

Appendix B. Power System Rebuild Cost Estimates

Hazard Mitigations	Total (\$ Millions)	Line Item Rollups (\$ Millions)	Rebuild Recommendations ³⁹
Overhead Distribution (includes 38 kV)	\$5,268		
Wind Damage		\$3,432	Replace poles for higher wind loading; install breakaway service connections; install fully insulated wire; relocate distribution away from transmission; selectively underground distribution; install intermediate poles on longer spans; install wider spacing in high debris areas
Insulators Compromised		\$208	Replace insulators with higher insulation level in salt contamination areas; replace insulators with higher strength designs in high wind areas
Flooding		\$965	Replace poles with deeper subgrade support; selectively underground in areas with water-driven debris
Accessibility		\$429	Relocate lines to accessible street level; selectively replace overhead with underground
Operability		\$234	Add automated switches with fault detection, isolation and restoration capability
Underground Distribution	\$35		
Storm Surge/Flooding/Flowing water		\$35	Selectively install submersible equipment; elevate equipment and terminations; spot replace underground with overhead; install engineered protection of cables and conduit in washout areas
Transmission – Overhead	\$4,299		
Wind Damage		\$1,054	Replace poles for higher wind rating and jet grout existing self-embedded poles for higher wind rating; install wider spacing for better insulation; selectively undergrounding risk spans; install intermediate poles to reduce galloping and slapping
Insulators Compromised		\$20	Replace insulators with higher insulation level in salt contamination areas; replace insulator with higher strength insulators
Flooding		\$586	Straighten and Grout existing or replace poles with deeper sub-subgrade and/or engineered foundations
Accessibility		\$2,639	Develop looped transmission overlay on existing highways
Transmission – Underground	\$601		
		\$601	SE Puerto Rico underground bypass

³⁹ Reference more detailed rebuild recommendations throughout this report.

Hazard Mitigations	Total (\$ Millions)	Line Item Rollups (\$ Millions)	Rebuild Recommendations ³⁹
Substations – 38 kV	\$856		
Wind Damage		\$647	Install hurricane-rated fencing; replace or reinforced damaged control buildings; replace bus structures; replace insulators with higher insulation level and Cat 4 strength
Water Damage		\$72	Replace control buildings with a newer modular design; relocated or elevate substations; install water-tight enclosures for control equipment and junction boxes; elevate select equipment and raise air vents; install water barriers and engineered solutions
Command and Control		\$13	Replace damaged SCADA and replace high risk SCADA units; install synchronization and blackstart relays systems
Unreliable Operation		\$124	Replace high risk circuit breakers; repair ground systems; install SPCC containment where needed; install redundant battery systems and backup generators for charging; replace damaged/water impaired transformers; install high side switcher or circuit breakers
Substations – 115 kV and 230 kV	\$812		
Wind Damage		\$203	Install hurricane-rated fencing; replace or reinforced damaged control buildings; replace bus structures; replace insulators with higher insulation level and Cat 4 strength
Water Damage		\$226	Replace control buildings with a newer modular design, relocate or elevate substations; install water-tight enclosures for control equipment and junction boxes; elevate select equipment and raise air vents; install water barriers and engineered solutions
Command and Control		\$79	Replace damaged SCADA and replace high risk SCADA units
Unreliable Operation		\$304	Replace high risk circuit breakers; repair ground systems; install SPCC containment where needed; install redundant battery systems and backup generators for charging; replace damaged and water impaired transformers; install high side switcher or circuit breakers
System Operations	\$482		
System Control		\$167	Install ADMS system; new/upgrade wide area and field area communications; add a mobile, containerized backup Control Center; install hurricane covering for the primary Control Center windows
System Studies		\$55	Post-restoration engineering studies, planning studies, pre-engineering surveys
Customer Communications		\$165	Update customer system and install customer service portals
Spare Equipment		\$29	Purchase and store adequate system spares based on new equipment and expected failures
Security		\$66	Install physical and cybersecurity controls at control centers and critical substations

Hazard Mitigations	Total (\$ Millions)	Line Item Rollups (\$ Millions)	Rebuild Recommendations ³⁹
Distributed Energy Resources	\$1,455		
Microgrids		\$1,007	Microgrid deployment for critical infrastructure and remote communities (DER for Resiliency)
Solar PV		\$315	Solar PV on new residential construction (DER for cost savings)
IECC 2012 Building Code Upgrade		\$133	Bring 25% of new construction or major rebuilds to IECC 2012 building code (DER for cost savings)
Generation	\$3,115		
Test and Inspection		\$2	Work to further define damage at generation facilities
Base Repairs		\$108	Repairs to generation facilities to energize the island
Replacement of Damaged Spares		\$19	Replacement of spares that have likely been damaged by the storm
New Unit Build		\$2,864	Installation of dual fired F-class machine at Palo Seco and an H-class machine at Aguirre
Storm Hardening		\$122	Storm hardening at existing generation facilities
Fuel Infrastructure	\$683		
		\$683	For the build-out of land and/or sea-based LNG pipelines
Total Estimated Costs	\$17,606⁴⁰		

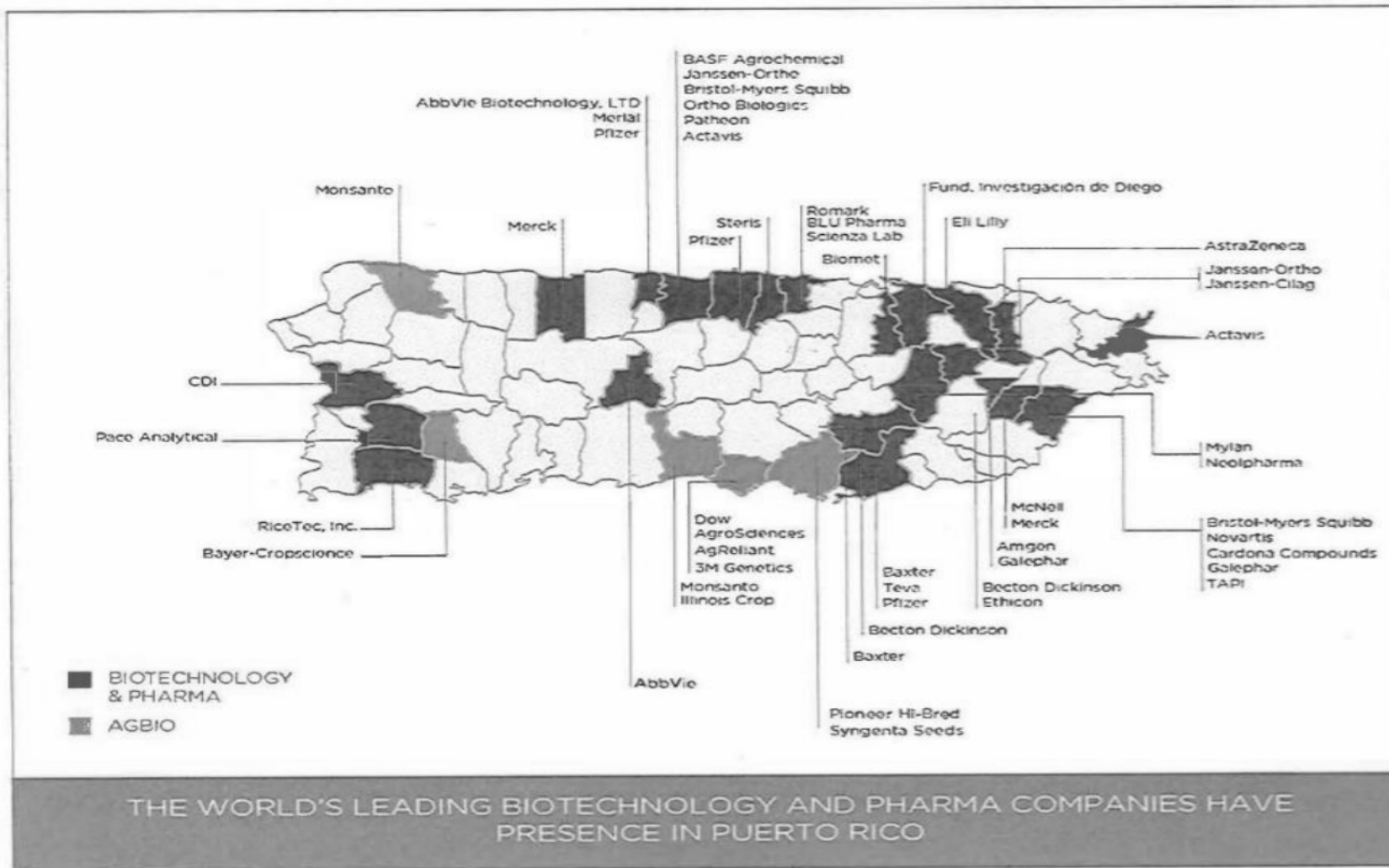
⁴⁰ Each line item estimate includes a 30% scope confidence escalator. Final cost estimates require multiple engineering studies and an updated IRP.

