	Completed
Belleville		Boston Neck Road at Salisbury	North Kingstown		Cleared			Inspector	Completed
Belleville		Route 4 North at West Allenton	North Kingstown	Trees Down	Cleared			Inspector	Completed
Belleville		424 Boston Neck Road	North Kingstown	Trees Down	Cleared			Inspector	Completed
Belleville		Route 138 @ Route 108	South Kingstown	Trees Down	Cleared			Inspector	Completed
Belleville		Moorefield Road	South Kingstown	Flooding/Wires Down	National Grid	2:51pm		Inspector	Completed
Belleville		4000 Post Road	Warwick	Trees/Wires	NATIONAL GRID	22:03	Wires down 3ph, Post Rd @ Ashmount, 2 crews on stan	Tree Crew	Completed
Belleville		Route 1A @ Brown Street Bridge #10	North Kingstown	Flooding	Bridge open, bridge inspection says OK	5:30AM			Not a NG tree issue
Belleville		Ives Road - UP # 114&115	Warwick	Poles Down (Partl Closed)	National Grid	CLOSED	Wires down, NGRID on standby P60 to P61	EF	Not a NG tree issue
Belleville		Route 102 @ Plains Meeting House Road	West Greenwich	Tree blocking road		CLOSED			Not a NG tree issue
Belleville	59F3	443 Post Rd	North Kingstown	Trees/Wires	National Grid		Cannot find		Site Being Inspected
East Providence		94 County Road	Barrington	Trees Down	Cleared			Inspector	Completed
East Providence		Middle Highway @ Lincoln Road	Barrington	Trees Down	Cleared			Inspector	Completed
East Providence		Route 10 SB @ Reservoir Ave	Cranston		Cleared			Inspector	Completed
East Providence		Wampanoag Trail NB prior to 195 West	East Providence		Cleared			Inspector	Completed
East Providence		Route 10 @ 95 Ramp	Providence	Trees	Cleared			Inspector	Completed
East Providence		I-95 Before Thurbers Ave	Providence	Trees Down	Cleared			Inspector	Completed
East Providence		414 Hartford Avenue	Providence	Trees Down	Cleared			Inspector	Completed
East Providence		North Main Street at Third Street	Providence	Trees Down	Cleared			Inspector	Completed
East Providence		Route 10		Flooding	Cleared			Inspector	Completed
East Providence		I-195 East of Taunton Avenue			Cleared			Inspector	Completed
East Providence		225 New Meadow Road	Barrington	Trees Down	checking				Not a NG tree issue
East Providence		Route 114 NB (North of Federal)	Barrington	Trees	checking				Not a NG tree issue
East Providence		Sowams Road @ Columbus	Barrington	Tree	checking				Not a NG tree issue
East Providence		95 North to Smithfield Avenue	Providence	Tree Down					Not a NG tree issue
East Providence	5F1	194 new meadow road	Barrington	Wires down with tree	NATIONAL GRID				Site Being Inspected
East Providence	5F1	81 Rumstick Rd	Barrington	Wires down with tree	NATIONAL GRID				Site Being Inspected
East Providence	5F1	Nyatt Road @ Bay Road	Barrington	Trees Down	NATIONAL GRID				Site Being Inspected
East Providence	48F1	Waterman Avenue at John Street	East Providence	Pole Down	NATIONAL GRID				Site Being Inspected
East Providence	5F1	211 Sowams	East Providence	Wires down with tree	NATIONAL GRID				Site Being Inspected
East Providence	5F1	266 Sowams Road	East Providence	Wires down with tree	NATIONAL GRID				Site Being Inspected
East Providence	5F1	329 Sowams Road	East Providence	Wires down with tree	NATIONAL GRID				Site Being Inspected
East Providence	5F1	Sowams Road @ Christine Drive	East Providence	Wires down with tree	NATIONAL GRID				Site Being Inspected
Glocester		1479 Round Top Road	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		1515 Douglas Pike	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		184-200 Victory Highway	Burrillville	Multiple Trees/Wires	NATIONAL GRID	3:14PM	Tree on side of road	Inspector	Completed
Glocester		East Avenue UP 488 & Sweet Hill	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		Main St RT 107	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		Route 107 from Route 102 to Route 98	Burrillville	Trees Down/Wires	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		Route 94 @ Route 44	Burrillville	Trees/Wires	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		RT 100 UP 97	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		RT 96 @ Hill Rd	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		RT 98 @ Lapham Farm Rd	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		Sherman Farm Road	Burrillville	Tree on Wires	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		Victory Highway @ Bella Restaurant	Burrillville	Wires down with tree	NATIONAL GRID	3:14PM		Inspector	Completed
Glocester		300 Phippen Orchard Road	Cranston	Tree	Cleared			Inspector	Completed



Road Closures in Rhode Island from Tropical Storm Irene as reported by RIDOT

District	Feeder	Location	City/Town	Issue	Current Status	Completed At	Notes	Checked by	National Grid Updated Status
Glocester	34F1	Rt 6 from Rt 102 to Rt 94	Foster	Poles Down	NATIONAL GRID	Closed		Inspector	Completed
Glocester	45F2	Snake Hill Rd across House 77	Glocester	Wires down with tree	NATIONAL GRID	10:03pm	All trees off wires, brush side of street, no obstruction	Tree Crew	Completed
Glocester		253 Chopmist Hill (Rt. 6 to Rt. 44)	Glocester	Trees on High Tension Line	NATIONAL GRID	12.40pm	Brush on side of road, x-arms broken on 3ph primary. 2 phases floating	Inspector	Completed
Glocester		Douglas Hook Rd from # 116 to # 169	Glocester	Low Wires	NATIONAL GRID	12.40pm	Brush on side of road	Inspector	Completed
Glocester		Douglas Hook Rd UP 23	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	Primary down b/n P68 - P70. P39 leaning	Inspector	Completed
Glocester		Reservoir Rd UP 72	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	No electric on pole. Tree on Telco	Inspector	Completed
Glocester		RT 44 @ Highland Lake	Glocester	Wires down with tree	NATIONAL GRID	12.40pm		Inspector	Completed
Glocester		RT 44 EB @ Copper Hill Rd	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	Brush on side of road	Inspector	Completed
Glocester		RT 44 EB UP 160	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	Broken x-arm one ph down	Inspector	Completed
Glocester		RT 44 WB @ Reservoir Rd	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	Brush on side of road	Inspector	Completed
Glocester		Rt 94 from # 1093 Glocester to Rt 101	Glocester	Poles Down	NATIONAL GRID	12.40pm		Inspector	Completed
Glocester		Snake Hill Rd UP 100	Glocester	Wires down with tree	NATIONAL GRID	12.40pm	Brush on side of road	Inspector	Completed
Glocester		Snake Hill Road, 400 Block	Glocester	Tree	Cleared			Inspector	Completed
Glocester		Snake Hill Road 1300 Block	Glocester	Tree	Cleared			Inspector	Completed
Glocester		Snake Hill Road, 1400 Block	Glocester	Tree	Cleared			Inspector	Completed
Glocester	18F6	Hopkins Ave.	Johnston	Poles Down	NATIONAL GRID	Closed		Inspector	Completed
Glocester		556 Providence Pike	North Smithfield	Trees Down	Cleared			Inspector	Completed
Glocester		Central Pike from Rockland Road to Westcott R	Scituate	Poles Down	NATIONAL GRID	Closed		Inspector	Completed
Glocester		Rt 7	Smithfield	Wires down with tree	NATIONAL GRID	12.33		Inspector	Completed
Glocester		West Greenville Rd UP 10	Smithfield	Wires down with tree	NATIONAL GRID	12.33		Inspector	Completed
Glocester		Hartford Ave. from Reservoir Road to Rt.101			Cleared			Inspector	Completed
Glocester	34F2	1559 Snake Hill Rd (~p264)	Glocester	Wires down with tree	NATIONAL GRID		8/31/11 Crew on 34F2		Feeder Sweep Underway (8/31/11)
Glocester	34F2	Annawade Rd Up 17	Glocester	Wires down with tree	NATIONAL GRID		8/31/11 Crew on 34F2		Feeder Sweep Underway (8/31/11)
Glocester	34F2	731 Old Victory Highway	Glocester		NATIONAL GRID	Passable	Tree on primary, primary down   Pile of brush		Feeder Sweep Underway (8/31/11)
Glocester	?	Pine St	Burrillville	Tree down			Between P21&P22		Location does not exist
Glocester	?			Large limb hanging off primary. Will fall any minute. Called Bill Mathieu, 2.20pm			Between P16&P17		Location does not exist
Glocester	?	Pine St	Burrillville						Location does not exist
Glocester		RT 6 @ Spencor Hill	Foster	Wires down with tree	NATIONAL GRID				Location does not exist
Glocester		Route 7, Near N. Smithfield Line	Burrillville	Tree Down					Not a NG tree issue
Glocester		1075 South Main Street	Burrillville	Trees Down					Not a NG tree issue
Glocester		321 Reservoir Road	Burrillville	Trees Down					Not a NG tree issue
Glocester		Sherman Farm Road at Mass. Stateline	Burrillville	2 Trees Down					Not a NG tree issue
Glocester		Birch Swamp Road, from Route 116 to 94	Scituate	Tree	NO road by this name				Not a NG tree issue
Glocester	34F1	RT 94 House 83 (~P83 Foster Center)	Foster	Wires down with tree	NATIONAL GRID				Site Being Inspected
Hope Valley		Route 138 @ Grassy Pond Road	Hope Valley	Trees Down	Cleared			Inspector	Completed
Hope Valley		Route 138 @ Wincheck Pond Road	Hope Valley	Trees Down	Cleared			Inspector	Completed
Hope Valley		Route 138 @ Camp Yawgoog Road	Hope Valley	Trees Down	Cleared			Inspector	Completed
Hope Valley		136 Arcadia Road	Hope Valley	Wires down	NATIONAL GRID	CLOSED	2 Phase wires down @ 193 Arcadia between P6 & P7. Grid worker on standby	Inspector	Completed
Hope Valley		95 North at Exit 1	Hopkinton	Trees Down	Cleared	5:55am		Tree Crew	Completed
Hope Valley		535 Main Street	Hopkinton	Trees Down	Cleared			Inspector	Completed
Hope Valley		590 Main Street	Hopkinton	Trees Down	Cleared			Inspector	Completed
Hope Valley		Bank Street	Hopkinton	Trees Down	Cleared			Inspector	Completed
Hope Valley		Ashaway Road (Route 216) @ Chase Hill Road	Hopkinton		Cleared			Inspector	Completed
Hope Valley		Main Street @ Spring Street	Hopkinton		Cleared			Inspector	Completed
Hope Valley		Route 3 @ North Road	Hopkinton		Cleared			Inspector	Completed
Hope Valley		Main Street near Police Station	Hopkinton		Cleared			Inspector	Completed
Hope Valley		364 Woodville Road	Hopkinton	Trees Down	NATIONAL GRID	Completed at 11.30am	Floating primary, single phase, needs to be repaired	Inspector	Completed
Hope Valley		Switch Road, South of Chariho High School	Richmond	Trees Down	Cleared			Inspector	Completed
Hope Valley		Route 112 between Richmond Plaza and Chariho	Richmond	Trees down on wires	NATIONAL GRID	Completed at 11:56am		Inspector	Completed
Hope Valley		4410 South County Trail			Cleared			Inspector	Completed
Hope Valley		Route 165 @ Beach Pond Road	Exeter						Not a NG tree issue
Hope Valley		I-95 @ Tripps Corner Road	Richmond	Trees Down					Not a NG tree issue
Hope Valley		55 Potter Hill Road	Westerly	Clear trees to allow N. Grid access to wires					Not a NG tree issue
Midstate		Route 116 Near Hope Elementary	Coventry	Trees Down	Cleared			Inspector	Completed
Midstate		Route 102 @ Route 117	Coventry	Trees Down	Cleared			Inspector	Completed
Midstate		RT 116 @ Pole 49	Coventry	Trees/Wires	National Grid	6.27pm		Inspector	Completed
Midstate		Route 102 @ Route 117	Coventry		Cleared			Inspector	Completed
Midstate		Route 102 @ Route 117	Coventry	Tree Down	Cleared			Inspector	Completed
Midstate		Pontiac Avenue @ Route 37	Cranston	Trees Down	Cleared			Inspector	Completed
Midstate		Route 95 @ Access Ramp to Route 37	Cranston	Trees Down	Cleared			Inspector	Completed
Midstate		30 Oaklawn Avenue	Cranston	Storm Drain	Cleared			Inspector	Completed
Midstate		Dean Pkwy	Cranston	Multiple Trees	Cleared			Inspector	Completed

Road Closures in Rhode Island from Tropical Storm Irene as reported by RIDOT

District	Feeder	Location	City/Town	Issue	Current Status	Completed At	Notes	Checked by	National Grid Updated Status
Midstate		641 Atwood Avenue	Cranston	Storm Drain	Cleared			Inspector	Completed
Midstate		1099 Reservoir Avenue	Cranston	Storm Drain	Cleared			Inspector	Completed
Midstate		95 North @ Route 37	Cranston	Tree	Cleared			Inspector	Completed
Midstate		I-295 South @ Route 37 West	Cranston		Cleared			Inspector	Completed
Midstate		460 Reservoir Avenue	Cranston	Tree	Cleared			Inspector	Completed
Midstate		Route 37 East to I-95 North	Cranston		Cleared			Inspector	Completed
Midstate		Route 10 SB Ramp to Reservoir Avenue	Cranston	Tree	Cleared			Inspector	Completed
Midstate		Route 10 SB Ramp to Reservoir Avenue	Cranston	Tree Down	Cleared			Inspector	Completed
Midstate		Division Road, House #71	East Greenwich	Trees Down	Cleared			Inspector	Completed
Midstate		Division Road, House # 711	East Greenwich		Cleared			Inspector	Completed
Midstate		1855 Division Road	East Greenwich	Trees/Wires	National Grid	4.24pm	P165 Large tree held up by 3 phase	Inspector	Completed
Midstate		Division @ Shippeetown	East Greenwich	Trees/Wires	National Grid	4.24pm	P168-P180 all 3 ph down, no trees blocking rd. tree and electric working	Inspector	Completed
Midstate		Division @ Shippeetown	East Greenwich	Trees Down	NATIONAL GRID	4.24pm	P168-P180 all 3 ph down, no trees blocking rd. tree and electric working	Inspector	Completed
Midstate		Division Rd @ Cricket Circle	East Greenwich	Trees/Wires	National Grid	4.24pm		Inspector	Completed
Midstate		Division Rd from Shippee Town to New London T	East Greenwich	Trees/Wires	National Grid	4.24pm	P168-P180 all 3 ph down, no trees blocking rd. tree and electric working	Inspector	Completed
Midstate	57J2, 57J3	Narragansett Pkwy, 1/4 mile east of Warwick Av	Warwick	Tree down in wires	NATIONAL GRID	10:03pm	Big block in road, 3ph across street, cones in road	Tree Crew	Completed
Midstate	57J2, 57J3	Narragansett Parkway near Fair Street	Warwick	Trees/Wires	National Grid	10:03pm	Narragansett - Springgreen wires in road, otherwise all clear of all debris	Tree Crew	Completed
Midstate		Route 2 South on-ramp to I-295	Warwick	Trees Down	Cleared		Big block in road, 3ph across street, cones in road	Tree Crew	Completed
Midstate		Route 37 West to 95 North	Warwick	Trees Down	Cleared			Inspector	Completed
Midstate		Post Road @ Shenandoah	Warwick	Trees Down	Cleared			Inspector	Completed
Midstate		Post Road @ Colonial	Warwick	Trees Down	Cleared			Inspector	Completed
Midstate		Route 2 SB 1/2 mile south of Route 5	Warwick	Tree Down	Cleared			Inspector	Completed
Midstate		160 West Shore Road	Warwick	Trees/Wires	Cleared	22:03		Tree Crew	Completed
Midstate		22 Greenwood Avenue	Warwick	Tree down in wires	Cleared	22:03		Tree Crew	Completed
Midstate		3352 West Shore Road	Warwick	Trees/Wires	Cleared	22:03		Tree Crew	Completed
Midstate		3386 West Shore Road	Warwick	Trees/Wires	Cleared	22:03		Tree Crew	Completed
Midstate		600 Block on West Shore Road	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		686 West Shore Road	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Across from 2913 West Shore Road	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Airport Road @ Daves Market	Warwick	Trees/Wires	Communication		Tree not in electric space	Inspector	Completed
Midstate		Conimicut @ Fire Station	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Conimicut Near Timmy's Resturant	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Hill Farm Road # 567	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Main Avenue @ West Shore Road	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		RT 117 West @ Pole 585 # 5828	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		RT 117 West @ Pole 668	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		West Shore Road @ Crystal Drive	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		West Shore Road @ Kerri Lynn	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		West Shore Road @ Main Avenue	Warwick	Trees/Wires	Cleared			Inspector	Completed
Midstate		Oaklawn Avenue at Dean Street		Flood	Cleared			Inspector	Completed
Midstate		Post Road @ 37			Cleared			Inspector	Completed
Midstate	72F3	Dean Parkway@ Ann Arbor Street	Cranston	Trees/Wires	National Grid		Crews on 8/31/11-72F1-72F6		Feeder Sweep Underway (8/31/11)
Midstate	54F1	RT 14 West @ Pole 141 # 2052	Coventry	Trees/Wires	National Grid				Site Being Inspected
Midstate	21F1	Pippin Orchard Road @ Orchard Valley near Po	Cranston	Trees/Wires	National Grid				Site Being Inspected
Midstate	21F2	Scituate Ave @ Orchard School	Cranston	Trees/Wires	National Grid				Site Being Inspected
Midstate	21F4	400 Scituate Avenue	Cranston	Trees/Wires	National Grid				Site Being Inspected
Midstate	21F4	Scituate Ave @ Comstock Pkwy	Cranston	Trees/Wires	National Grid				Site Being Inspected
Midstate	7F2	Reservior Ave @ Calart Tower near Route 10	Cranston	Trees/Wires	National Grid				Site Being Inspected
Midstate	34F1	Cucumber Hill Road Pole 116	foster	Trees/Wires	National Grid		Pole in foster		Site Being Inspected
Midstate	54F1	RT 14 West @ Pole 121 # 1787	Warwick	Trees/Wires	National Grid				Site Being Inspected
Portsmouth		Hope Street at Church	Bristol	Trees/Wires	Cleared			Inspector	Completed
Portsmouth		120 West Main Road	Little Compton	Trees	Cleared			Inspector	Completed
Portsmouth		South Shore Road	Little Compton	Tree	Cleared			Inspector	Completed
Portsmouth		576 West Main Road	Little Compton	Tree	Cleared			Inspector	Completed
Portsmouth		122 Sakonnet Point Road	Little Compton	Tree and wires	Cleared			Inspector	Completed
Portsmouth		Aquidneck Avenue	Middletown	Tree	Cleared			Inspector	Completed
Portsmouth		Memorial Blvd. - Old Beach Rd to Middletown	Newport	Trees Down	Cleared			Inspector	Completed
Portsmouth		West Main Road @ Freeborn Road	Portsmouth	Trees Down	Cleared			Inspector	Completed
Portsmouth		1028 West Main Road	Portsmouth	Trees Down	Cleared			Inspector	Completed
Portsmouth		East Main Road @ State Police Barracks	Portsmouth	Tree	Cleared			Inspector	Completed
Portsmouth		Route 24 North @ Exit 2	Portsmouth	Tree	Cleared			Inspector	Completed