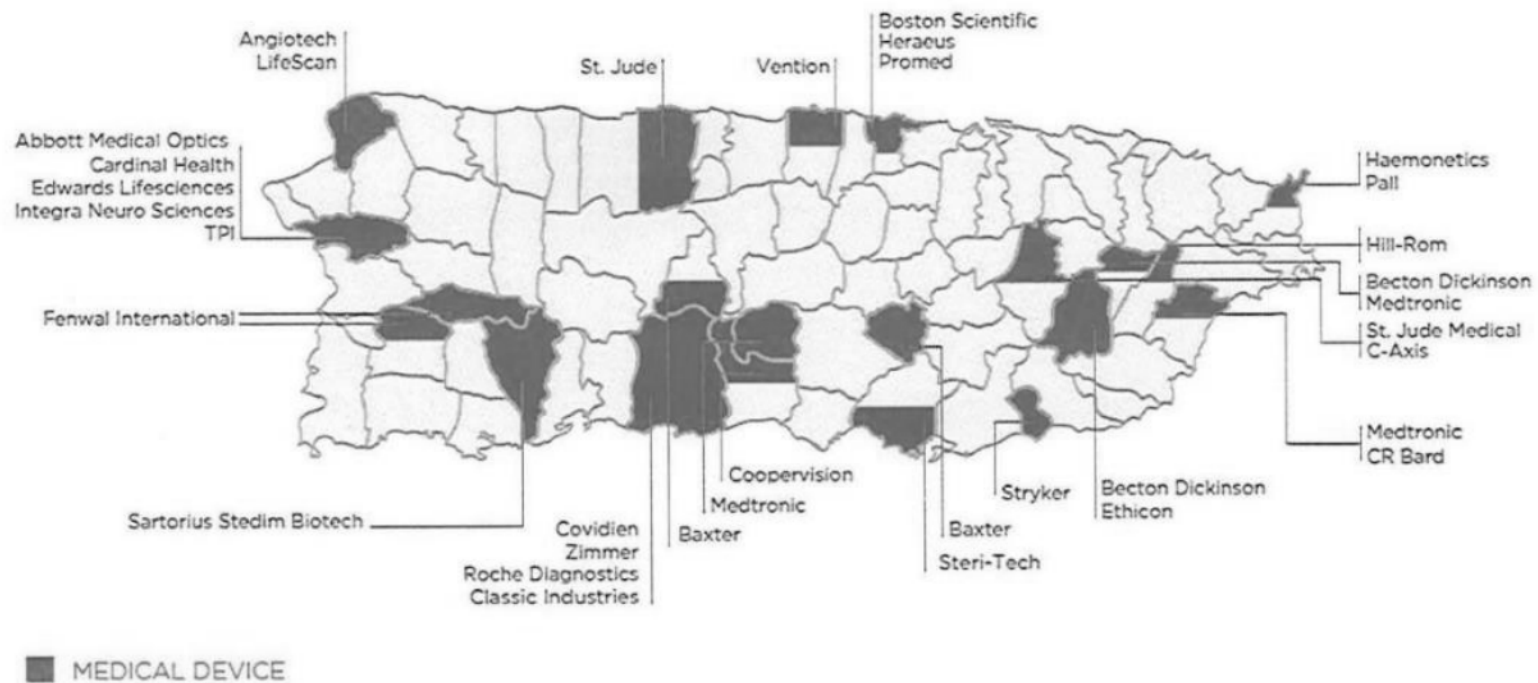
Appendix C. Glossary

Term	Definition
Cable	A conductor with insulation, or a stranded conductor with or without insulation and other coverings (single-conductor cable), or a combination of conductors insulated from one another (multiple-conductor cable).
Capacitor Bank	An array of capacitors connected into a circuit. Capacitors are used to control voltages supplied to the customer by eliminating the voltage drop in the system caused by inductive reactive loads.
Capacity	The maximum output of electricity that a generator can produce under ideal conditions.
Capacity Factor	The amount of energy that the system produces at a particular site as a percentage of the total amount that it would produce if it operated at rated capacity during the entire year.
Circuit	A conductor or system of conductors through which an electric current is intended to flow.
Combined Cycle (CC)	A form of power generation that captures exhaust heat often from a CT (or multiple CTs) to create additional electric power beyond that created by the simple CT and enhance the overall efficiency of the unit by producing more output for the same level of input.
Combustion Turbine (CT)	A form of power generation that forces air into a chamber heated through the combustion of a type of fuel (often diesel or natural gas) which causes the heated air to expand and power the circulation of a turbine that spins an electric generator to produce electricity.
Conductor	A wire or combination of wires not insulated from one another, suitable for carrying electric current.
Disconnect Switches	Disconnect switches or circuit breakers are used to isolate equipment or to redirect current in a substation.
Distributed Energy Resources (DER)	Physical and virtual assets that are deployed across the distribution grid, typically close to load, and usually behind the meter, which can be used individually or in aggregate to provide value to the grid, individual customers, or both.
Distribution Bus	A steel structure array of switches used to route power out of a substation.
Distribution System	A system that originates at a distribution substation and includes the lines, poles, transformers, and other equipment needed to deliver electric power to the customer at the required voltages.
Electric Circuit	Path followed by electrons from a power source (generator or battery) through an external line (including devices that use the electricity) and returning through another line to the source.
Energy Efficiency	Any number of technologies employed to reduce energy consumption. Examples include more efficient lighting, refrigeration, heating, etc.
Feeder	A circuit, such as conductors in conduit or a busway run, which carries a large block of power from the service equipment to a sub-feeder panel or a branch circuit panel or to some point at which the block power is broken into smaller circuits.
Fossil Fuel	A fuel source that is derived from the decomposition of plant and animal matter under the ground. Typically, coal, oil, and natural gas fall under the definition of fossil fuels.
Generation	Refers to the amount of electricity that is produced over a specific period of time.
Integrated Resource Plan (IRP)	The process of projecting future energy demand, and analyzing current and future energy, transmission, and distribution resources to plan to meet such future demand at minimized cost to the system owner/operator and its stakeholder.

Term	Definition
Load Forecast	A forecast of expected future energy demand based on an analysis of underlying economic indicators and past correlation between energy consumption and such economic conditions.
Microgrids	A group of interconnected loads and distributed energy resources within clearly defined electrical boundaries that acts as a single controllable entity with respect to the grid. A microgrid can connect and disconnect from the grid to enable it to operate in both grid-connected or island mode.
Oil Circuit Breakers	Oil circuit breakers are used to switch circuits and equipment in and out of a system in a substation.
Photovoltaics (PV)	Method of converting solar energy into direct current electricity using semiconducting materials that exhibit the photovoltaic effect.
Pothole	A type of insulator with a bell or pot-like shape used to connect underground electrical cables to overhead lines.
Power Generation Plant	A facility designed to produce electric energy from another form of energy such as fossil fuel, hydroelectric, nuclear, solar energy, or wind energy.
Power Purchase Agreement (PPA)	A contract to purchase energy between one party who generates the energy and the second party who purchases it.
Purchased Power	Power purchased from a third party used to meet retail or wholesale electric demand.
Renewable Portfolio Standard (RPS)	An energy policy which specifies the proportion of the energy mix that must come from renewable resources for an electricity provider. Typically, an RPS will require a certain age of renewables be used (on a capacity or energy basis) by a certain year in the future.
Reserve Margin	A measure of available capacity over and above the capacity needed to meet normal peak demand levels.
Substation	A high voltage electric system facility used to switch generators, equipment, and circuits or lines in and out of a system, as well as to change voltages from one level to another or current.
Sub-transmission Lines	Lines that carry voltages reduced from major transmission lines.
Transformer	Converts the generator's low-voltage electricity to higher voltage levels for transmission to the load center.
Transmission Lines	Transmission lines carry voltages from 69 kV up to 765 kV.
Transmission System	Series of towers and wires that transmit high voltage electricity from the generation source or substation to another substation in the electric distribution system.
Virtual Power Plant	A cloud-based distributed power plant that aggregates the capacities of heterogeneous Distributed Energy Resources (DERs) for the purposes of enhancing power generation, as well as trading or selling power on the open market.
Voltage	The effective potential difference between any two conductors or between a conductor and ground.

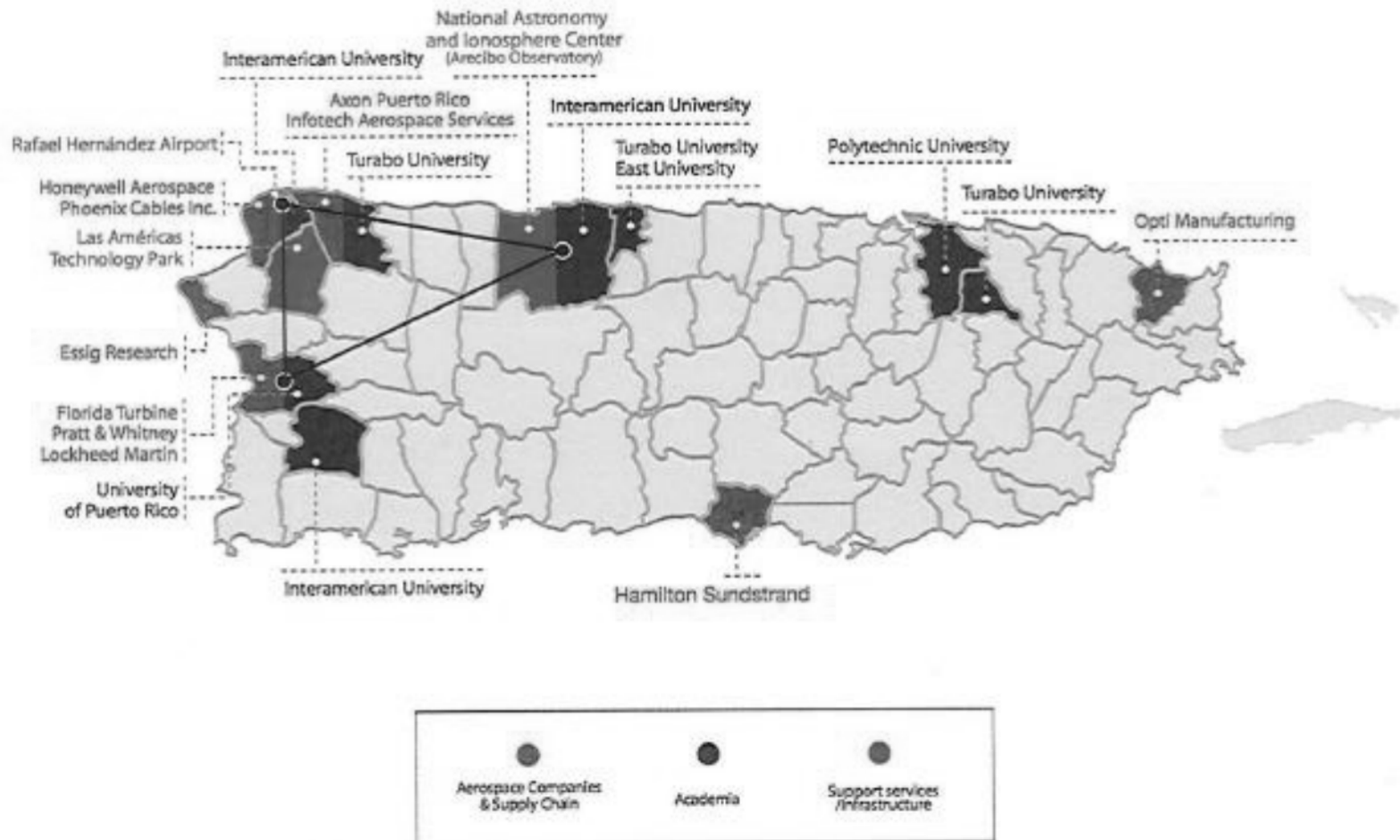
Appendix D. Manufacturing In Puerto Rico



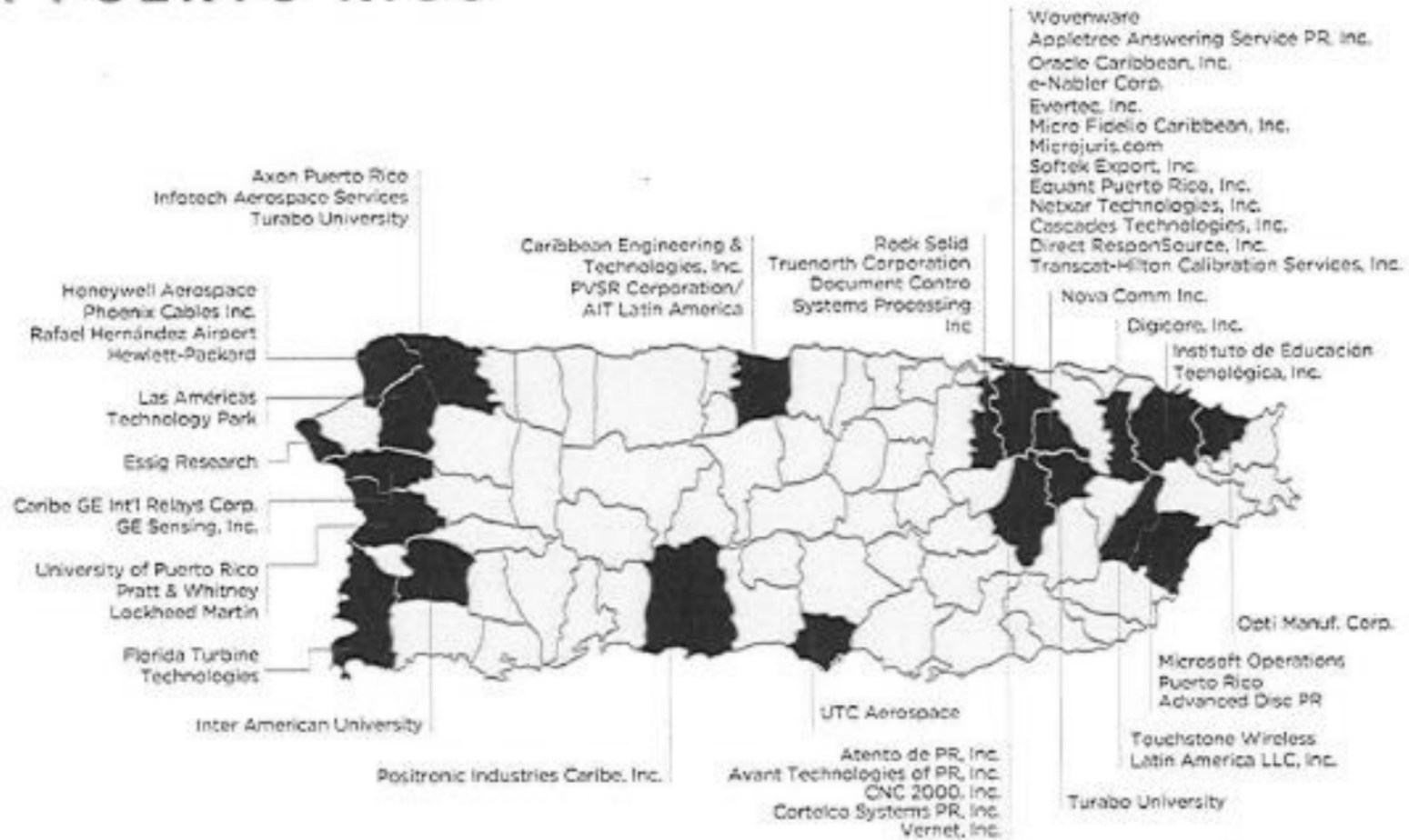


THE WORLD'S LEADING MEDICAL DEVICE COMPANIES
HAVE PRESENCE IN PUERTO RICO.