Road Closures in Rhode Island from Tropical Storm Irene as reported by RIDOT

District	Feeder	Location	City/Town	Issue	Current Status	Completed At	Notes	Checked by	National Grid Updated Status
Portsmouth		Route 24 South at West Main Road	Portsmouth	Tree	Cleared			Inspector	Completed
Portsmouth		1972 Crandall Road	Tiverton	Trees Down	Cleared	8:21am	No Tree Found	Inspector	Completed
Portsmouth		Route 177 @ Fish Road	Tiverton	Trees Down	Cleared	8:29am		Inspector	Completed
Portsmouth		Route 24, North of 138 Overpass	Tiverton	Trees Down	Cleared			Inspector	Completed
Portsmouth		55 Poppasquash Road	Bristol	Tree down, broke water main. Cant fix until tree is removed	Bristol Warer Scheduled Monday for Repairs				Not a NG tree issue
Portsmouth		193 Colebrook Road	Little Compton	Powerline down	OPEN				Not a NG tree issue
Portsmouth		Americas Cup Blvd	Newport	Tree uprooted, east lane					Not a NG tree issue
Portsmouth		Birch Swamp Road	Warren	Tree	Checking				Not a NG tree issue
Portsmouth	51F3	1107 Hope Street	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	1119 Hope Street	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	725 Hope Street	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	868 Hope Street	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	Hope Street, Pole 111	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	Hope Street, Pole 146	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	Hope Street, Pole 61	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	51F3	Hope Street, Pole 82	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	5F4	1300 Hope Street	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	5F4	Hope Street, Pole 13	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	5F4	Hope Street, Pole 41	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	5F4	Hope Street, Pole39	Bristol	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	36W41	2678 East Main Road Pole 511-30	Portsmouth	Trees/Wires	National Grid				Site Being Inspected
Portsmouth	36W43	2128 East main Road Pole 569-38	Portsmouth	Trees/Wires	National Grid				Site Being Inspected
Smithfield		968 Plainfield Street	Cranston		Cleared			Inspector	Completed
Smithfield	126W41, 102K22	Mendon Road @ Angell	Cumberland	Trees in wires	NATIONAL GRID	1:10AM	Nothing found on ground or wires, all clear	Tree Crew	Completed
Smithfield		1240 Diamond Hill @ Tanglewood Drive	Cumberland	wires in Trees	Cleared	12:38AM	All lanes open, piles of brush on ground, no hazard to tr	Tree Crew	Completed
Smithfield		1855 to 1893 Diamond Hill	Cumberland	wires in Trees	NATIONAL GRID			Inspector	Completed
Smithfield		Little Pound County	Cumberland	Trees Down and wires	NATIONAL GRID	CLOSED		Inspector	Completed
Smithfield		Diamond Hill Road @ Falls Staff Road	Cumberland	Trees Down	Cleared			Inspector	Completed
Smithfield		Route 295 @ Scott Road	Cumberland	Trees Down	Cleared			Inspector	Completed
Smithfield		295 @ Mendon Road	Cumberland	Trees Down	Cleared	11:28am		Inspector	Completed
Smithfield		Sneech Road Road	Cumberland	tree down	Cleared			Inspector	Completed
Smithfield		5 Dean Street	Johnston	Trees Down and wires	NATIONAL GRID	CLOSED		Inspector	Completed
Smithfield		Route 6 West @ Killingly On Ramp	Johnston		Cleared			Inspector	Completed
Smithfield		Plainfield Pike at I-295 overpass	Johnston	Flooding	Cleared			Inspector	Completed
Smithfield		243 Old River Road	Lincoln	Trees in wires	NATIONAL GRID	11:40am		Inspector	Completed
Smithfield		Route 246 @ N. Providence Town Line	Lincoln	Trees Down and wires	NATIONAL GRID	12:33		Inspector	Completed
Smithfield		Route 146 South @ Route 146A	Lincoln	Trees Down	Cleared			Inspector	Completed
Smithfield		Great Road	Lincoln	Trees Down	Cleared			Inspector	Completed
Smithfield		Dexter Road	Lincoln	Trees Down	Cleared			Inspector	Completed
Smithfield		Route 146 at Breakneck Hill	Lincoln	Trees Down	Cleared			Inspector	Completed
Smithfield		972 Smithfield Avenue	Lincoln	Trees Down	Cleared	7:50am		Inspector	Completed
Smithfield		Route 246 @ Old Jencks Hill Road	Lincoln	Trees Down	Cleared			Inspector	Completed
Smithfield		Route 146 South @ Mineral Spring Off Ramp	North Providence		Cleared			Inspector	Completed
Smithfield		Route 104, Pole 128	North Smithfield	Trees Down	Cleared			Inspector	Completed
Smithfield		99 Smithfield Road	North Smithfield	Trees Down	Cleared			Inspector	Completed
Smithfield		Route 146 at Route 104 overpass	North Smithfield		Cleared			Inspector	Completed
Smithfield		Route 146 S at Slatersville Road	North Smithfield		Cleared			Inspector	Completed
Smithfield		Route 146 @ Slatersville Road	North Smithfield	Trees Down	Cleared			Inspector	Completed
Smithfield		Rt 116 @ Blais Toyato	Smithfield	Trees Down and wires	NATIONAL GRID	12:33pm		Inspector	Completed
Smithfield		Douglas Pike @ Whipple Road	Smithfield	Trees Down	Cleared			Inspector	Completed
Smithfield		Route 99			Cleared			Inspector	Completed
Smithfield		Wrentham Road			Cleared			Inspector	Completed
Smithfield		John Street @ John Street Bridge	Cumberland	Flooding	Bridge Inspection OK'ed				Not a NG tree issue
Smithfield		Angell Road	Cumberland	Tree down on wires					Not a NG tree issue
Smithfield		Hartford Avenue @ Harding Avenue	Johnston		in progress				Not a NG tree issue
Smithfield		218 River Road	Lincoln		storm drain missing				Not a NG tree issue
Smithfield		Route 246 @ Route 146 overpass	North Providence	Tree blocking road		CLOSED			Not a NG tree issue
Smithfield	126W41, 102K22	65 Angle Road	Cumberland	wires in Trees	NATIONAL GRID				Site Being Inspected
Smithfield	126W41, 102K22	Angel Road Pole 19 & 43	Cumberland	wires in Trees	NATIONAL GRID				Site Being Inspected
Smithfield	102W51	Mendon Road @ River Road	Cumberland	wires in Trees	NATIONAL GRID	One Lane Open			Site Being Inspected

Division 1-12

Request:

What was the total quantity of substations that were out of service as a result of Hurricane Irene and the number of customers affected by each substation? List the reason for each substation and a detailed accounting of the steps taken in the restoration process. Also, if any substations were flooded during this event was there an interruption of service as a result of that flooding?

Response:

There were 34 unique substations out of service during Irene. Three substations were out for two independent periods. No substations were flooded. Attachment DIV 1-12 provides the number of customers affected by each substation, the reason each substation was out of service, and the restoration steps.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Customers		Reason	Restoration Steps	Date Off	Time Off	Date On	Time On
Substation Name	Affected						
Clarke St	1,569	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared and PTR closed	08/28/2011	4:11	08/28/2011	5:29
Eldred	1,705	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared and PTR closed	08/28/2011	4:11	08/28/2011	5:29
Division St	3,320	3311 and 3312 lines locked out at Kent County	Fault cleared and sub-transmission lines were restored	08/28/2011	6:34	08/29/2011	6:30
Clarke St	1,569	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared, but not restored until L14/M13 lines restored	08/28/2011	6:44	08/29/2011	15:58
Eldred	1,705	PTR lockout on 38K23 at p4 Fort Wetherhill	Fault cleared, but not restored until L14/M13 lines restored	08/28/2011	6:44	08/29/2011	15:58
Vernon	1,979	37K22 cable fault between Bailey Brook Sub and Vernon	37K22 line was restored (occurred before the L14/M13 outage)	08/28/2011	6:52	08/28/2011	6:53
Lafayette	3,746	3312 line locked out at Kent County and 84T3 line had a PTR lockout	Fault cleared and sub-transmission lines were restored	08/28/2011	7:25	08/30/2011	20:34
Nasonville	5,185	Lockout on the 115 KV system: B23 (between West Farnum and Nasonville)	Fault cleared and transmission line was restored	08/28/2011	7:40	08/29/2011	21:06
Staples	8,831	Lockout on the 115 KV system: Q10 (between Robinson Ave. and Staples)	Breakers switched to change supply to J16	08/28/2011	7:50	08/29/2011	10:09
Daggett	1,560	Broken pole on the 107W61 required a section to be isolated	Reapirs completed and 13.8 KV feeder was restored	08/28/2011	8:04	08/31/2011	15:57
Geneva	3,258	2211 line locked out at Johnston and 22 line locked out at Admiral St	Fault cleared and sub-transmission lines were restored	08/28/2011	8:32	08/29/2011	15:15
Barrington	4,706	2291 line locked out at Warren	Fault cleared and sub-transmission line was restored	08/28/2011	8:35	08/28/2011	23:00
Crossman St	2,617	102W52 locked out at Valley	Fault cleared and 13.8 KV feeder was restored	08/28/2011	8:42	08/31/2011	10:18
Hyde Ave	1,659	107W81 line locked out at Pawtucket #1	Fault cleared and 13.8 KV feeder was restored	08/28/2011	8:53	08/30/2011	19:07
West Greenville	398	2221 line locked out at Wolf Hill and 2227 line locked out at Johnston	Fault cleared and sub-transmission lines were restored	08/28/2011	8:58	08/29/2011	13:23
Centredale	1,035	2211 line locked out at Johnston and 2219 line locked out at Wolf Hill	Fault cleared and sub-transmission lines were restored	08/28/2011	9:00	08/29/2011	5:41
Chopmist	6,573	2221 line locked out at Wolf Hill and 2227 line locked out at Johnston	Fault cleared and sub-transmission lines were restored	08/28/2011	9:00	08/31/2011	18:33
Manton	8,806	2211 line locked out at Johnston	Fault cleared and sub-transmission line was restored	08/28/2011	9:00	08/28/2011	21:35
Bailey Brook	563	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	15:25
Dexter	7,649	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	10:46
Gate II	1,142	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	12:00
Harrison	2,066	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	14:27
Hospital	1,223	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Jepson	6,592	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/28/2011	6:22
Kingston	2,883	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Merton	1,987	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:52
North Aquidneck	993	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	15:42
South Aquidneck	1,654	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	14:44
Tiverton 2	11,415	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/28/2011	13:08
Vernon	1,979	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	17:18
West Howard	3,123	Lockouts on the 115 KV system: L14 (between Bellrock-Dexter) and M13 (between Somerset-Dexter)	Fault cleared and transmission lines were restored	08/28/2011	9:55	08/29/2011	11:23
Coventry	3,236	2232 line locked out at Hope St.	Fault cleared and sub-transmission line was restored	08/28/2011	10:29	08/29/2011	15:31
Langworthy Corner	2,030	85T3 line had a PTR lockout	Fault cleared and sub-transmission line was restored	08/28/2011	10:40	08/28/2011	13:11
Pawtuxet	937	2260 line locked out at Franklin Square	Fault cleared and sub-transmission line was restored	08/28/2011	11:07	08/30/2011	4:45
Kents Corner	2,751	2291 line locked out at Warren	Fault cleared and sub-transmission line was restored	08/28/2011	11:36	08/28/2011	18:39
Quonset	1,606	84T2 line locked out at Davisville	Fault cleared and sub-transmission line was restored	08/28/2011	12:56	08/28/2011	18:13
Huntington Park	389	2228 line locked out at Elmwood	Fault cleared and sub-transmission line was restored	08/28/2011	17:58	08/31/2011	0:55

Division 1-13

Request:

Did National Grid strategically locate mobile substations or mobile transformers prior to Hurricane Irene?

Response:

No, National Grid did not strategically locate mobile substations or mobile transformers prior to Hurricane Irene.

Prepared by or under the supervision of:  
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Division 1-14

Request:

For any transmission line outage, state the specific line location and section and the reason for the outage. Were any transmission or distribution facilities de-energized by National Grid for any period of time in order to mitigate potential equipment damage due to high winds? Did the wind speeds and wind gusts at any time exceed the design rating of any particular transmission line? If so, specifically state which line and its location.

Response:

Attachment DIV 1-14 provides a listing of the transmission line outages and the reason for the outage. This Attachment is also provided as Attachment 2 to the Company's 90-day Storm Report submitted on this date in Docket 2509 (Storm Contingency Fund). No transmission or distribution facilities were de-energized by National Grid for any period of time to mitigate potential equipment damage due to high winds. Actual wind speeds and wind gusts are not believed to have exceeded the design rating of any of National Grid's transmission lines.

Prepared by or under the supervision of  
Kathy A. Lyford and Jennifer L. Grimsley

## TRANSMISSION LINE

LINE	Type Of Incident	INCIDENT DATE & TIME	INCIDENT LOCATION INFO	DAMAGE REPORTED	SUBSTATIONS AFFECTED	REPAIR COMPLETED DATE & TIME	Line Out Notes	TRANSMISSION SWITCHING TO PICK UP CUSTOMERS	Switching Time On
B23	Line Out	8/28/11 @ 7:40	West Farnum, RI	The 115kV to 13.8kV transformer is out at the end of B23. Nasonville. Conductor Down Between Str 45-55, Tree on Phase @ Str 54.	Nasonville; Pascoag	8/28/11 @ 14:50	8/29/11 Aerial Patrol Complete. West Farnum to Nasonville substation (North Smithfield, RI to Burriville, RI) possibly 5100 customer OOS - RTU down at this time. Field confirms that 5100 customers OOS. The B23 line tripped and locked out of West Farnum. Time of lock out is 0740. Crews at station and inspecting the yard. Pete Parquette patrolling in the AM of 8/29.	N/A	N/A
Q10	Line Out	8/28/11 @ 7:50	Robinson Ave/Staples MA/RI	10 Structures outside Robinson Ave.	Staples Sub	8/29/11 @ 17:05	8/29/11 Aerial Patrol Complete. 8/28/11 @ 9:00 AM - Robinson Avenue to Staples substation ( Attleboro, MA to Cumberlind, RI) Staples substaion flat . Field report of tree on riser of 112W43 station energized at 0859 from J16 (Riverside substaion = Woonsocket, RI) and 13kV load being picked up. Q10 still isolated between Robinson Avenue and Staples.	Yes	8/29/11 18:04
F184	Line Out	8/28/11 @ 8:07	Brayton Point - Read Street, RI	Brayton Point - Read Street (12.9 M outside of Brayton Point) Str 187 Tree on line at Str 292 off of Pond Street Seekonk, MA	Read St; Bristol; West St No 1	Partial Restoration 8/28/11 @ 16:09 Cleared off 8/29/11 @ 22:02, Returned 8/29/11 @ 12:00PM	8/29/11 Aerial Patrol Clear. 8/29/11 Tree on line at Str 292 off of Pond Street Seekonk, MA 8/28/11 @ 16:09 PM Partial Restoration 8/28/11 @ 9:00 AM - Sation Transferred to Distribution feeder 40.Brayton Point to Mink Street to Read Street to Warren to Bristol ( Somerset, MA to Seekonk, MA to Attleboro, MA to Warren, RI to Bristol, RI) Read St isolated to V148, Mink Street 2267(23kV) OOS and 13kv load transferred auto, Warren (12kV) 5F1+5F2+5F4 L/O, Bristol (12kV) 51F1 T/R + 51F3 L/O	Yes	8/29/11 12:12
M13	Line Out	08/28/2011 @ 9:50	Bellrock, MA/RI	Trees down need cleared from lines. Bellrock. Back in service from Somerset to Tiverton, out from Conicus to Dexter, part of the M13	Dexter; Jepson; Navy 1; Gate II; Bates; Tiverton; EMI Tiverton; Canonicus;	8/29/11 @ 13:56	8/29/11 Aerial Patrol Clear. Trees down need cleared from lines	Yes	8/29/11 10:01
3761 and 3762	Line Out	08/28/2011 @ 09:30	Dexter, RI	Dexter, part of L14 & M13.	0	8/29/11 @ 9:30 AM	8/29/11 Aerial Patrol Clear.	N/A	N/A



## TRANSMISSION LINE

LINE	Type Of Incident	INCIDENT DATE & TIME	INCIDENT LOCATION INFO	DAMAGE REPORTED	SUBSTATIONS AFFECTED	REPAIR COMPLETED DATE & TIME	Line Out Notes	TRANSMISSION SWITCHING TO PICK UP CUSTOMERS	Switching Time On
V148	Line Out	8/28/11 @ 9:43	Robinson Avenue to Read Street to Washington, RI	Air break switch at Reed Street damaged. Mendon Road (Rt 122) Cumberland, RI Tree Bent Top	Read St; Bristol; West St No 1	08/29/2011 @ 9:43	8/29/11 Aerial Patrol Complete	Yes	08/29/2011 12:12
H17	Line Out	08/28/2011 @ 9:52	Riverside to Farnum and West Farnum, RI	Structure 30-31 near Dash 2 Dash 3 Switches Trees down brushed Phases.	0	8/28/11 @ 10:40	8/29/11 Aerial Patrol Complete.	N/A	N/A
T7	Line Out	8/28/11 9:55 AM	Pawtucket to Somerset Str 23-24, MA/RI	Pawtucket #1 to Sommerset. Swansea, MA confirmed phase down on Sharps lot Rd. structure 23 or 24.	0	8/29/11 @ 18:50	8/29/11 Aerial Partol Clear. Pawtucket #1 to Sommerset. Swansea, MA	N/A	N/A
L14	Line Out	8/28/11 9:55 AM	Str 54E Snapped at Base MA/RI	Str 54E Snapped at Base, Trees down need cleared from line. Structure 54 broken at the base in to the M14 line 20 20:15. Broken pole M13, AM Clearance part of the M13 outage poles, matting and	Dexter; Jepson; Navy 1; Gate II; Bates; Tiverton; EMI Tiverton; Canonicus;	8/29/11 @ 9:30 Somerset to Dexter	8/29/11 Aerial Patrol Clear. Structure 54 broken at the base in to the M14 line 20 20:15. Broken pole M13, AM Clearance part of the M13 outage poles, matting and crane ordered for the AM whole line out of service.	Yes	08/29/2011 10:01

Division 1-15

Request:

Was there a backup generation plan in place for critical electric loads during electrical emergencies prior to this storm? Please provide a copy. Were generators or some other temporary measure made available as a backup power supply to any critical loads during the storm? Did any backup generation sites either for the utility or key account customers fail or prove inadequate? Were any outages extended because of the time required to bring the system back into its normal operating condition? Was any fuel source interrupted to any necessary generation during the storm?

Response:

National Grid does not have a back up generation plan for external critical loads but will assist critical customers, e.g. hospitals, in the event an emergency condition involving life/safety arises during an event. The State Agencies at RIEMA, Department of Environmental Management, and Department of Health Services ensure that back-up generation systems are operational for critical loads prior to the storm. Examples include waste water treatment plants, pumping stations, nursing homes, and hospitals. Back-up generation issues are directed to RIEMA through the appropriate state agency and added to the National Grid critical customer priority list for power restoration prioritization.

Generators at Company facilities are tested on a monthly basis and re-fueled, if necessary, prior to major weather events. All National Grid facilities that have back-up generators operated as designed during Irene, and no restoration efforts at National Grid facilities were negatively impacted by the lack of power during the event.

Prepared by or under the supervision of: Kathy A. Lyford

Division 1-16

Request:

Describe the contractor subsistence plan and housing plan used during the storm. Provide the name of the individual that was responsible for each storm restoration mobilization activity including:

- a. National Grid escorts
- b. Fuel access and delivery
- c. Material access and delivery
- d. Truck and equipment repairs
- e. Arranging for meals
- f. Arranging for sleeping quarters
- g. Coordinating the dispatch of outside contractor and utility assistance crews, including providing escorts to the work areas.

Response:

With respect to subparts (a) through (g), above, please see Section III.D “Logistics” on pages 18-25 of the Company’s 90-day Storm Report submitted in Docket 2509 (Storm Contingency Fund).

Prepared by or under the supervision of: Kathy A. Lyford

Division 1-17

Request:

How many additional personnel were called in to outage management centers, call centers or control centers for response assistance and dispatch assistance? Also, were these personnel mobilized prior to Hurricane Irene reaching Rhode Island or were they mobilized after Hurricane Irene had passed through Rhode Island?

Response:

**Providence Emergency Operations Center (EOC) and dispatching support**

Prior to the storm on 8/28/11, 23 additional EOC support personnel were assigned to the EOC in Providence Rhode Island. 12 EOC support personnel were assigned to the day shift and 11 were assigned to the night shift.

As the restoration progressed, an additional EOC was opened in North Kingstown. As of 9/3/11 Rhode Island EOC support staffing included 11 day shift and 11 night shift workers in the Providence EOC, plus 12 day shift and 11 night shift EOC support personnel in North Kingstown.

**Damage Assessment**

A Damage Assessment operations room was opened in Providence on Sunday morning, 8/28/11. in anticipation of outages from the storm. The room was staffed with 6 office support staff to coordinate the efforts. Support staff was provided 24 hours a day, and 7 office support staff worked the overnight hours.

At first light on Monday morning, 8/29/11, when the storm had subsided, the day shift support staff was increased to 11 and 53 individuals were deployed in the field to perform damage assessment patrols. On Monday night, the night shift support staff was increased to 21 people.

Throughout the restoration, Damage Assessment staffing levels continued to increase as resources were cleared from other locations. Field Patrollers peaked at 80 individuals on Tuesday, 8/30/11. and the office support staff peaked at 49 people, split between day and night, on Wednesday, 8/31/11..

**Call Center**

On any given day approximately 66 representatives are staffed for all of New England to handle call volume during peak intervals. For Tropical Storm Irene we staffed 385 representatives at the onset of the storm. This staffing level was adjusted as the storm response progressed and peaked at approximately 520 representatives. We resumed normal staffing on Sunday, September 4th.

Division 1-17 (continued)

**Wires Down**

Prior to the event, the Rhode Island Wires down room staffed up to 11 day shift support personnel and 6 night shift support personnel. This support staff remained constant throughout the event.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Division 1-18

Request:

Provide five years of historical data including: funding level, deposits and withdrawals from the company storm expense account.

Response:

Please see Attachment DIV 1-18 for the five years of historical data.

Prepared by or under the supervision of: Jeffrey Oliveira

**The Narragansett Electric Company**  
**d/b/a National Grid**  
Annual Report of Storm Fund Activity  
For the Year Ended December 31, 2006

Line No.	Month	Beginning Balance	Monthly Contribution	Monthly Interest	July Storm Charges	October Storm Charges	Adjustments	Ending Balance
		(a)	(b)	(c)	(d)	(e)	(f)	(g)
1	January-06	\$17,325,096	\$86,750	\$61,782	\$0	\$0	\$0	\$17,473,629
2	February	\$17,473,629	\$86,750	\$62,313	\$0	\$0	\$0	\$17,622,692
3	March	\$17,622,692	\$86,750	\$63,579	\$0	\$0	\$0	\$17,773,020
4	April	\$17,773,020	\$86,750	\$64,122	\$0	\$0	\$0	\$17,923,892
5	May	\$17,923,892	\$86,750	\$64,668	\$0	\$0	\$0	\$18,075,310
6	June	\$18,075,310	\$86,750	\$65,215	\$0	\$0	\$0	\$18,227,276
7	July	\$18,227,276	\$86,750	\$65,765	\$0 1/	\$0	\$0	\$18,379,791
8	August	\$18,379,791	\$86,750	\$66,317	(\$145,800) 2/	\$0	\$0	\$18,387,058
9	September	\$18,387,058	\$86,750	\$66,343	(\$468,939)	\$0	\$0	\$18,071,211
10	October	\$18,071,211	\$86,750	\$65,201	(\$77,761)	\$0	\$0	\$18,145,401
11	November	\$18,145,401	\$86,750	\$65,469	(\$647)	(\$289,571) 3/	\$0	\$18,007,401
12	December	\$18,007,401	\$86,750	\$64,970	\$0	(\$138,436)	\$184,297 4/	\$18,204,982
13	Year Ended 12/31/06	\$18,007,401	\$1,041,000	\$775,744	(\$693,148)	(\$428,008)	\$184,297	\$18,204,982 5/

1/ Represents storm charges of \$372,435 less \$372,435 deductible.

2/ Represents storm charges of \$148,365 less remaining deductible of \$2,565.

3/ Represents storm charges of \$664,571 less \$375,000 deductible.

4/ Represents 50% of 2006 attachment fee revenue in excess of \$850,000.

5/ The ending balance does not reflect the use of up to \$2,000,000 of the fund for under grounding the E-183 transmission line as provided for in RIGL 42-98-1.1 upon the petition by the Attorney General. If the \$2,000,000 is taken into account, the ending balance would be \$16,202,389.