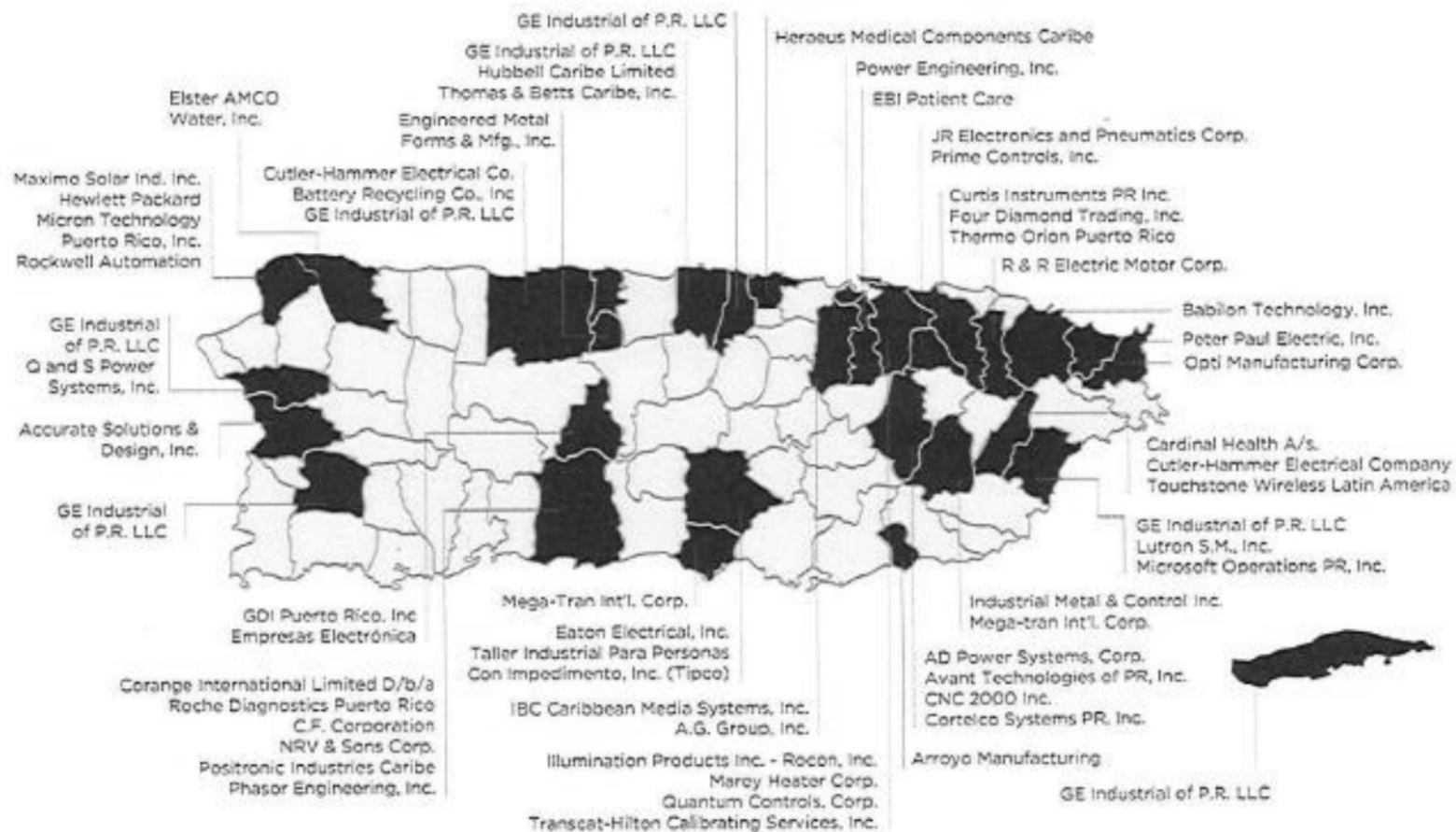
PUERTO RICO'S AEROSPACE ECOSYSTEM



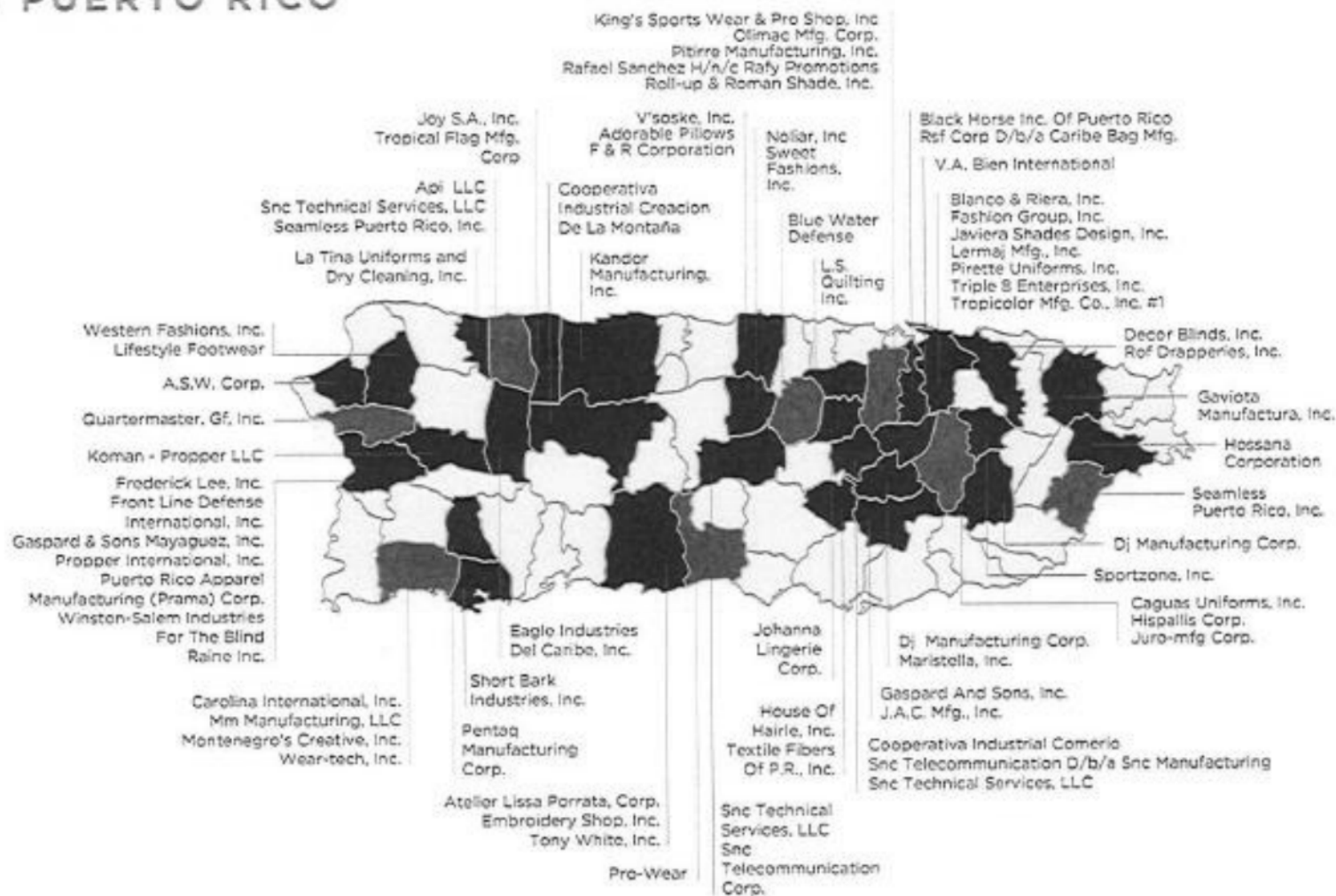
INFORMATION TECHNOLOGY IN PUERTO RICO



ELECTRONIC & ELECTRIC MANUFACTURING IN PUERTO RICO



APPAREL IN PUERTO RICO



REBUILDING PUERTO RICO'S TRANSMISSION & DISTRIBUTION INFRASTRUCTURE

CORE PRINCIPLES: MODERN, EFFICIENT, RELIABLE, RESILIENT, STANDARD, CUSTOMER FOCUSED

OVERVIEW

Puerto Rico's electrical infrastructure was impacted by Hurricane Irma and crippled by Hurricane Maria in September of 2017. One hundred percent (100%) of the commonwealth's residents and businesses at least temporarily lost access to grid power, affecting critical services such as water and wastewater treatment, telecommunications, hospitals, and air and sea ports. The Puerto Rico Electric Power Authority (PREPA), the Federal Emergency Management Agency (FEMA), U.S. Army Corps of Engineers (USACE), and industry partners have been working together for the past **eight months** to conduct emergency repairs to the damage from these storms and restore power to the island. To date, just over **98% of PREPA's clients** have access to electricity. Even before the natural disaster, however, Puerto Rico's transmission and distribution system was outdated and inefficient – a product of a lack of maintenance, standardization, and capital investment.

In the wake of this disaster, we have a significant and unique opportunity to design and build a resilient and efficient grid based on the principles of standardization, modernization, and hardening of the electrical infrastructure. A design based on these principles will enable the utility to produce clean, resilient, and reliable power to residential, commercial, and manufacturing customers. These upgrades are essential regardless of whether the long-term power generation assets are based on diesel, coal, natural gas, wind, solar or other technologies.

Power is uniquely critical to our modern society and enables the functioning of most other critical infrastructure sectors. The design of the power system across the island must be resilient, reliable, and secure to support an economy that endures.

Standardization. Implementing consistent engineering and purchasing practices for materials based on, at a minimum, existing U.S. Department of Agriculture's Rural Utilities Service (RUS) construction standards will lower the cost of components, decrease inventory, increase the responsiveness of commonly trained utility crews, and reduce operating costs.

Modernization. An automated, self-healing grid with the ability to communicate from the generation assets to the end-mile residential meter will reduce system-wide failures, isolating outages to a house, street, or community level as opposed to disrupting power from the substation or at the point of generation. Adopting smart grid technology at the household and business level will enable centralized monitoring of the overall network, reducing the personnel required for field inspections, and assisting in coordinating a timely response to power disruptions and outages. Modernization will also support power quality, which is required by the pharmaceutical and manufacturing industries, for example, which are economic engines for Puerto Rico.

Hardening/Hazard Mitigation. The system design must increase access for utility crews for installation, upgrades, and disaster response, following existing right-of-ways along major highways and outside of areas prone to excess vegetation and flooding. On March 23, 2018, Puerto Rico adopted the new base flood elevation maps that will inform infrastructure planning. Transmission and distribution structures must be engineered to implement modern wind mitigation techniques for withstanding future

hurricanes. Storm hardening includes elevating structures, building a seawall in areas prone to storm surge, and undergrounding where possible. Additional capacity must be built into generation, transmission and distribution assets to decrease power load on the infrastructure and extend the capital life of the equipment. Finally, as mentioned above, the overall system must be designed based on the tenets of redundancy and the least possible interruption in service, tying multiple sections of the smart grid together and placing points of failure as close as possible to the source. We will also consider other threats to the power infrastructure including tsunamis and earthquake.

A critical step in upgrading the Puerto Rico grid is the redesign and reconstruction of the island's 230 kV transmission backbone to withstand future Category 4 hurricanes. This redesign would integrate the core principles of standardization, modernization, and hardening – physically strengthening the commonwealth's grid infrastructure while integrating switching yards to minimize power disruptions and dynamically balance power loads. Many of the features of this upgraded transmission system have already been recommended by the Puerto Rico Energy Resiliency Working Group in their December 2017 report "Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico."

STANDARDIZATION

Puerto Rico's electrical infrastructure has been restored under the Stafford Act using "like kind" materials and engineering designs and code in place at the time of Hurricane Maria. This existing system, which has been built piecemeal over the past several decades, is outdated, inefficient, unmaintained, and lacks uniformity. FEMA, USACE, and industry partners have documented the lack of material availability and tracking as a major impediment in the restoration process. USACE experienced delays in sourcing materials because US-mainland based manufacturers did not stock the inventory necessary to replace many of the damaged components that were outdated or unique to PREPA's system. When trying to source transformers, USACE and industry partners realized the Puerto Rico grid utilized 200 to 300 different types of transformers within the system as opposed to 2 to 4 on the mainland.¹ A lack of uniform parts and designs also inhibited the efficiencies of contractor crews engaged in the repair efforts. In some cases, contractors had to be trained on the spot to use certain equipment or materials.

As part of the reconstruction phase, Puerto Rico's existing grid should be upgraded, at a minimum, using the RUS standards recognized by the USDA. These standards, which govern the engineering and component specification of all voltage ranges of electrical transmission and distribution networks, are used by every rural electric cooperative in North America. The investor owned utilities (IOUs) in the United States utilize similar standards upon which their grids are constructed and linemen are trained.

The benefits of adopting USDA RUS standards are the following:

- **Proven Standard.** Recognized and proven guidelines adopted by rural electric cooperatives.
- **Improves Access to Components.** Access to "plug and play" components across a larger range of manufacturers and suppliers. Because these components are standardized across a large customer base, the technology is more likely to be supported in the future.

¹ Statement from Colonel Donovan Ollar (USACE) at the FOMB Listening Session on February 1, 2018.

- **Decreases Inventory.** Lowers Inventory levels across common configurations and components as a result of a reduction in the variety of components required on the island and better accessibility to in stock items from suppliers.
- **Reduces Operating Costs.** Reduces expense for purchasing materials as well as increases the efficiencies of crews and engineering for both grid reconstruction and future maintenance. Procurement can leverage buying power across a standardized network of equipment. Administrative burden is lessened with a uniform, automated architecture.
- **Better Equips Crews.** Personnel trained on a single system with common replacement and installations. Experienced lineman can work seamlessly between Puerto Rico and the U.S. mainland. Ensures that crews will more often have the parts and tools required to complete their work the first time arrive on location.
- **Enables Automation.** System designed to enable “smart grid” technologies and use of existing software.
- **Faster Emergency Response.** Allows for a quicker, more efficient response for any future disasters based on access to materials, standardized design, and common training of linemen.
- **Expedites Reconstruction.** A uniform, industry accepted engineering architecture streamlines the design process for reconstruction and provides access to materials on shorter lead times.

MODERNIZATION

Puerto Rico has the opportunity to install automation and smart metering technology that will increase the efficiency of power transmission and distribution – limiting the scope of outages and decreasing the cost to customers by reducing power loss² from the point of generation to the end user. A “smart grid” transmission and distribution network can be constructed on a redundant wireless and fiber-optic SCADA backbone capable of being remotely monitored to manage the overall system in real-time, including the detection of failures, balancing of loads, and redirection of power without interruption. Smart systems have already been incorporated by U.S. investor owned utilities (IOUs) and the majority of large rural electric cooperatives. Smaller cooperatives are upgrading their capabilities through annual USDA grant programs for modernization and automation.

The benefits of adopting a smart grid system in Puerto Rico include:

- **Provides Stable, Clean Power.** The installation of system architecture for protection and coordination includes relay switches for monitoring and capacitor and regulator banks for regularizing voltage and frequency. This particularly benefits manufacturing companies sensitive to small undulations in the quality of power delivered to their facilities.
- **Manages Complex System Architecture.** Automated monitoring and coordination permits the balancing of loads from multiple generation sources, including the integration of customer-owned power generation from fossil fuels or renewables. The system architecture maximizes the efficiency of developing several interconnected micro-grids across the island capable of sourcing power from multiple generation assets.
- **Facilitates Centralized Monitoring and Control.** The grid can be managed from a centralized control room or otherwise remotely monitored with the provision of real-time information to

² 17.3% of energy was lost in FY 2016 from technical losses and theft. (Source: PREPA Draft Amended & Restated Fiscal Plan, April 5, 2018, page 18).

engineers and operators on the physical integrity and performance of the system. Utilizing a smart metering system that ties into the overall smart grid enables the grid itself to self-heal or faults to be corrected remotely by operators.

- **Minimizes the Scope of Outages.** Protection relays are positioned for system faults to affect the least amount of customers, whether the outage is localized to a segment of the transmission network or a single residence. The grid can be programmed to self-heal by re-routing power when a particular segment is damaged or shut down for maintenance.
- **Reduces Last-Mile Field and Administrative Cost.** Installation of automated meters at the residential and commercial levels reduces the labor and paperwork associated with monthly meter-reading and manual back-office work since the information is digitized and can be transmitted electronically. Resources can be redirected to auditing or customer service. Less personnel and equipment are also required for field inspections since many component degradation and damage issues are able to be diagnosed remotely.³
- **Increases the Life of T&D Assets.** A more efficient system architecture can reduce the time that equipment is required to operate at the peak of its specifications. Real-time monitoring of irregularities facilitates replacement or repair before greater system damage can occur.
- **Expedites Emergency Response.** The electric grid would be equipped with GIS positioning and component failures can be isolated, eliminating the time that crews spend trying to find and diagnose the reason for a power disruption.

HARDENING

Puerto Rico's electric infrastructure must be hardened to withstand future weather events and promote day-to-day reliability of the grid. The commonwealth has historically generated poor reliability metrics. PREPA customers lose power an average of five times per year for a total of 14.4 hours annually – an outage rate that is five times the national average.⁴ An effective hardening strategy requires a radical new approach to the overall design and components to improve the structural integrity of the system and provide flexibility and responsiveness in re-routing power to customers to minimize disruptions.

Recommended elements for hardening the grid include:

- **Wind-Resistant Designs.** Lessen the structural load factor on transmission towers and distribution poles, including installing monopole over V-shaped transmission guidewires rated for higher wind speeds. Utilize state-of-the-art transmission cable designs that decrease wind resistance.
- **Construct Transmission System along Existing Right-of-Ways.** Re-locate the backbone of the transmission system along the highways to facilitate ease of access for maintenance, repairs, and upgrades. This layout assists crews in keeping lines free from vegetation and other obstructions.

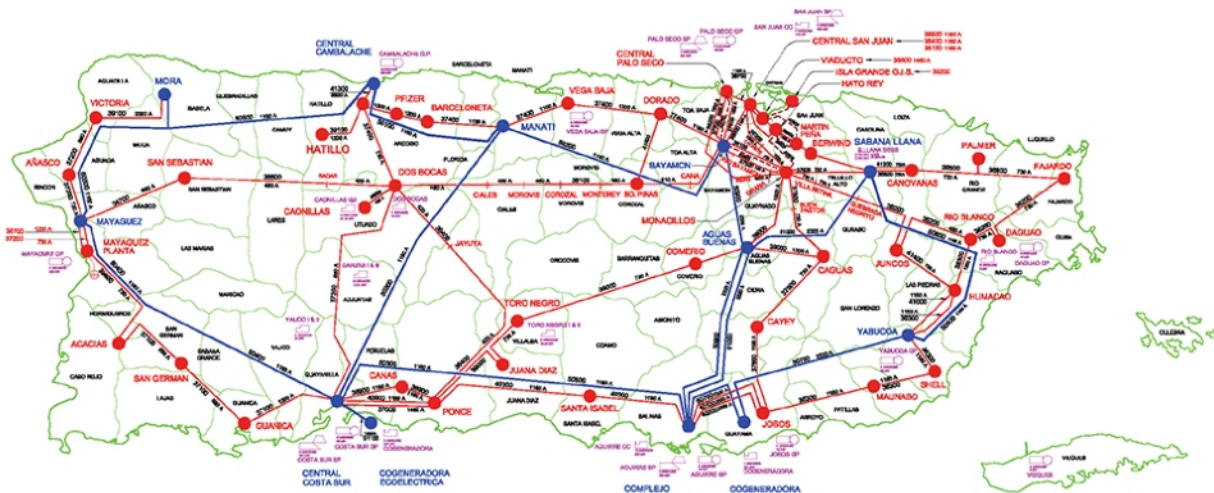
³ PREPA workforce has been reduced by ~2,400 staff from 2012 to 2018 and the utility has a remaining workforce of 6,227 as of December 2017. 86% of the retirements over the past six years have been from operations. (Source: PREPA Draft Amended & Restated Fiscal Plan, April 5, 2018, page 23).

⁴ Data for the last 12 months prior to July 2017. Source: PREPA Draft Amended & Restated Fiscal Plan, April 5, 2018, page 22.

- **Install Underground Technology for Laterals and Feeders.** Bury as much of the infrastructure underground as possible to eliminate the risks from wind and debris and protect the integrity of the components.
- **Re-locate or Elevate Existing Substations to Reduce Flood Risk.** Puerto Rico has 334 substations.⁵ A high percentage are at risk for flooding during an extreme weather event. Substations in the highest risk areas within the new 100 year flood plain mapping should be re-located or elevated. Other substations should incorporate flood barriers.
- **Modernizing Substation Components.** Standardize design, replace oil insulated substations with gas insulated substations, and embed substation gateways for real time communication and data acquisition.
- **Incorporate Smart Grid Engineering and Equipment.** The benefits of this technology are discussed in the “Modernization” section. A new smart grid with a flexible physical backbone would be able to re-route power to customers when a segment of the system is offline and localize outages from faults farther downstream.

RECONSTRUCTION OF TRANSMISSION SYSTEM IN PUERTO RICO

The current transmission system is comprised over 2,416 miles of electrical lines that have been built over the past 50 years.⁶ The primary 230 kV transmission lines (blue) are constructed in a loop around the outside of the island with three high voltage lines running across the mountains tying the south side power generation with the population centers in the north. Lower voltage 115 kV transmission lines (red) further subdivide the island and extend power to cities in the interior and along the coast. The system is currently vulnerable to high force winds, with 85% of the infrastructure not designed to withstand a Category 4 hurricane.⁷ This problem is compounded by the fragility of the interconnectedness of the system and the lack of access in remote areas for maintenance and repairs.



Puerto Rico's grid as of 2010. Puerto Rico Electric Power Authority

⁵ Source: PREPA Draft Amended & Restated Fiscal Plan, April 5, 2018, page 17.

⁶ Source: PREPA Draft Amended & Restated Fiscal Plan, April 5, 2018, page 17.

⁷ Source: “Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico,” citing comments from PREPA, December 2017, p. 17.

In December 2017, the Puerto Rico Energy Resiliency Working Group (ERWG), commissioned by Governors Ricardo Roselló of Puerto Rico and Andrew Cuomo of New York, drafted “Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico.”⁸ This analysis, which was conducted by a consortium of public and private utilities, research institutions, government agencies, and industry consultants, laid out series of recommendations for improving the generation, transmission, and distribution systems on the island. The group’s recommendations for the transmission system focused on improvements to Puerto Rico’s infrastructure to be able to withstand a Category 4 storm capable of wind speeds up to 155 mph. The primary recommendations were the following:

- Relocate the high voltage transmission lines to existing highways
- Abandon of many of the existing lines crossing over the mountains
- Upgrade the 230 kV system to a 345 kV backbone (but initially operating at 230 kV)
- Replace existing with poles designed for a higher wind rating
- Relocate high risk lines on the southeastern portion of the island underground
- Straighten and grout existing poles or replacing them with deeper subgrade and/or engineered foundations
- Improve insulators (particularly in salt contamination areas)⁹

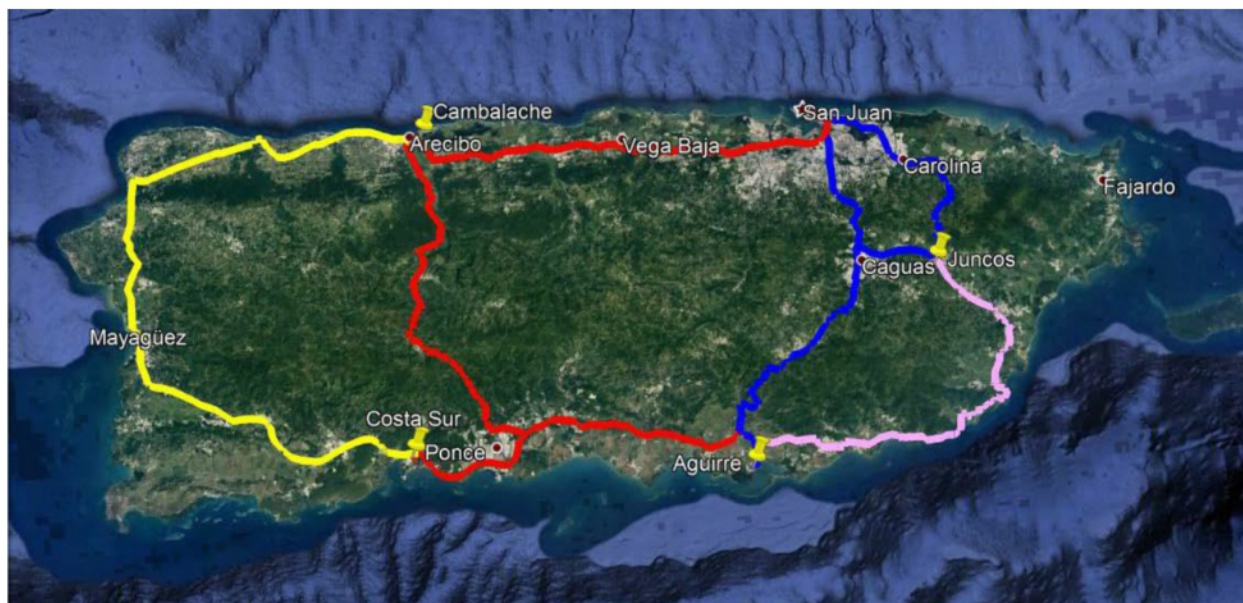
The ERWG recommended new transmission paths for 230 kV lines along the following major roadways, reducing legal right of way issues, conflicts with environmental restrictions, and problems with the overgrowth of foliage:¹⁰

- Mayaguez to Cambalache along Route 2
- Cambalache to San Juan along Route 22
- San Juan to Aguirre along Route 52
- Aguirre to Costa Sur along Routes 52 and 2
- Aguirre to San Juan via Humacao, Juncos and Carolina (various highways)
- Costa Sut to Mayaguez along Route 2
- Caguas to Juncos along Route 30
- Juncos to San Juan via Carolina (various highways)

⁸ Source: “Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico” was submitted by the New York Power Authority, Puerto Rico Power Authority, Puerto Rico Energy Commission, Consolidated Edison Company of New York, Inc. Edison International, Electric Power Research Institute, Long Island Power Authority, Smart Electric Power Alliance, US Department of Energy, Brookhaven National Laboratory, National Renewable Energy Laboratory, Pacific Northwest National Laboratory, Grid Modernization Lab Consortium, and PSEG Long Island, and agent for and on behalf of the Long Island Lighting Company d/b/a LIPA, and Navigant Consulting, Inc.