**The Narragansett Electric Company**

**d/b/a National Grid**

Annual Report of Storm Fund Activity  
For the Year Ended December 31, 2007

Line No.	Month	Beginning Balance (a)	Monthly Contribution (b)	Monthly Interest (c)	Oct-2006 Charges (d)	Apr-2007 Charges (e)	Nov-2007 Charges (f)	Adjustments (g)	Ending Balance (h)
1	January-07	\$18,204,982	\$86,750	\$65,684	(\$143,984) 1/			\$0	\$18,213,432
2	February	\$18,213,432	\$86,750	\$65,715	(\$2,452) 1/			\$0	\$18,363,446
3	March	\$18,363,446	\$86,750	\$73,738	\$0			\$0	\$18,523,934
4	April	\$18,523,934	\$86,750	\$74,384	\$0	(\$119,719) 2/		\$0	\$18,565,349
5	May	\$18,565,349	\$86,750	\$74,551	\$0	(\$596,378)		\$0	\$18,130,272
6	June	\$18,130,272	\$86,750	\$72,800	\$0	(\$125,467)		\$0	\$18,164,354
7	July	\$18,164,354	\$86,750	\$72,937	\$0	(\$10,360)		\$0	\$18,313,681
8	August	\$18,313,681	\$86,750	\$73,538	\$0	(\$7,256)		\$0	\$18,466,713
9	September	\$18,466,713	\$86,750	\$74,154	\$0			\$0	\$18,627,617
10	October	\$18,627,617	\$86,750	\$74,802	\$0			\$0	\$18,789,169
11	November	\$18,789,169	\$86,750	\$75,452	\$0		(\$134,711) 3/	\$0	\$18,816,660
12	December	\$18,816,660	\$86,750	\$75,562	\$0		(\$170,222)	\$320,342 4/	\$19,129,092
13	Year Ended 12/31/07	\$18,204,982	\$1,041,000	\$873,317	(\$146,436)	(\$859,181)	(\$304,933)	\$320,342	\$19,129,092

1/ Represents remaining storm charges from the October 28 & 29, 2006 storm.

2/ Represents storm charges of \$494,719 less \$375,000 deductible.

3/ Represents updated storm charges of \$509,711 less \$375,000 deductible.

4/ Represents 50% of 2007 attachment fee revenue in excess of \$850,000.



## The Narragansett Electric Company

### d/b/a National Grid Annual Report of Storm Fund Activity For the Year Ended December 31, 2008

Line No.	Month	Beginning Balance (a)	Monthly Contribution (b)	Monthly Interest (c)	Charges (d)	Adjustments (g)	Ending Balance (h)
1	January-08	\$19,129,092	\$86,750	\$76,820	(\$181,785) 1/	\$0	\$19,110,877
2	February	\$19,110,877	\$86,750	\$76,747	(\$184,312) 1/	\$0	\$19,090,062
3	March	\$19,090,062	\$86,750	\$70,790	(\$2,033) 1/	\$0	\$19,245,568
4	April	\$19,245,568	\$86,750	\$71,368	(\$20,517) 1/	\$0	\$19,383,169
5	May	\$19,383,169	\$86,750	\$71,880		\$0	\$19,541,799
6	June	\$19,541,799	\$86,750	\$72,469		\$0	\$19,701,018
7	July	\$19,701,018	\$86,750	\$73,061		\$0	\$19,860,829
8	August	\$19,860,829	\$86,750	\$73,655	(\$72,238) 2/	\$0	\$19,948,996
9	September	\$19,948,996	\$86,750	\$73,983	(\$449,150) 2/	\$0	\$19,660,578
10	October	\$19,660,578	\$86,750	\$72,911	\$253 2/	\$0	\$19,820,492
11	November	\$19,820,492	\$86,750	\$73,505	\$0 2/	\$0	\$19,980,747
12	December	\$19,980,747	\$86,750	\$74,101	(\$1,222) 2/	\$247,000 3/	\$20,387,375
13	Year Ended 12/31/08	\$19,129,092	\$1,041,000	\$881,288	(\$911,005)	\$247,000	\$20,387,375

1/ Represents remaining storm charges from the November 3, 2007 storm.

2/ Represents storm charges from the July 2008 storm less deductible of \$375,000.

3/ Represents 50% of 2008 attachment fee revenue in excess of \$850,000.

## The Narragansett Electric Company

### d/b/a National Grid Annual Report of Storm Fund Activity For the Year Ended December 31, 2009

Line No.	Month	Beginning Balance (a)	Monthly Contribution (b)	Monthly Interest (c)	Charges (d)	Adjustments (g)	Ending Balance (h)
1	January-09	\$20,387,375	\$86,750	\$75,612		\$0	\$20,549,737
2	February	\$20,549,737	\$86,750	\$76,215		\$0	\$20,712,703
3	March	\$20,712,703	\$86,750	\$60,113		\$0	\$20,859,566
4	April	\$20,859,566	\$86,750	\$60,540		\$0	\$21,006,856
5	May	\$21,006,856	\$86,750	\$60,969		\$0	\$21,154,575
6	June	\$21,154,575	\$86,750	\$61,398		\$0	\$21,302,723
7	July	\$21,302,723	\$86,750	\$61,829		\$0	\$21,451,303
8	August	\$21,451,303	\$86,750	\$62,261		\$0	\$21,600,314
9	September	\$21,600,314	\$86,750	\$62,695		\$0	\$21,749,759
10	October	\$21,749,759	\$86,750	\$63,129		\$0	\$21,899,638
11	November	\$21,899,638	\$86,750	\$63,565		\$0	\$22,049,954
12	December	\$22,049,954	\$86,750	\$64,002		\$408,497 1/	\$22,609,203
13	Year Ended 12/31/09	\$20,387,375	\$1,041,000	\$772,331	\$0	\$408,497	\$22,609,203

1/ Represents 50% of 2009 attachment fee revenue in excess of \$850,000.

**The Narragansett Electric Company**  
**d/b/a National Grid**  
Annual Report of Storm Fund Activity  
For the Year Ended December 31, 2010

Line No.	Month	Beginning Balance (a)	Monthly Contribution (b)	Monthly Interest (c)	Mar-2010 Charges (d)	Adjustments (g)	Ending Balance (h)
1	January-10	\$ 22,609,203	\$ -	\$ 65,629	\$ -	\$ -	\$ 22,674,832
2	February	22,674,832	-	65,946		-	22,740,778
3	March	22,740,778	-	64,922		-	22,805,700
4	April	22,805,700	-	65,107	(755,913)	-	22,114,894
5	May	22,114,894	-	63,135	(351,915)	-	21,826,114
6	June	21,826,114	-	62,311	(316,564)	-	21,571,860
7	July	21,571,860	-	61,585	(21,857)	-	21,611,588
8	August	21,611,588	-	61,698	(82,951)	-	21,590,335
9	September	21,590,335	-	61,637	(105,435)	-	21,546,537
10	October	21,546,537	-	61,512	(21,020)	-	21,587,029
11	November	21,587,029	-	61,628	(472)	-	21,648,186
12	December	21,648,186	-	61,803	(8,209)	391,708 1/	22,093,487
13	Year Ended 12/31/10	\$22,609,203	\$ -	\$756,912	(\$1,664,336)	\$391,708	\$22,093,487

1/ Represents 50% of 2010 attachment fee revenue in excess of \$850,000.

Division 1-19

Request:

Provide information on historical storm events and any operational changes that were employed as a result of any lessons learned.

Response:

Based on National Grid's company-wide performance during prior storms, the Company has identified two critical areas for improvement in storm response generally. These areas are communications and wires down response. With regard to communications, National Grid identified that having a Company liaison familiar with the community based in the town's emergency command center proved to be beneficial to providing municipalities with the timely information during events that they desire, as well as to improve the two-way communications between the municipalities and the Company. This practice has worked well in the past and we continued to expand on this process during Tropical Storm Irene.

With regard to our wires down process, the Company identified that the critical public safety function served by wires down stand-by and cut and clear personnel was in need of improvement. As a result, the Company has trained additional personnel including gas and office workers to supplement its wires down staff, which had historically consisted primarily of meter workers. This supplemental staff proved to be critical given the widespread damage of Tropical Storm Irene. As a follow up to this successful effort, the Company is also reviewing all "wires down" practices and how we can continue to improve in this area.

Prepared by or under the supervision of: Kathy A. Lyford

Division 1-20

Request:

Provide information on National Grid's vegetation management program specifically in Rhode Island. Provide any local area or substation cycle information (planned maintenance cycle) and historical funding.

Response:

A full description of National Grid's vegetation management program is included each year in the annual ISR filing. Attachment 1 - DIV 1-20 shows the distribution maintenance cycle information for all circuits in Rhode Island by year and Attachment 2 - DIV 1-20 shows the historic spend for the distribution program for the past five years, as well as a forecasted spend for Fiscal Year 2012.

Prepared by or under the supervision of:  
Craig M. Allen and Kathy A. Lyford

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W44	15 kV	2007	12.5	12.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W51	15 kV	2007	19.32	19.32
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W51	15 kV	2007	6.01	6.01
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W53	15 kV	2007	12.6	12.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W55	15 kV	2007	9.59	9.59
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W61	15 kV	2007	14.41	14.41
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W62	15 kV	2007	18.09	18.09
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W63	15 kV	2007	18.39	18.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W65	15 kV	2007	18.39	18.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W40	15 kV	2007	12.37	12.37
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W50	15 kV	2007	21.87	21.87
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W40	15 kV	2007	9.43	9.43
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W42	15 kV	2007	13.83	13.83
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HOPE	15F2	15 kV	2007	59.7	59.7
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST FARNUM	17W43	15 kV	2007	11.49	11.49
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F1	15 kV	2007	16.5	16.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F2	15 kV	2007	4.1	4.1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F3	15 kV	2007	24	24
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F7	15 kV	2007	15.3	15.3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F8	15 kV	2007	13.7	13.7
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F9	15 kV	2007	10.4	10.4
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F1	15 kV	2007	6.1	6.1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F2	15 kV	2007	14.8	14.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F1	15 kV	2007	42.2	42.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F2	15 kV	2007	22.5	22.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F4	15 kV	2007	17.1	17.1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F1	15 kV	2007	3.96	3.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F4	15 kV	2007	4.25	4.25
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F1	15 kV	2007	18.6	18.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F1	15 kV	2007	5	14.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J1	5 kV	2007	2.33	2.33
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J2	5 kV	2007	3.2	3.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J3	5 kV	2007	3.95	3.95
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J4	5 kV	2007	2.6	2.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F1	15 kV	2007	68	68
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F3	15 kV	2007	23.8	23.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J1	5 kV	2007	0.17	0.17
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J2	5 kV	2007	3.1	3.1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J3	5 kV	2007	2.4	2.4
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J4	5 kV	2007	1.3	1.3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ADMIRAL STREET	9J2	5 kV	2007	0.31	0.31
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ADMIRAL STREET	9J3	5 kV	2007	0.5	0.5
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16F2	15 kV	2007	22.09	22.09
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16J2	5 kV	2007	5.77	5.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F1	15 kV	2007	32.46	32.06
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAFAYETTE	30F2	15 kV	2007	48.16	48.52

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F3	15 kV	2007	75.03	75.03
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W41	15 kV	2007	18.14	17.73
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W42	15 kV	2007	16.62	18.85
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W43	15 kV	2007	16.62	18.85
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W44	15 kV	2007	29.49	29.55
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	APPONAUG	3F1	15 kV	2007	25.49	29.13
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BONNET	42F1	15 kV	2007	40.33	40.36
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J2	5 kV	2007	7.45	7.45
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J6	5 kV	2007	6.3	6.3
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F1	15 kV	2007	25.16	25.42
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F2	15 kV	2007	40.16	40.33
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F3	15 kV	2007	18.37	19.72
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F4	15 kV	2007	32.47	32.47
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F2	15 kV	2007	21.06	21.08
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F3	15 kV	2007	61.26	60.55
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F2	15 kV	2007	32.33	29.88
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J2	5 kV	2007	10.05	10.05
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F4	15 kV	2007	47.51	47.66
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F2	15 kV	2007	20.91	20.94
<b>Totals</b>									<b>1,241.39</b>	<b>1,257.16</b>