⁹ Source: “Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico,” December 2017, p. 18-19.

¹⁰ Source: “Build Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico,” December 2017, p.19.



Source: "Built Back Better: Reimagining and Strengthening the Power Grid of Puerto Rico," December 2017, p. 21.

ADDITIONAL NOTES FOR POTENTIAL INTEGRATION

The eastern 115 kV transmission loop running from

- Extend the eastern loop to Fajardo
- Build the segment between Aguirre and Juncos along the eastern portion of the island above ground rather than underground to reduce overall costs (option)
- Construct all primary transmission lines to 230 kV capacity rather than 345 kV

"A new four loop transmission system will give a lot of flexibility without transmission congestion to move power around the island. This will be key in providing reliable and affordable energy to both the population and industrial centers. It will also help attract more industrial production businesses to the island, which will support economic growth and potential investment opportunities." (BBB, p.19)

Construct to 200 mph windload

230 kV loop tied around the island running parallel to the major highway system

Six new switchyards in quadrants of the island separating the major transmission lines

Currently almost every line runs north/south and work has to be done in the mountains

Eliminate ¾ of the transmission activity taking part in the mountains

New relays and switching capacity – resiliency and strength needed to stabilize the island

Never need to do a “black start”

Provide additional switching and relay capacity (protection controls) on top of the already existing infrastructure (will need to modify and repair)

“PREPA-owned generation is primarily located along the northern and southern coasts. The north area of the island has two electric power generating facilities, with two of the largest and most critical generating facilities – Aguirre and Costa Sur – located in the south. These two electric power generation facilities are tied to each other using high voltage overhead transmission lines that run over mountainous terrain. Due to the physical location of these electrical connections, they are subjected to hurricane-force winds and most likely to fail, as experienced during Hurricane Maria. When these major pathways are rendered unusable, the bulk of the electric generation in the south cannot be moved to the north side of the island, where the highest level of electric demand exists.” (BBB, p.9)

“This presents a challenge because the largest portion of the island’s electric energy demand is concentrated in the northeast, in and around the city of San Juan. The high energy demand density is due to the highly concentrated population and the presence of commercial areas, a sea port, the island’s main port, and manufacturing plants. Manufacturing in Puerto Rico, one of the largest contributors to the island’s economy, is primarily pharmaceuticals and medical devices, with many major plants located in the northeast part of the island. This area accounts for approximately 65% of the system’s energy demand.” (BBB, p.9)

“Transmission lines in the center of the island were severely impacted, as high winds were funneled through the changes in terrain and tore down large transmission lattice towers.” (BBB, p.10)

“Resiliency measures do not prevent damage but rather enable the power system to continue operating, and contribute to a more expeditious return to normal operations, even in the presence of widespread damage.” (BBB, p.12)

“Technology plays a key role, as upgraded communications and controls will provide control center personnel with the capability to better visualize and track outages and assess the status of power resources, with options to isolate damaged lines and reroute power to customers via alternative delivery paths.” (BBB, p.13)

“Adding pragmatic solutions include relocating lines next to existing highways and main thoroughfares to provide better access during reconstruction and reducing lifestyle costs and expeditious repairs in case of failure; improving guying hardware to strengthen distribution lines; and using low cost, wire mesh-lined flood barrier enclosures and sump pumps at transmission substations and electric power generation facilities.” (BBB, p.13)

“Per recent assessments addressed in PREPA’s 2015 IRP, the plan was to reinforce the transmission system by improving the 115 kV north to south network by adding and upgrading lines to stabilize the system and better withstand critical contingencies.” (BBB, p.13)

“The proposed 350 miles of new lines should be designed and built to 345 kV standards. A 345 kV design provides greater distance between conductors and enables future planning flexibility, and can initially be operated at 230 kV. Several lines should include double circuit construction on steel monopoles to make the most efficient use of transmission corridors. [2] Many of the existing lines than run over mountains, and are not presently built for Category 4, can be abandoned. Existing 115 kV poles that are otherwise designed for Category 4 located in areas susceptible to leaning or uprooting during high winds, should be considered for reinforcement via concrete grout injection around the base embedment or other means to strengthen and stabilize foundations. [3]

Region II Daily Operations Brief

Friday, June 1, 2018 as of **0930** EDT



FEMA



0930 hrs. LIVE BRIEFING INFORMATION

DIAL IN NUMBER: 800-320-4330, PIN: 595740#

ADOBE CONNECT SESSION:

<https://fema.connectsolutions.com/region2rdob>

Region II Regional Watch Center (R2 RWC): **STEADY STATE**
Regional Response Coordination Center (RRCC): **LEVEL IV STEADY STATE**
Region II Watch Operations 24/7 Toll Free Number 1 (877) 568-9043

Agenda

- Senior Leadership Locations
- Weekly Calendar Highlights
- Current Operational Status
- Contingency RRCS Roster - As of May 30, 2018
- FEMA Region II Disaster Declarations
- Current Situation
- Regional Weather
 - Northeast Forecast
 - New York & New Jersey Forecasts
 - Watches & Warnings
 - Northeast/Mid-Atlantic Significant River Flood Outlook (5 Day)
 - Tropical Weather Outlook
 - Convective Outlook
 - Excessive Rainfall Outlook (Flash Flood Potential)
 - Caribbean Weather Outlook
 - Extended Forecast
 - Drought Conditions
 - Wildfire Outlook
- 90 Day Projection for NSSE or SEAR 1, 2, and 3 Special Events in Region II
- Mass Gatherings in Region II: \geq 10K Participants, 30-Day Projection
- National Terrorism Advisory System & Historical Calendar
- Region II Historical Record of Declarations
- FEMA Region II Staff and Administrative Highlights
- Picture of the Day

Senior Leadership Locations

POSITION	NAME	FRI	SAT	COMMENTS	SUN	MON	TUE	WED	THU
		6/1/18	6/2/18		6/3/18	6/4/18	6/5/18	6/6/18	6/7/18
Regional Administrator	Von Essen, Thomas	RO	Available		Available	RO	RO	RO	RO
Deputy Regional Administrator	Yee, Lai Sun	RO	Available		Available	RO	Alternate Location	Alternate Location	Alternate Location
Chief of Staff	Covell, John	RO	Available		Available	RO	RO	Leave	Leave
External Affairs Director	Caetano, Don	RO	Unavailable		Unavailable	RO	RO	RO	RO
Regional Counsel	Bishop, Sara	RO	Unavailable		Unavailable	Telework	RO	RO	Telework
Federal Coordinating Officer	Bynum, Sadie	Deployed	Deployed		Deployed	Deployed	Deployed	Deployed	Deployed
Caribbean Area Director	DeLaCampa, Alex	CAD	CAD	FEMA-4339-DR-PR	CAD	CAD	CAD	CAD	CAD
Defense Coordinating Officer	Heintzelman, Scott	CAD	CAD		Available	Leave	RO	Alternate Location	Alternate Location
Federal Coordinating Officer	Leary, Seamus	Deployed	Available	FEMA-4348-DR-NY	Available	Leave	Leave	Leave	Leave
Grants Director	McShine, Dale	RO	Available		Available	RO	RO	RO	RO
Mission Support Director	Coleman, Tasha	Telework	Available		Available	RO	RO	Telework	RO
Mitigation Director	Moriarty, Michael	RO	Available	New Orleans, LA Conference	Available	RO	RO	RO	Leave
Deputy Response Director	Neidermeyer, Alan	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed	Deployed
Response Director (Acting)	Wind, Jason	CAD	Available		Available	CAD	CAD	CAD	CAD
Natl Preparedness Director	O'Reilly, Larry	RO	Available	Alt Loc; Fort Dix	Available	RO	RO	RO	RO
Federal Disaster Recovery Coor	Rathje, Kenneth	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed	Deployed
Recovery Director	Smith, Heather	Deployed	Deployed	FEMA-4339-DR-PR	Deployed	Deployed	Deployed	Deployed	Deployed
Federal Coordinating Officer	Vogel, Bill	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed	Deployed
Mitigation Deputy Director	McDonnell, Bill	Telework	Available		Available	RO	RO	NWSE	RO

Weekly Calendar Highlights - Major Events (Thru June 19)

Date(s)	Time	Event	Location	Point of Contact
May 29-June 1	Multi-Day Event	PREMA Hurricane Conference	Puerto Rico	Laura Vydmentaite
May 31-June 1	Multi-Day Event	Annual Joint Interagency Hurricane Terrain Walk & TTX	Puerto Rico	COL Heintzelman
June 4	1:00pm-5:00pm	Mission Support Division Business Process Review	WTC	Laura Vydmentaite
June 4-8	9:00am-4:00pm	Department of Homeland Security/Office of Inspector General Annual Audit	WTC	Laura Vydmentaite
June 11-14	Multi-Day Event	Integrated Emergency Management Course	Puerto Rico	Laura Vydmentaite
June 13	10:00am-12:00pm	NJ Geospatial Forum Presentation	Trenton, NJ	Julia O'Brien
June 14	2:00pm-3:00pm	Caribbean Area RISC GIS Subcommittee Call	Phone	Julia O'Brien
June 19	10:00am - 11:00am	Summary of hurricane research, forecast uncertainty and challenges, and the future of NHC products for 2018 (in Spanish)	Webinar	NOAA

CURRENT OPERATIONAL STATUS

REGION II OPERATIONAL STATUS

REGIONAL RESOURCE	STATUS	LOCATION	COMMENTS
FEMA RII RWC	PARTIALLY MISSION CAPABLE	26 Federal Plaza – NYC	Limited classified capabilities; HVAC not functional- GSA developing plan; limited access to communications systems (FNARS, NAWAS, FAA DEN, STE)
FEMA RII RRCC	STEADY STATE	NWS Earle – Colts Neck, NJ	
Backup Regions	Regions VII, II, VIII	Kansas City, MO; New York, NY; Denver, CO	FEMA HQ designated back-up regions
IMAT A	FULLY MISSION CAPABLE	New York	
IMAT B	FULLY MISSION CAPABLE	New York	
IMAT C	PARTIALLY MISSION CAPABLE	Puerto Rico	Irma/Maria Recovery
NOAA/NWS ROC	LEVEL IV – NORMAL OPERATIONS	Bohemia, NY	
NJ SEOC	STEADY STATE	West Trenton, NJ	
NYS OEM	LEVEL V – STEADY STATE	Albany, NY	
NYC EM	LEVEL IV – STEADY STATE	Brooklyn, NY	
PREMA	LEVEL IV - FULL ACTIVATION	San Juan, PR	Irma/Maria Recovery
VITEMA	LEVEL II - FULL ACTIVATION	St. Thomas/St. Croix/St. John	Irma/Maria Recovery

Deployed

Mission Capable

Partially Mission Capable

Non Mission Capable

Contingency RRCS Roster – As of May 30, 2018

Primary Position	Contingency Team 1		Contingency Team 2		Additional Staffing Support			Liasons					
Chief & Advisory Staff	Last Name	First Name	Last Name	First Name	Chief & Advisory Staff	Last Name	First Name	Liaison Coordinator	O'REILLY	LARRY	MORIARTY	MICHAEL	
Chief of the RRCS	DOSANTOS	JOSE	MCDONNELL	WILLIAM				State Liaison - CONUS	CAMMARATA	CHRISTOPHER	HOOLE	PAUL	
Legal Advisor	BISHOP	SARA	BERNSTEIN	RICHARD	Legal Advisor	KEARNEY	SHARRON	State Liaison - CONUS	FORREST	LAURA	PIWONKA BERNSTEIN	CHRISTINE	
External Affairs Advisor	CAETANO	DON	CESAR	FRITZMARIE				State Liaison - CONUS	GRIFFIN	RICHARD	HEATH	DOUGLAS	
Disability Advisor	FLEMMING	JAMES	MADIGAN	KATHLEEN	Disability Advisor	HUSBAND	DELIA	State Liaison - CONUS	HASEMANN	BRIAN			
Situational Awareness Section (SAS)					Situational Awareness Section (SAS)			State Liaison - CONUS	CULLEN	WILLIAM	DEBONIS	MICHAEL	
SAS Section Chief	LOPEZ	DANNA	MCSHINE	DALE	SAS Section Chief	MARTIN	JAMES	State Liaison - CONUS			SANCHEZ	SANDRA	
Information Unit Leader	MCGOWAN	MICHAEL	DOUGLASS	WILLIAM	Information Unit Leader	ELLISON	VALLON						
Info. Collection Specialist	VALE	MIRIAM	HAAS	SHAUNA	Information Collection Specialist	JANTZ	HOLLY						
Info Analysis Specialist	HORWEDEL	LEROY	OLINGER	LARA	Information Analysis Specialist	DESON	BORIS						
Documentation Unit Leader	SKOWRONSKI	JESSICA			Information Analysis Specialist	SHWEKY	ALLAN						
Documentation Unit Specialist	PSOTA	NATHAN											
GIS Unit Leader	O'BRIEN	JULIA	SHEPARD	ABROM									
GIS Specialist	SHUMON	BRIAN	WEBB	CHRISTIAN									
Planning Support Section (PSS)					Planning Support Section (PSS)								
PSS Section Chief	CAPPS	EDWARD	LUHRS	MARIANNE	PSS Section Chief	KERINS	DEVIN						
Current Planning Unit Leader	GREGORY	THERESA	BENOIT	EDWARD									
Future Planning Unit Leader	MONITZ	GARY	MENDEZ JR	THOMAS	Future Planning Unit Leader	CHAVES	FERNANDA						
Resource Support Section (RSS)					Resource Support Section (RSS)								
RSS Section Chief	FLYNN	TERRENCE	TRANIER	ROBERT	RSS Section Chief	ALONSO	JOHN						
Resource Tracker	HAYES	VALERIE	BUSSEY	MATTHEW									
Resource Tracker	HOGAN III	GEORGE	ADAMS	MATTHEW									
Emergency Services Group Supervisor	DETEMPLE	WARREN	FORTINO	DAVID									
IA Group Supervisor	GOLBEY	SETH	RODRIGUEZ	MARIA									
Mass Care Unit Leader	COSTA	DEBORAH											
VAL Unit Leader	ROSS	LORI	GRISHAM	KIMBERLY									
Infrastructure Assets Group Supervisor	JOSEPH	THEOPHILUS	THOMAS	REGINALD									
Operational Support Group Supervisor	PARR	LAURA	HERBERT	JOHN	Operational Support Group Supervisor	LOFTUS	KEITH						
Order Processing Group Supervisor	MCGRATH	PETER	STURMAN	MICHELE	Order Processing Group Supervisor	WAGNER	MICHAEL						
Comptroller	PREISSER	BERNHARD	MOHAMMAD	LALITA									
Contracting, Acq. Ordering Unit Leader	STRICKLAND	TIFFANY	AVILES	MERLYS	Ordering Specialist	GRIFFITH	IKEBA						
Ordering Specialist	MACK	GENNARA	SINGH	JACQUELINE									
Personnel (Deployment Unit)	SUTLEY	JACQUELINE											
MA Unit Leader	EDWARDS	SHARON	RODRIGUEZ	GENEROSA									
MA Specialist	SNYDER	MARYLU	VALLE	GINNY									
MA Specialist	ODUTOLA	YEMI	TOUSSAINT	DAPHNY	Center & Staff Support								
Center & Staff Support													
Section Chief	CARLIN	ROBERT	CAGGIANO	CRAIG	CSS Chief	WUJCIAK	ROBERT						
Facility Unit Leader	ANTONELLI	NICHOLAS	WILSON	JEFFERY	IT Unit Leader	MOY	SZU						
IT Unit Leader	FRANK	BLAINE	EDWARDS	MARCIA	IT Unit Leader	LAI	RAYMOND						
IT Specialist	FORINO	CARL	SCOTTI	JOSEPH									
IT Specialist	PADGETT	ROGER	PALKOWSHI	CHARLES									

FEMA Region II Disaster Declarations

Event	Address	FCO Contact Info	
Puerto Rico: Hurricane Maria FEMA-4339-DR-PR FEMA-3391-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
Puerto Rico: Hurricane Irma FEMA-4336-DR-PR FEMA-3384-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
USVI: Hurricane Maria FEMA-4340-DR-USVI FEMA-3390-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
USVI: Hurricane Irma FEMA-4335-DR-USVI FEMA-3383-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
New York: Flooding FEMA-4348-DR-NY	Joint Field Office Leo W. O'Brien Federal Building 11A Clinton Avenue, Room 600 Albany, NY 12206-5421 USNG: 18T XN 02265 22734	Seamus K. Leary	518-396-3839

*USVI Area Field Office Location:

7280 Frenchman's Bay, St. Thomas, USVI, 00802

Updates in [Blue](#)

Current Situation: *(Updates in Blue)*

New York:

- **State of Emergency** for Dutchess, Orange, and Putnam counties declared on 5/15/2018 remains in effect due to storm related damage
- **State of Emergency** for Franklin County declared on 5/3/2018 remains in effect for Harrietstown due to rising water levels on the Saranac River

New Jersey:

- Nothing Significant to Report

Puerto Rico & USVI:

- **Hurricane Irma & Maria Response & Recovery:**
 - FEMA Region II personnel, Regional Incident Management Assistance Teams (IMATs), USVI Territorial Emergency Management Agency (VITEMA), Puerto Rico Emergency Management Agency (PREMA), Department of Defense, government agencies, partners, and stakeholders are coordinating response & recovery operations
 - Puerto Rico: FCO Michael Byrne
 - USVI: FCO Bill Vogel in St. Croix

Northeast Forecast

Friday:

40% chance of showers and thunderstorms. Areas of dense fog before 10am. Otherwise, mostly cloudy, with a high near 79. Calm wind becoming southeast around 5 mph in the afternoon.

Friday Night:

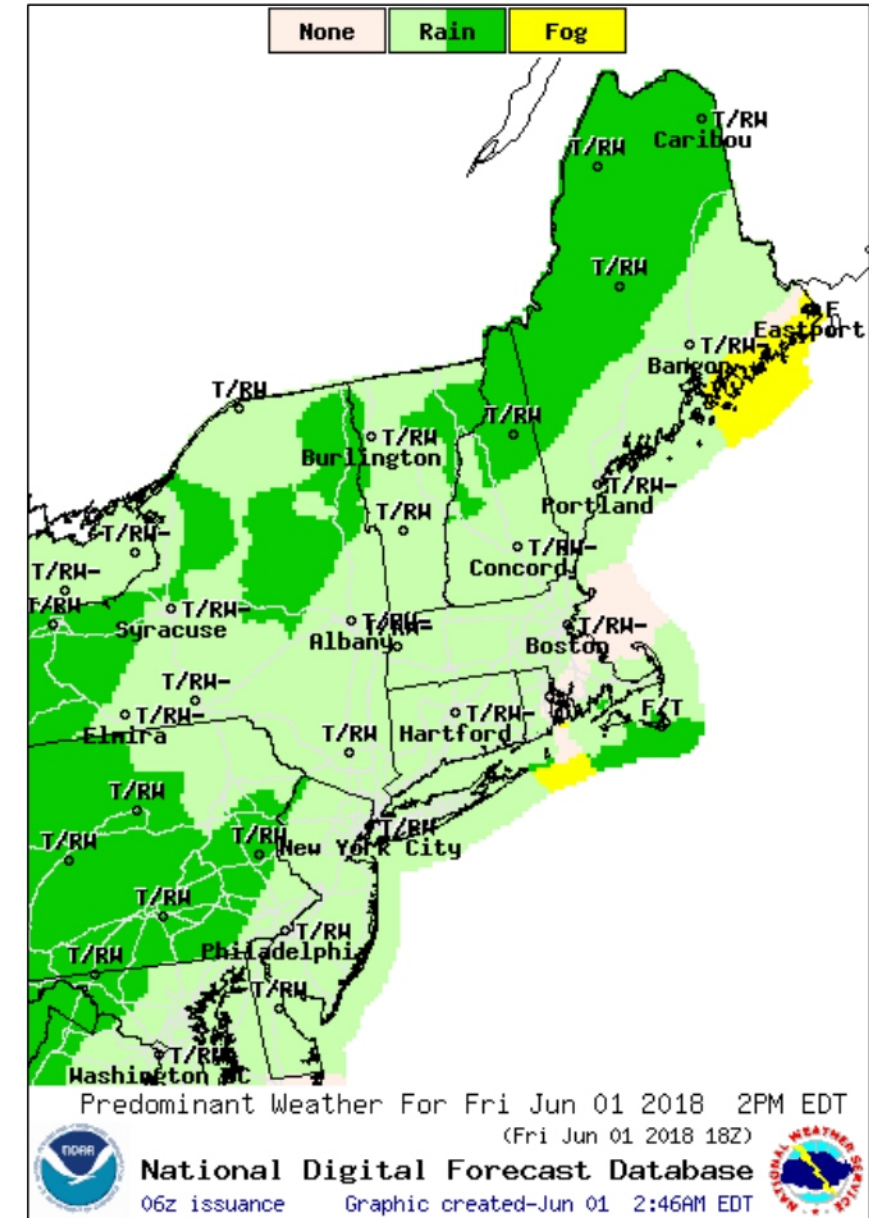
30% chance of showers and thunderstorms. Areas of fog. Otherwise, mostly cloudy, with a low around 68. South wind around 6 mph becoming calm in the evening.

Saturday:

A chance of showers and thunderstorms, then showers likely after 10am. Patchy fog before 10am. Otherwise, cloudy, with a high near 80. North wind 6 to 9 mph. Chance of precipitation is 60%. New precipitation amounts between a tenth and quarter of an inch, except higher amounts possible in thunderstorms.

Saturday Night:

40% chance of showers before 2am. Mostly cloudy, with a low around 62. East wind around 8 mph.



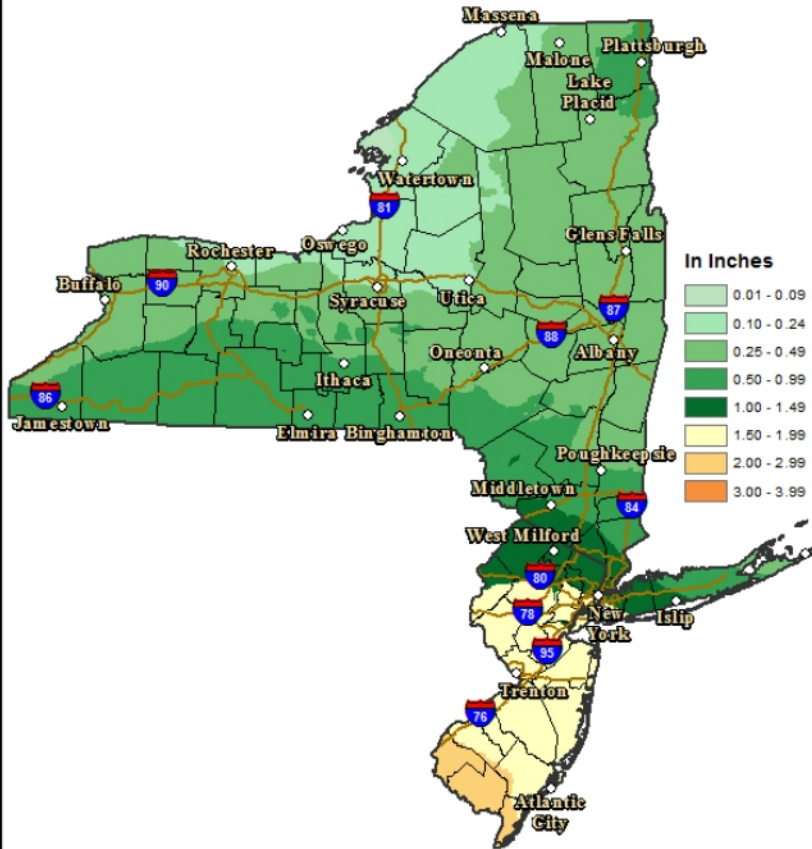
Source:

<http://forecast.weather.gov/MapClick.php?CityName=New+York&state=NY&site=OKX&textField1=40.7198&textField2=-73.993>

<https://graphical.weather.gov/sectors/northeast.php>

New York & New Jersey Forecast through June 3rd, 2018

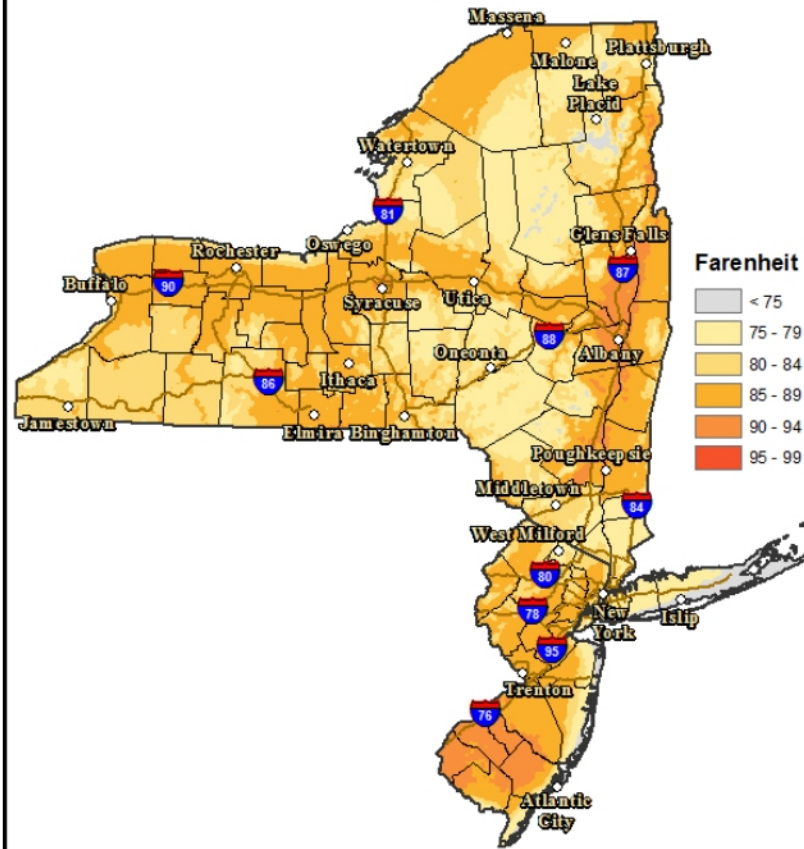
Total Precipitation Forecast
FEMA Region 2



Valid Through June 03, 2018 8:00 PM ET
Created: 6/1/2018 2 AM ET



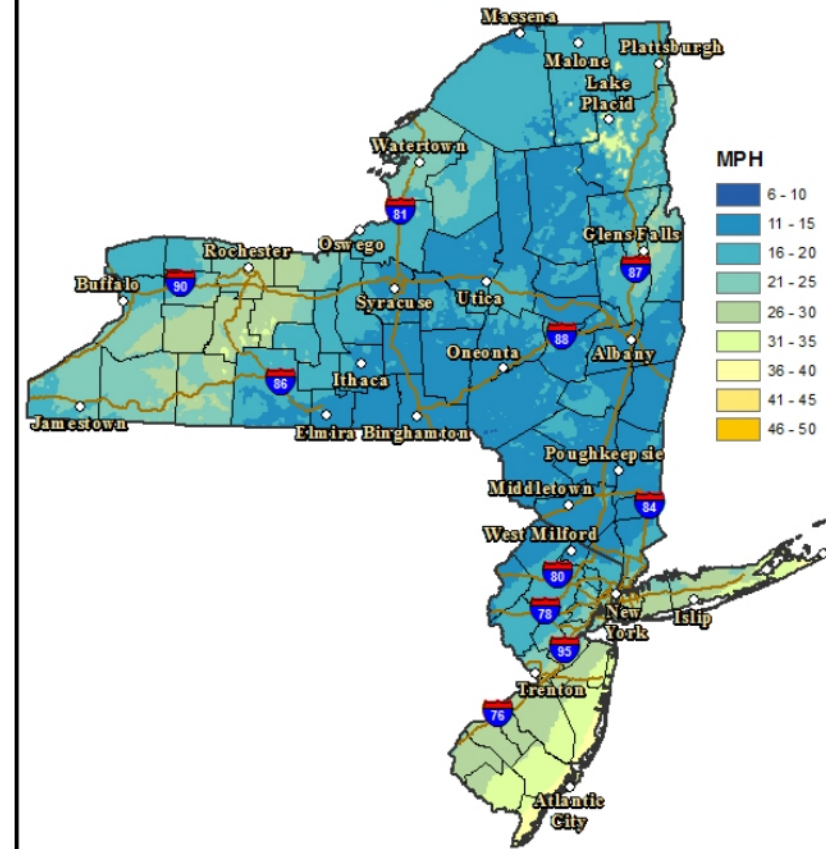
Heat Index
FEMA Region 2



Valid Through: June 02, 2018 02:00 AM ET
Created: 6/1/2018 2 AM ET



Maximum Wind Gust
FEMA Region 2



Valid Through June 03, 2018 8:00 PM ET
Created: 6/1/2018 3 AM ET

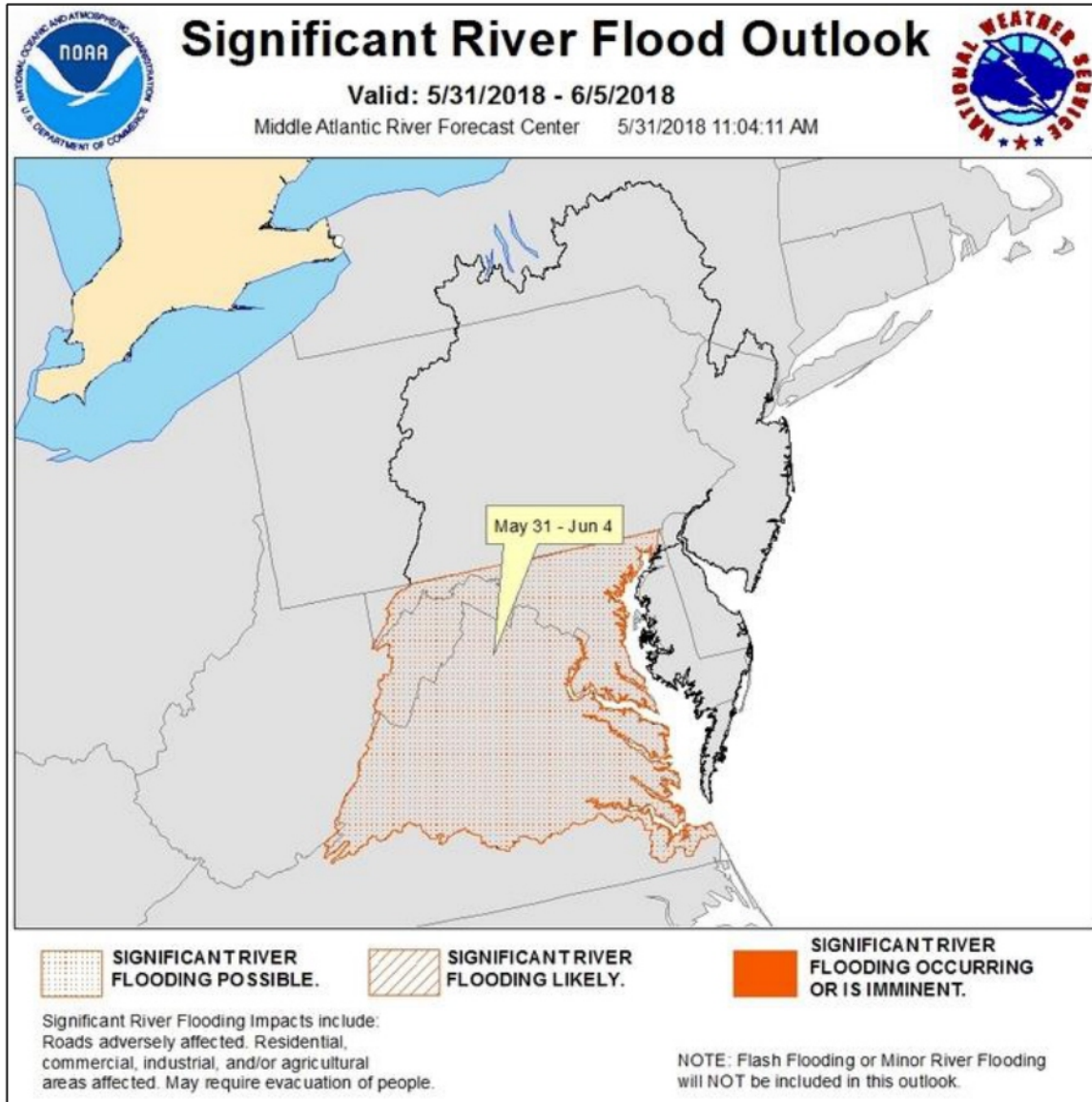


Watches & Warnings

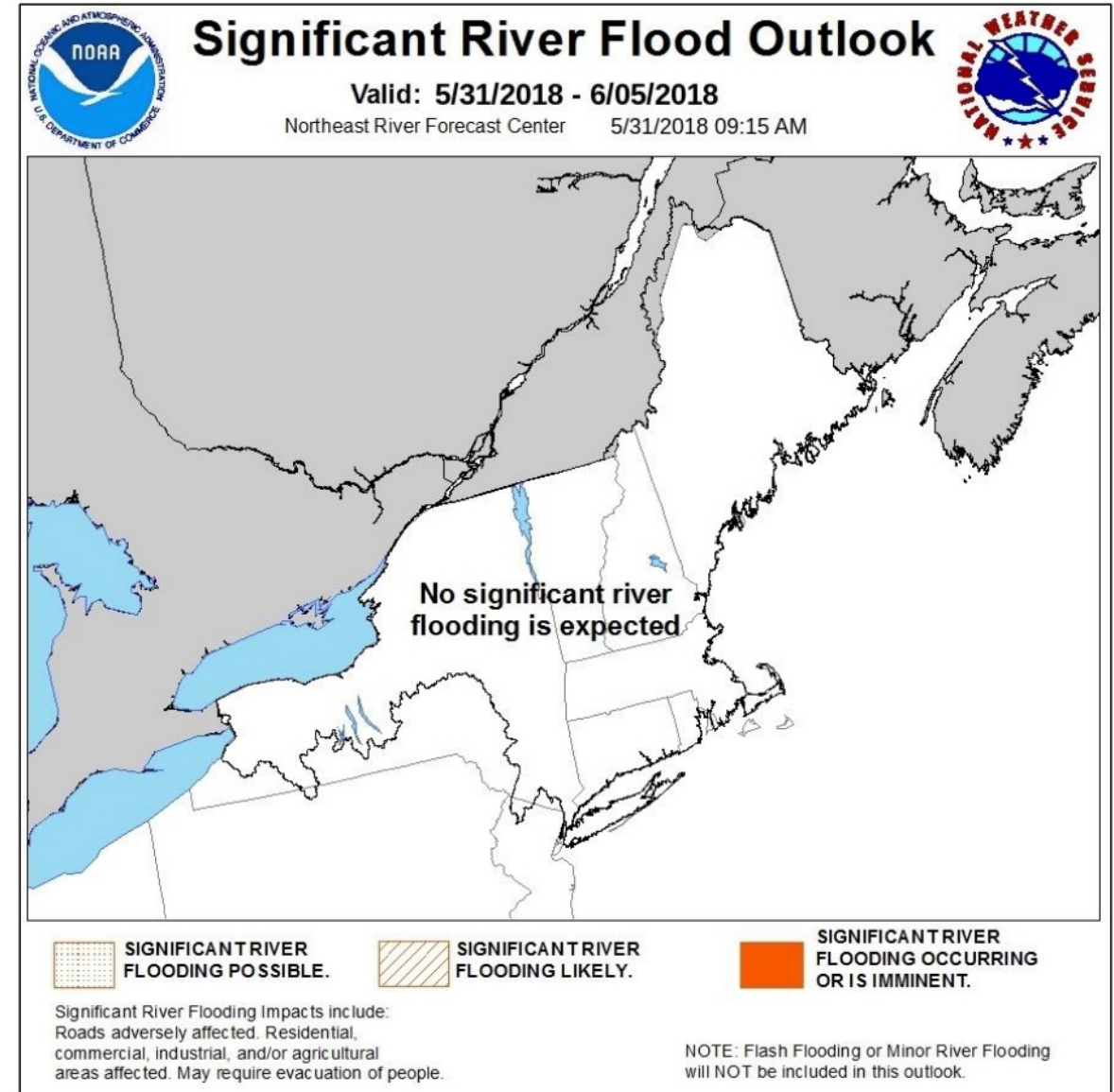
New York / New Jersey: No Watches or Warnings in effect.