STATE	COMPANY CODE	COMPANY NAME	REGION	OPS DIST	SUBSTATION	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102K22	20 kV	2008	4.98	4.98
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W41	15 kV	2008	1.65	1.65
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W42	15 kV	2008	4.95	4.95
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W50	15 kV	2008	0.91	0.91
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W52	15 kV	2008	3.7	3.7
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J6	5 kV	2008	1.37	1.37
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F2	15 kV	2008	16.47	16.47
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F3	15 kV	2008	10.69	10.69
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F4	15 kV	2008	19.77	19.77
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F9	15 kV	2008	17.14	17.14
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HOPE	15F1	15 kV	2008	22.52	22.7
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F5	15 kV	2008	15.67	15.67
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HYDE	28J1	5 kV	2008	4.67	4.67
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J7	5 kV	2008	2	2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F2	15 kV	2008	74.57	74.57
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F3	15 kV	2008	44.39	44.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J5	5 kV	2008	3.94	3.94
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J1	5 kV	2008	0.33	0.33
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J2	5 kV	2008	5.95	5.95
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J3	5 kV	2008	6.44	6.44
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J4	5 kV	2008	6.99	6.99
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F1	15 kV	2008	16.45	16.45
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F2	15 kV	2008	5.32	5.32
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F5	15 kV	2008	18.01	18.01
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F6	15 kV	2008	11.55	11.55
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BARRINGTON	4F1	15 kV	2008	25.21	25.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F1	15 kV	2008	27.75	27.75
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F2	15 kV	2008	21.83	21.83
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F3	15 kV	2008	21.46	21.46
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F1	15 kV	2008	33.16	33.16
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F2	15 kV	2008	25.21	25.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F3	15 kV	2008	20.71	20.71
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F4	15 kV	2008	19.59	19.59
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KNIGHTSVILLE	66J2	5 kV	2008	4.31	4.31
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KNIGHTSVILLE	66J4	5 kV	2008	3.94	3.94
Rhode Island	49	Narragansett Electric	Ocean State	Capital	MANTON	69F1	15 kV	2008	20.93	20.93
Rhode Island	49	Narragansett Electric	Ocean State	Capital	MANTON	69F3	15 kV	2008	22.9	22.9
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J6	5 kV	2008	15.3	15.3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J1	5 kV	2008	3.39	3.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J2	5 kV	2008	1.9	1.9
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J3	5 kV	2008	2.3	2.3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J4	5 kV	2008	2.68	2.68
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J5	5 kV	2008	5.4	5.4
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F1	15 kV	2008	11.59	11.59
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WATERMAN AVE	78F3	15 kV	2008	9.47	9.47
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WATERMAN AVE	78F4	15 kV	2008	8.79	8.79



STATE	COMPANY CODE	COMPANY NAME	REGION	OPS DIST	SUBSTATION	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F1	15 kV	2008	0.14	0.14
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F2	15 kV	2008	6.54	6.54
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ELMWOOD	7F1	15 kV	2008	17.38	17.38
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ELMWOOD	7F2	15 kV	2008	15.99	16.04
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	SOUTH AQUIDNECK	122J4	5 kV	2008	9.87	9.87
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Kingston	131J2	5 kV	2008	1.87	1.88
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Kingston	131J4	5 kV	2008	2.75	2.75
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOSPITAL	146J14	5 kV	2008	1	1.05
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOSPITAL	146J2	5 kV	2008	2.56	2.62
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F2	15 kV	2008	12.59	12.59
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F3	15 kV	2008	7.45	7.9
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16J1	15 kV	2008	9.58	9.58
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16J3	5 kV	2008	2.22	2.22
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F2	15 kV	2008	23.82	24.08
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F3	15 kV	2008	24.01	24.21
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BAILEY BROOK	19J16	5 kV	2008	3.55	3.66
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NORTH AQUIDNECK	21J4	5 kV	2008	11.92	11.94
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F1	15 kV	2008	15.24	15.28
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F3	15 kV	2008	15.4	16.41
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F4	15 kV	2008	10.37	10.4
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	VERNON	23J2	5 kV	2008	2.94	3.06
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	VERNON	23J4	5 kV	2008	4.44	4.5
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NATICK	29F1	15 kV	2008	18	17.98
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NATICK	29F2	15 kV	2008	3.35	3.35
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PAWTUXET	31J1	5 kV	2008	0.69	0.69
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F1	15 kV	2008	25.89	25.15
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F2	15 kV	2008	25.15	25.27
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W42	15 kV	2008	16.62	18.85
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37J2	5 kV	2008	1.5	1.5
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W41	15 kV	2008	11.2	11.2
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W42	15 kV	2008	13.21	13.36
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W43	15 kV	2008	22.01	22.03
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HUNT RIVER	40F1	15 kV	2008	12.62	12.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F1	15 kV	2008	10.82	5.44
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F2	15 kV	2008	10.97	10.99
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAKEWOOD	57J3	5 kV	2008	7.63	7.83
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F1	15 kV	2008	3.9	7.01
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F3	15 kV	2008	13.58	13.58
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F3	15 kV	2008	37.68	37.95
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F4	15 kV	2008	12.81	12.92
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F5	15 kV	2008	27.56	27.76
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F6	15 kV	2008	117.33	117.45
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J12	5 kV	2008	15.32	15.32
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F1	15 kV	2008	9.81	9.81
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F4	15 kV	2008	5.2	6.81
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	QUONSET	83F2	15 kV	2008	25.13	24.71

COMPANY						FEEDER	EFFECTIVE KV	SCHEDULED	COMPLETED	
STATE	CODE	COMPANY NAME	REGION	OPS DIST	SUBSTATION	CODE	CLASS	FY PRUNED	MILES	MILES
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DAVISVILLE	84T1	0 kV	2008	0	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WOOD RIVER	85T1	0 kV	2008	33.19	28.21
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KILVERT ST.	87F1	15 kV	2008	8.24	8.38
Totals									1,319.29	1,318.85

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W54	15 kV	2009	19.52	19.52
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRAL FALLS	104J1	5 kV	2009	1.21	1.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRAL FALLS	104J5	5 kV	2009	3.8	3.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRE ST	106J1	5 kV	2009	2.27	2.27
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W43	15 kV	2009	7.56	7.56
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W50	15 kV	2009	3.96	3.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W53	15 kV	2009	6.93	6.93
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W60	15 kV	2009	3.54	3.54
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W61	15 kV	2009	5.53	5.53
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W62	15 kV	2009	10.5	10.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W63	15 kV	2009	17.28	17.28
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W65	15 kV	2009	8.14	8.14
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W66	15 kV	2009	2.77	2.77
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W81	15 kV	2009	4.94	4.94
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W83	15 kV	2009	7.87	7.87
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W84	15 kV	2009	5.57	5.57
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W60	15 kV	2009	20.16	22.89
Rhode Island	49	Narragansett Electric	Ocean State	Capital	COTTAGE STREET	109J5	5 kV	2009	3.83	3.83
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W43	15 kV	2009	14.15	14.15
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W44	15 kV	2009	48.6	48.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W41	15 kV	2009	28.84	28.84
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W41	15 kV	2009	31.74	31.74
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J1	5 kV	2009	1.25	1.25
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J2	5 kV	2009	2	2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J3	5 kV	2009	0.18	0.18
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J4	5 kV	2009	2.25	2.25
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	12J5	5 kV	2009	0.82	0.82
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F5	15 kV	2009	12.85	12.85
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST FARNUM	17W42	15 kV	2009	19.26	19.26
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F5	15 kV	2009	13.13	13.13
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F6	15 kV	2009	26.2	26.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F2	15 kV	2009	10.05	10.05
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F3	15 kV	2009	6.21	6.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F4	15 kV	2009	6.21	6.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F6	15 kV	2009	24.04	24.04
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SPRAGUE STREET	36J1	5 kV	2009	1.89	1.89
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SPRAGUE STREET	36J2	5 kV	2009	1.91	1.91
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SPRAGUE STREET	36J4	5 kV	2009	2.82	2.82
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SPRAGUE STREET	36J5	5 kV	2009	1.9	1.9
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F2	15 kV	2009	17.46	17.46
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F4	15 kV	2009	20.21	20.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F5	15 kV	2009	37.92	37.92
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F6	15 kV	2009	16.02	16.02
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST GREENVILLE	45F2	15 kV	2009	10.69	10.69
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F3	15 kV	2009	17.76	17.76

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F4	15 kV	2009	12.55	12.55
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BARRINGTON	4F2	15 kV	2009	22.96	22.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTREDALE	50J1	5 kV	2009	3.28	3.28
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTREDALE	50J3	5 kV	2009	3.39	3.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KNIGHTSVILLE	66J1	5 kV	2009	2.56	2.56
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KNIGHTSVILLE	66J3	5 kV	2009	4.47	4.47
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KNIGHTSVILLE	66J5	5 kV	2009	3.15	3.15
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J2	5 kV	2009	2.88	2.88
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J5	5 kV	2009	1.72	1.72
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J1	5 kV	2009	2.61	2.61
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J2	5 kV	2009	1.96	1.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J3	5 kV	2009	2.6	2.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J4	5 kV	2009	3.21	3.21
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J5	5 kV	2009	3.2	3.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F2	15 kV	2009	9.96	9.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F4	15 kV	2009	19.73	19.73
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F6	15 kV	2009	11.77	11.77
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F7	15 kV	2009	16.92	16.92
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ADMIRAL STREET	9J1	5 kV	2009	4.58	4.58
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ADMIRAL STREET	9J5	5 kV	2009	1.41	1.41
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	SOUTH AQUIDNECK	122J2	5 kV	2009	5.15	5.15
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	SOUTH AQUIDNECK	122J6	5 kV	2009	1.24	1.24
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Kingston	131J12	5 kV	2009	1.26	1.26
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Kingston	131J14	5 kV	2009	0.27	0.27
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Kingston	131J6	5 kV	2009	2.26	2.26
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J14	5 kV	2009	1.44	1.44
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J16	5 kV	2009	0.26	0.26
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J18	5 kV	2009	4.11	4.11
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J2	5 kV	2009	1.01	1.01
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J6	5 kV	2009	0.45	0.45
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WEST HOWARD	154J8	5 kV	2009	2.72	2.72
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BAILEY BROOK	19J14	5 kV	2009	2.34	2.34
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BAILEY BROOK	19J2	5 kV	2009	4.72	4.72
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NORTH AQUIDNECK	21J2	5 kV	2009	3.39	3.39
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NORTH AQUIDNECK	21J6	5 kV	2009	2.55	2.55
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	VERNON	23J12	5 kV	2009	2.41	2.41
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	VERNON	23J14	5 kV	2009	3.06	3.06
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	VERNON	23J6	5 kV	2009	0.57	0.57
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PAWTUXET	31J2	5 kV	2009	7.81	7.81
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HARRISON	32J12	5 kV	2009	7.51	7.51
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HARRISON	32J14	5 kV	2009	4.21	4.21
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HARRISON	32J2	5 kV	2009	5.31	5.31
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HARRISON	32J4	5 kV	2009	5	5
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F4	15 kV	2009	89.51	89.51
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37J4	5 kV	2009	3.65	3.65

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	GATE TWO	38J2	5 kV	2009	2.74	2.74
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	GATE TWO	38J4	5 kV	2009	1.98	1.98
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPE VALLEY	41F1	15 kV	2009	58.26	58.26
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ARCTIC	49J1	5 kV	2009	3.78	3.78
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ARCTIC	49J2	5 kV	2009	2.37	2.37
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ARCTIC	49J3	5 kV	2009	3.77	3.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ARCTIC	49J4	5 kV	2009	2.55	2.55
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	MERTON	51J12	5 kV	2009	0.9	0.9
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	MERTON	51J14	5 kV	2009	0.34	0.34
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	MERTON	51J16	5 kV	2009	2.8	2.8
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	MERTON	51J2	5 kV	2009	3.34	3.34
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	COVENTRY	54F1	15 kV	2009	106.63	106.63
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAKEWOOD	57J2	5 kV	2009	5.46	5.46
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAKEWOOD	57J4	5 kV	2009	5.91	5.91
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAKEWOOD	57J5	5 kV	2009	6.21	6.21
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F1	15 kV	2009	48.7	48.7
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F4	15 kV	2009	15.96	15.96
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F2	15 kV	2009	15.54	15.54
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F4	15 kV	2009	3.49	3.49
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ANTHONY	64F1	15 kV	2009	19.88	19.88
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ANTHONY	64F2	15 kV	2009	15.56	15.56
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F3	15 kV	2009	81.09	81.09
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F5	15 kV	2009	24.24	24.24
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F6	15 kV	2009	15.77	15.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	QUONSET	83F1	15 kV	2009	0.71	0.71
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	QUONSET	83F3	15 kV	2009	1.44	1.44
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DAVISVILLE	84T2	0 kV	2009	1.77	1.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DAVISVILLE	84T4	0 kV	2009	1.77	1.77
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WOOD RIVER	85T3	0 kV	2009	63.39	63.39
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KILVERT ST.	87F2	15 kV	2009	4.65	4.65
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KILVERT ST.	87F4	15 kV	2009	2.95	2.95
<b>Totals</b>									<b>1,332.81</b>	<b>1,335.54</b>

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRAL FALLS	104J3	5 kV	2010	2.34	2.43
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRAL FALLS	104J7	5 kV	2010	3.35	3.32
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRE ST	106J3	5 kV	2010	3.02	3.05
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTRE ST	106J7	5 kV	2010	1.08	1.09
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W51	15 kV	2010	2.62	4.47
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W80	15 kV	2010	2.79	4.6
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W61	15 kV	2010	15.23	14.4
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W62	15 kV	2010	18	18
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W63	15 kV	2010	18.44	18.44
Rhode Island	49	Narragansett Electric	Ocean State	Capital	COTTAGE STREET	109J1	5 kV	2010	3.06	2.22
Rhode Island	49	Narragansett Electric	Ocean State	Capital	COTTAGE STREET	109J3	5 kV	2010	3.69	3.75
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ADMIRAL STREET	1119	15 kV	2010	0.75	0.62
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CROSSMAN STREET	111J1	5 kV	2010	4.03	3.91
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CROSSMAN STREET	111J3	5 kV	2010	5.92	3.03
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FRANKLIN SQUARE	1123	15 kV	2010	2.33	2.33
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FRANKLIN SQUARE	1125	15 kV	2010	3.7	3.75
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W41	15 kV	2010	28.8	28.29
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W42	15 kV	2010	24.88	24.66
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	1131	15 kV	2010	0.75	0.85
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HARRIS AVENUE	1133	15 kV	2010	0.47	0.67
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DAGGETT	113J1	5 kV	2010	3.86	2.61
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DAGGETT	113J2	5 kV	2010	4.17	3.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W42	15 kV	2010	9.76	9.58
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W51	15 kV	2010	21.12	27.13
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W40	15 kV	2010	56.11	55.45
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	148J1	5 kV	2010	3.69	3.43
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	148J3	5 kV	2010	2.13	2.84
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	148J5	5 kV	2010	1.44	2.07
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	148J7	5 kV	2010	3.98	2.98
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F3	15 kV	2010	18.73	23.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F1	15 kV	2010	33.84	33.89
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F1	15 kV	2010	10.01	10.01
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F2	15 kV	2010	16.33	16.33
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F3	15 kV	2010	10.25	10.25
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FARNUM PIKE	23F6	15 kV	2010	20.53	20.53
Rhode Island	49	Narragansett Electric	Ocean State	Capital	FRONT ST	24J1	5 kV	2010	1.38	1.43
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HYDE	28J2	5 kV	2010	4.65	3.56
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J1	5 kV	2010	1.26	1.26
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J3	5 kV	2010	0.46	0.46
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J4	5 kV	2010	0.25	0.26
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J5	5 kV	2010	0.56	0.56
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LEE STREET	30J1	5 kV	2010	3.95	3.93
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LEE STREET	30J3	5 kV	2010	4.05	4.16
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LEE STREET	30J5	5 kV	2010	3.1	3.09
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F1	15 kV	2010	168.18	168.18

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTREDALE	50F2	15 kV	2010	5.44	6.88
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CENTREDALE	50J2	5 kV	2010	0.18	0.15
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SOUTHEAST	60J1	5 kV	2010	2.11	2.06
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SOUTHEAST	60J3	5 kV	2010	3.56	0.45
Rhode Island	49	Narragansett Electric	Ocean State	Capital	SOUTHEAST	60J5	5 kV	2010	3.5	3.53
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HUNTINGTON PARK	67J1	5 kV	2010	2.4	3.55
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J1	5 kV	2010	1.88	2.34
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J3	5 kV	2010	0.61	1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J7	5 kV	2010	2.07	2.52
Rhode Island	49	Narragansett Electric	Ocean State	Capital	OLNEYVILLE	6J8	5 kV	2010	0.18	0.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	AUBURN	73J6	5 kV	2010	2.39	2.94
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F5	15 kV	2010	11.18	12.01
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ELMWOOD	7F4	15 kV	2010	10.99	13.9
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F1	15 kV	2010	15.14	15.14
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F4	15 kV	2010	7.06	7.06
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16F1	15 kV	2010	34.34	34.34
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16F3	15 kV	2010	11.17	11.17
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16F4	15 kV	2010	17.09	17.09
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F2	15 kV	2010	15.94	15.94
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAFAYETTE	30F1	15 kV	2010	52.62	52.62
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAFAYETTE	30F2	15 kV	2010	9.18	9.18
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BONNET	42F1	15 kV	2010	43.46	43.46
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ASHAWAY	43F1	15 kV	2010	64.65	64.65
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F2	15 kV	2010	35.78	35.78
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F3	15 kV	2010	20.42	20.42
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F3	15 kV	2010	25.53	25.53
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAKEWOOD	57J1	5 kV	2010	1.87	1.87
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F1	15 kV	2010	79.67	90.85
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F2	15 kV	2010	75.81	75.81
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F4	15 kV	2010	48.67	48.67
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LANGWORTHY CORNER	86F1	15 kV	2010	25.28	25.28
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Tower Hill	88F1	15 kV	2010	44.23	45.4
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Tower Hill	88F3	15 kV	2010	41.28	6.51
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	Tower Hill	88F5	15 kV	2010	35.05	21.48
								<b>Totals</b>	<b>1,299.77</b>	<b>1,275.41</b>

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W44	15 kV	2011	10.07	10.07
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W51	15 kV	2011	21.14	21.14
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W85	15 kV	2011	1.33	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W51	15 kV	2011	11.59	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W53	15 kV	2011	12.7	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W55	15 kV	2011	9.51	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W65	15 kV	2011	18.83	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W40	15 kV	2011	5.76	5.76
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W50	15 kV	2011	19.98	19.98
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W54	15 kV	2011	11.51	11.51
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W42	15 kV	2011	12.94	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HOPE	15F2	15 kV	2011	59.18	59.18
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST FARNUM	17W43	15 kV	2011	13.21	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F1	15 kV	2011	15.52	15.52
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F7	15 kV	2011	12.11	12.11
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F8	15 kV	2011	10.65	10.65
Rhode Island	49	Narragansett Electric	Ocean State	Capital	JOHNSTON	18F9	15 kV	2011	8.42	8.42
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F1	15 kV	2011	4.98	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F2	15 kV	2011	12.4	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F2	15 kV	2011	21.17	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F4	15 kV	2011	18.5	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F1	15 kV	2011	19.91	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F2	15 kV	2011	2	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F3	15 kV	2011	1.14	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F4	15 kV	2011	8.24	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J7	5 kV	2011	1.92	1.92
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J8	5 kV	2011	0.05	0.05
Rhode Island	49	Narragansett Electric	Ocean State	Capital	DYER STREET	2J9	5 kV	2011	0.08	0.08
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J1	5 kV	2011	2.11	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J2	5 kV	2011	2.86	2.86
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J3	5 kV	2011	3.8	3.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J4	5 kV	2011	2.41	2.41
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J5	5 kV	2011	3.57	3.57
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F1	15 kV	2011	49.62	49.62
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PUTNAM PIKE	38F3	15 kV	2011	16.36	16.36
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F1	15 kV	2011	26.64	26.64
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F2	15 kV	2011	20.78	20.78
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BRISTOL	51F3	15 kV	2011	18.68	18.68
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F1	15 kV	2011	24.97	24.97
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F2	15 kV	2011	25.29	25.29
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F3	15 kV	2011	20.81	20.81
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WARREN	5F4	15 kV	2011	19.54	19.54
Rhode Island	49	Narragansett Electric	Ocean State	Capital	POINT STREET	76F1	15 kV	2011	11.62	11.62
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J1	5 kV	2011	1.12	1.12
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J2	5 kV	2011	3.39	3.39
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J3	5 kV	2011	2.44	2.44



COMPANY						FEEDER	EFFECTIVE KV		SCHEDULED	COMPLETED
STATE	CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	CODE	CLASS	FY PRUNED	MILES	MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	EAST GEORGE ST	77J4	5 kV	2011	1.18	1.18
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F1	15 kV	2011	0.04	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F2	15 kV	2011	5.24	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F1	15 kV	2011	9.64	9.64
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F2	15 kV	2011	16.49	16.49
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DRUMROCK	14F3	15 kV	2011	7.81	7.81
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WESTERLY	16F2	15 kV	2011	21.3	21.3
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F1	15 kV	2011	32.4	32.4
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F2	15 kV	2011	23.73	23.73
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WAKEFIELD	17F3	15 kV	2011	26.24	26.24
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F1	15 kV	2011	16.85	16.85
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENT COUNTY	22F4	15 kV	2011	20.08	20.08
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NATICK	29F1	15 kV	2011	29.67	29.67
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	NATICK	29F2	15 kV	2011	3.24	3.24
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAFAYETTE	30F2	15 kV	2011	18.91	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F3	15 kV	2011	74.98	74.98
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W41	15 kV	2011	18.17	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W42	15 kV	2011	20.35	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W43	15 kV	2011	18.61	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W44	15 kV	2011	29.45	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	APPONAUG	3F1	15 kV	2011	20.55	20.55
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	APPONAUG	3F2	15 kV	2011	18.14	18.14
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	BONNET	42F1	15 kV	2011	11.14	11.14
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J2	5 kV	2011	7.43	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J4	5 kV	2011	11.85	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J6	5 kV	2011	8.77	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F1	15 kV	2011	20.69	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F4	15 kV	2011	19.48	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F1	15 kV	2011	11.63	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F2	15 kV	2011	12.76	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F2	15 kV	2011	21.19	21.19
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F3	15 kV	2011	60.91	60.91
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ANTHONY	64F5	15 kV	2011	0.1	0.01
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J12	5 kV	2011	15.63	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J2	5 kV	2011	7.95	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F1	15 kV	2011	9.68	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F2	15 kV	2011	20.77	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F3	15 kV	2011	15.99	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F4	15 kV	2011	22.53	0
Original Planned Miles									1,312.42	845.84
Planned Miles-Deferred Miles FY11									845.93	
Deferred Miles FY11									466.49	

**FY2012: YTD October 2011**

STATE	COMPANY CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	FEEDER CODE	EFFECTIVE KV CLASS	FY PRUNED	SCHEDULED MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W41	15 kV	2012	1.65	1.65
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W42	15 kV	2012	5.91	5.91
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W50	15 kV	2012	0.81	0.81
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W52	15 kV	2012	3.64	3.64
Rhode Island	49	Narragansett Electric	Ocean State	Capital	VALLEY	102W54	15 kV	2012	19.71	19.71
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PAWTUCKET	107W85	15 kV	2012	1.33	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W51	15 kV	2012	5.8	5.8
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W53	15 kV	2012	12.7	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W55	15 kV	2012	9.51	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	RIVERSIDE	108W65	15 kV	2012	18.83	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W43	15 kV	2012	13.45	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	STAPLES	112W44	15 kV	2012	51.03	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WASHINGTON	126W41	15 kV	2012	29.07	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	NASONVILLE	127W42	15 kV	2012	12.94	12.3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F2	15 kV	2012	18.36	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F3	15 kV	2012	10.66	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F4	15 kV	2012	19.58	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CLARKSON STREET	13F9	15 kV	2012	16.34	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	HOPE	15F1	15 kV	2012	23.07	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST FARNUM	17W43	15 kV	2012	13.21	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F1	15 kV	2012	4.98	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PHILLIPSDALE	20F2	15 kV	2012	12.4	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F2	15 kV	2012	21.17	21.17
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WEST CRANSTON	21F4	15 kV	2012	18.5	18.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F1	15 kV	2012	19.91	19.91
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F2	15 kV	2012	2	2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F3	15 kV	2012	1.14	1.14
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F4	15 kV	2012	8.24	8.24
Rhode Island	49	Narragansett Electric	Ocean State	Capital	PONTIAC	27F5	15 kV	2012	14.35	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F2	15 kV	2012	81.74	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	CHOPMIST	34F3	15 kV	2012	49	44
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ROCHAMBEAU AVENUE	37J1	5 kV	2012	2.11	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J1	5 kV	2012	0.29	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J2	5 kV	2012	5.45	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J3	5 kV	2012	6.14	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	KENTS CORNER	47J4	5 kV	2012	6.27	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F1	15 kV	2012	15.79	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F2	15 kV	2012	4.95	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F3	15 kV	2012	21.43	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F4	15 kV	2012	12.52	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F5	15 kV	2012	17.06	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WAMPANOAG	48F6	15 kV	2012	10.97	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BARRINGTON	4F1	15 kV	2012	20.54	0.5
Rhode Island	49	Narragansett Electric	Ocean State	Capital	BARRINGTON	4F2	15 kV	2012	28.89	0.2
Rhode Island	49	Narragansett Electric	Ocean State	Capital	MANTON	69F1	15 kV	2012	19.35	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	MANTON	69F3	15 kV	2012	14.98	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J1	5 kV	2012	3.21	3
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J2	5 kV	2012	1.67	1.6

**FY2012: YTD October 2011**

COMPANY					FEEDER	EFFECTIVE KV		SCHEDULED		
STATE	CODE	COMPANY	REGION	OPS DIST	SUBSTATION NAME	CODE	CLASS	FY PRUNED	MILES	COMPLETED MILES
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J3	5 kV	2012	2.07	1.96
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J4	5 kV	2012	2.59	2.49
Rhode Island	49	Narragansett Electric	Ocean State	Capital	GENEVA	71J5	5 kV	2012	5.34	1
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WATERMAN AVE	78F3	15 kV	2012	8.96	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	WATERMAN AVE	78F4	15 kV	2012	8.58	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F1	15 kV	2012	0.04	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	LIPPITT HILL	79F2	15 kV	2012	5.24	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ELMWOOD	7F1	15 kV	2012	15.86	0
Rhode Island	49	Narragansett Electric	Ocean State	Capital	ELMWOOD	7F2	15 kV	2012	16.77	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LAFAYETTE	30F2	15 kV	2012	23.07	18.91
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F1	15 kV	2012	28.09	28.09
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	TIVERTON	33F2	15 kV	2012	25.37	25.37
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W41	15 kV	2012	18.17	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W42	15 kV	2012	20.19	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W43	15 kV	2012	18.61	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DEXTER	36W44	15 kV	2012	29.45	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W41	15 kV	2012	10.21	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W42	15 kV	2012	12.29	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	JEPSON	37W43	15 kV	2012	28.67	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HUNT RIVER	40F1	15 kV	2012	13.11	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J2	5 kV	2012	7.43	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J4	5 kV	2012	11.85	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	ELDERED	45J6	5 kV	2012	8.77	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F1	15 kV	2012	20.69	9
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	OLD BAPTIST ROAD	46F4	15 kV	2012	19.48	19
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F1	15 kV	2012	11.63	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WARWICK	52F2	15 kV	2012	12.76	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F1	15 kV	2012	23.69	21
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	PEACEDALE	59F4	15 kV	2012	14.57	14.27
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F1	15 kV	2012	7.35	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F2	15 kV	2012	14.53	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	DIVISION ST	61F3	15 kV	2012	13.74	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F2	15 kV	2012	28.29	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F3	15 kV	2012	39.34	39
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F4	15 kV	2012	14.02	12.5
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F5	15 kV	2012	27.85	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	HOPKINS HILL	63F6	15 kV	2012	125.99	125
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J12	5 kV	2012	15.63	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	CLARKE STREET	65J2	5 kV	2012	7.95	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	KENYON	68F3	15 kV	2012	84.37	84
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F1	15 kV	2012	9.68	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F2	15 kV	2012	20.77	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F3	15 kV	2012	15.99	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	LINCOLN AVENUE	72F4	15 kV	2012	22.53	1
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	QUONSET	83F2	15 kV	2012	23.94	0
Rhode Island	49	Narragansett Electric	Ocean State	Coastal	WOOD RIVER	85T3	0 kV	2012	56.64	0
Original Planned Miles-Inc Deferred Miles from FY11									1,664.81	572.67
Planned Miles-Deferred Mil									1,463.59	
Deferred Miles FY12									201.22	

Dist. Veg. Historic Spend	Fiscal Yr	Actual					Forecast
Activity Roll up	2007	2008	2009	2010	2011	2012	
Cycle Trimming	4,507,825	4,145,887	5,657,983	4,551,945	2,862,029	5,300,000	
Hazard Tree	206,029	721,382	757,342	709,819	234,586	700,000	
Police Detail	260,652	340,452	187,018	240,806	214,837	480,000	
Sub-T	521,995	168,893	436,126	471,597	685,309	461,000	
Core Crew (all other activities)	628,592	1,099,246	795,282	1,046,178	1,024,618	1,278,000	
Grand Total	6,125,092	6,475,860	7,833,752	7,020,344	5,021,377	8,209,000	

Division 1-21

Request:

Provide information on National Grid's pole inspection, treatment, and replacement programs specifically in Rhode Island. Provide average age of poles.

Response:

In Rhode Island, National Grid has a Feeder Hardening strategy, which identifies feeders with characteristics indicating the potential for significant reliability performance improvements related to deteriorated overhead equipment and/or lightning interruptions. Poles are one of the assets that are inspected for asset health. In FY 2011, the Feeder Hardening Strategy identified 55 poles for replacement. Of these poles, 22 are in National Grid maintenance areas and have been completed, while the remaining 33 are in Verizon maintenance areas, and are being replaced through the Joint Ownership process.

Going forward, the Inspection and Maintenance program ("I&M Program") will replace the Feeder Hardening Strategy. The I&M Program inspects overhead distribution equipment on a six-year cycle. These proactive inspections identify and provide for the timely condition-based replacement of visibly damaged or deteriorated assets prior to the next inspection cycle. As part of this program, poles are visually inspected for rot and damage, tested at ground level for rot and "sounded" to determine if there is internal rotting.

The average pole age of the distribution poles in Rhode Island is 36 years.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Division 1-22

Request:

Please provide documentation for compliance with NERC Reliability Standards:

- a. FAC 003-1 Transmission Vegetation Management Program
- b. FAC 0008-1 Facilities Rating Methodology
- c. FAC 0009-1 Establish and Communicate Facility Ratings

Response:

- a. Please see Attachment 1 DIV 1-22
- b. Please see Attachment 2 DIV 1-22
- c. Please see Attachment 3 DIV 1-22

Prepared by or under the supervision of: Vicki M. O'Leary

Attachments DIV 1-22

Due to the voluminous nature of the attachments concerning Division 1-22, the Company is providing the attachments identified below on CD-ROM.

Attachment 1 – DIV 1-22  
Attachment 2 – DIV 1-22  
Attachment 3 – DIV 1-22

Division 1-23

Request:

Provide copies of the emergency event reports prepared and submitted to Massachusetts Department of Public Utilities and New Hampshire Public Utilities Commission. Provide any internal reports similar to these state filings prepared for Rhode Island.

Response:

Attached please find:

Attachment 1 – DIV 1-23: Final Event Report for Massachusetts Electric Company and Nantucket Electric Company for Tropical Storm Irene

Attachment 2 – DIV 1-23: Granite State Electric Company Tropical Storm Irene Self-Assessment

Attachment 3 – DIV 1-23: MA Report A (Customer Outages) for September, 1, 2011 at 12:00. These reports are provided every four hours, at 0400, 0800, 1200, 1600, 2000, and 2400, each day of the storm for events Level 3 or greater. Only one report is provided as an example, but all can be provided if necessary.

Attachment 4 – DIV 1-23: MA Report B (Restoration Resources) for September, 1, 2011 at 12:00. These reports are provided every six hours, at 0600, 1200, 1800 and 2400, each day of the storm for events Level 3 or greater. Only one report is provided as an example, but all can be provided if necessary.

Attachment 5 – DIV 1-23: NH Report A (Customer Outages) for August 29, 2011 at 15:00. These reports are provided every four times daily, between 0500 and 0600, at 1000, between 1500 and 1600 and at 2000 for events requiring more than 24 hours to restore power. Only one report is provided as an example, but all can be provided if necessary.

Attachment 6 – DIV 1-23: NH Report B (Restoration Resources) for August 29, 2011 at 15:00. These reports are provided every four times daily, between 0500 and 0600, at 1000, between 1500 and 1600 and at 2000 for events requiring more than 24 hours to restore power. Only one report is provided as an example, but all can be provided if necessary.

Attachment 7 – DIV 1-23: Hourly Customer Outage Report for Internal Use for August 30, 2011 at 1600. Only one report is provided as an example, but all can be provided.



Division 1-23 (continued)

Attachment 8 – DIV 1-23: Resource Report for Rhode Island for Internal Use. This report provides a summary of the resource data that was collected during the storm at 6 hour intervals coinciding with the data collection for the MA Report B (Restoration Resources) in Attachment 4.

Prepared by or under the supervision of:  
Kathy A. Lyford and Jennifer L. Grimsley

Attachments DIV 1-23

Due to the voluminous nature of the attachments concerning Division 1-23, the Company is providing the attachments identified below on CD-ROM.

Attachments 1 – 8, DIV 1-23