Puerto Rico / USVI: No Watches or Warnings in effect.

Northeast River Forecast (5 Day)



Source: Mid Atlantic River Forecast Center:
http://www.weather.gov/marfc/Flood_Outlook



Source: Northeast River Forecast Center:
<http://www.weather.gov/nerfc/fop>

Tropical Weather: Two and Five Day Outlook

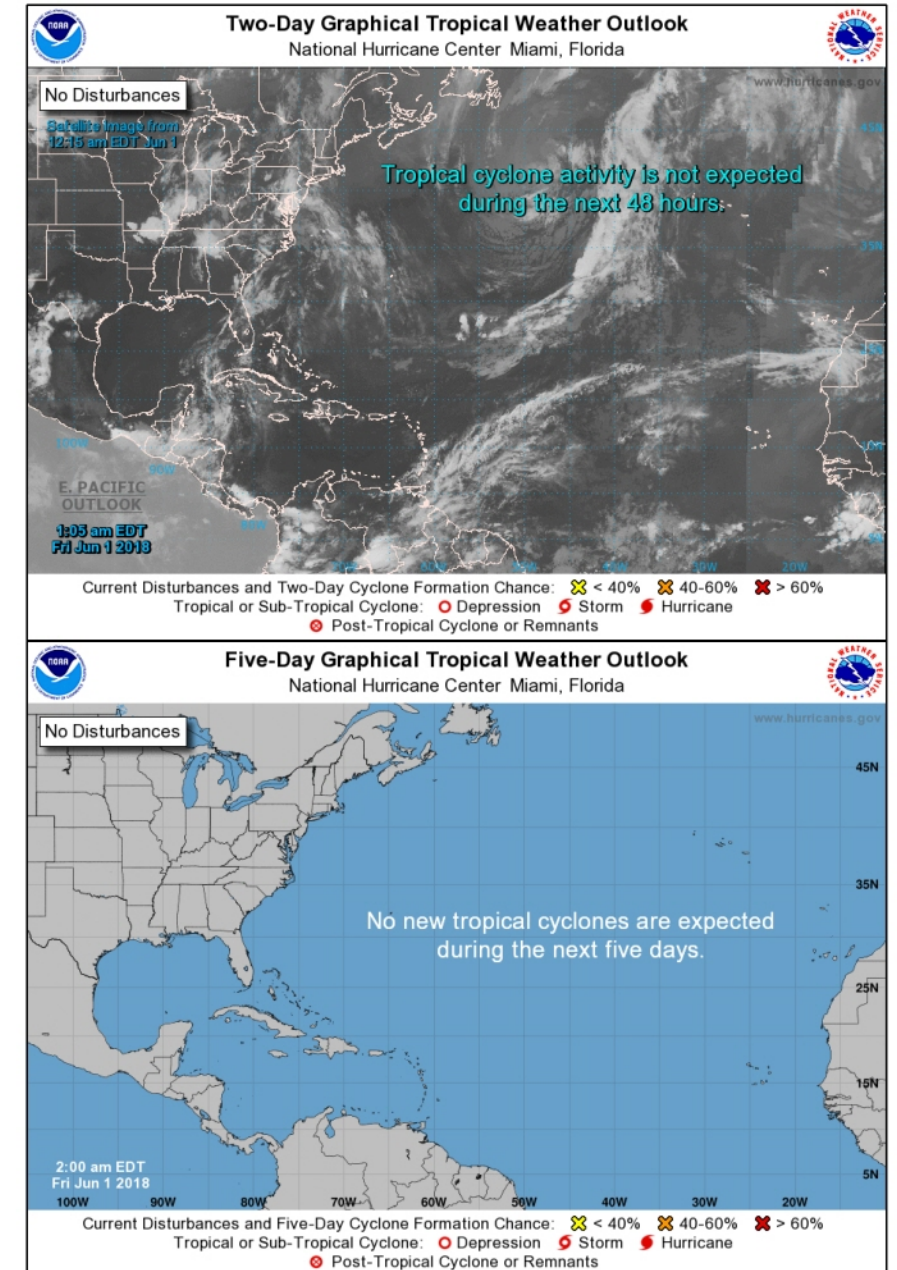
No new tropical cyclones are expected to form over the next five days.

Today marks the first day of the Atlantic hurricane season, which will run until November 30.

Long-term averages for the number of named storms, hurricanes (category 1-2), and major hurricanes (category 3-5) are 12, 6, and 3, respectively.

The list of names for 2018 is as follows:

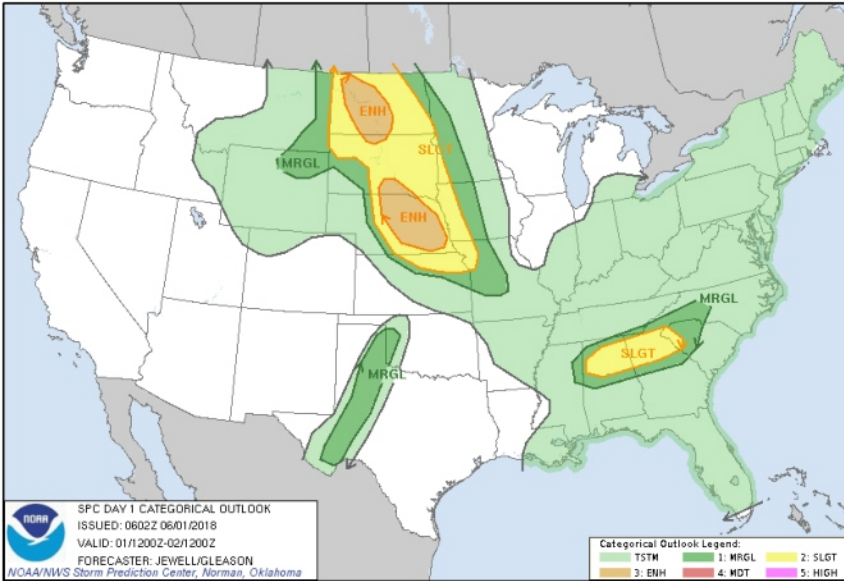
Name	Pronunciation	Name	Pronunciation
Alberto	al BAIR toe	Leslie	LEHZ-lee
Beryl	BEHR-ril	Michael	MY-kuhl
Chris	kris	Nadine	nay-DEEN
Debby	DEH-bee	Oscar	AHS-kur
Ernesto	er-NES-toh	Patty	PAT-ee
Florence	FLOOR-ence	Rafael	rah-fah-ELL
Gordon	GOR-duhn	Sara	SAIR-uh
Helene	heh-LEEN	Tony	TOH-nee
Isaac	EYE-zik	Valerie	VAH-lur-ee
Joyce	joyss	William	WILL-yum
Kirk	kurk		



Convective Outlook

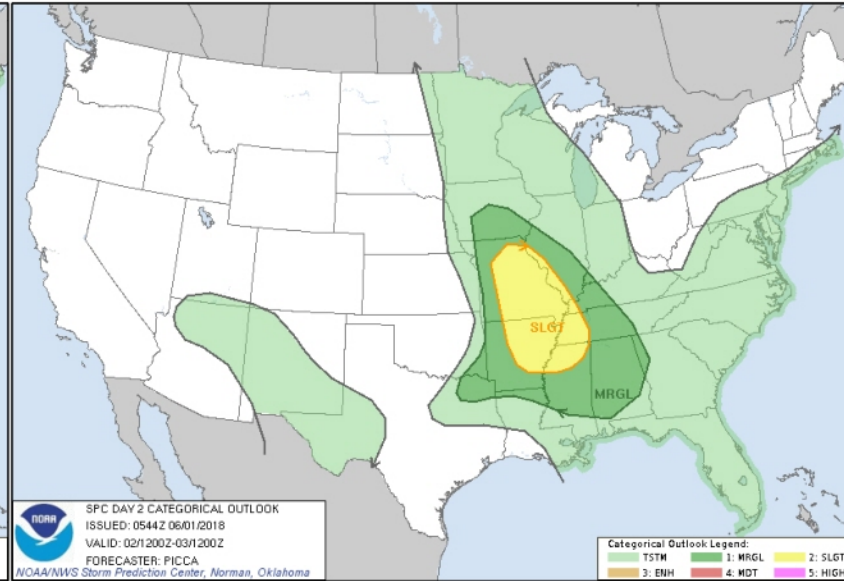
June 1, Day 1

NY/NJ: No severe thunderstorms expected



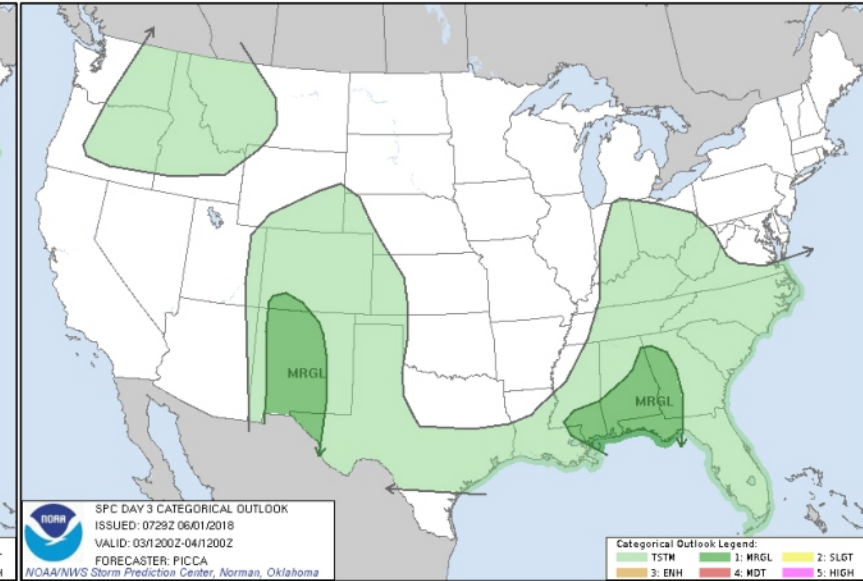
June 2, Day 2

NY/NJ: No severe thunderstorms expected



June 3, Day 3

NY/NJ: No severe thunderstorms expected



Understanding Severe Thunderstorm Risk Categories

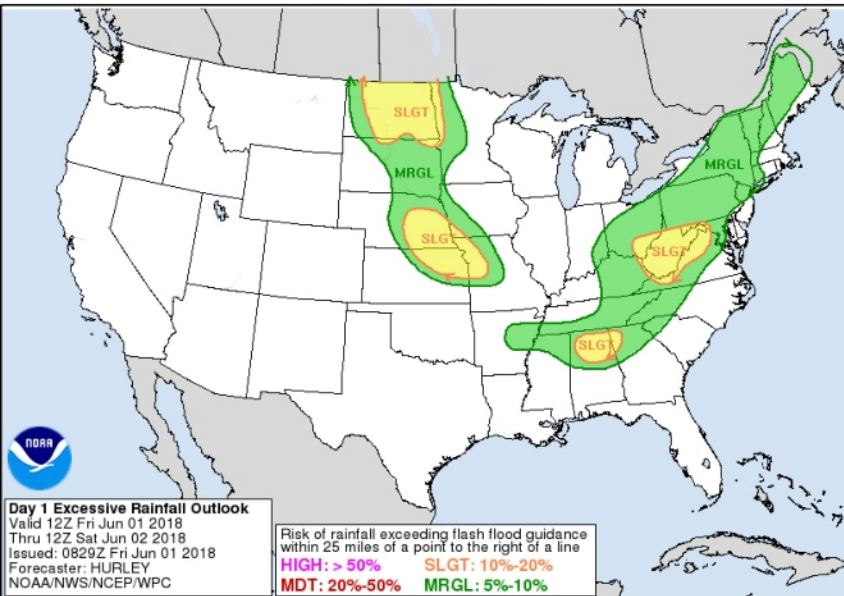
THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.

Excessive Rainfall Outlook (Flash Flood Potential)

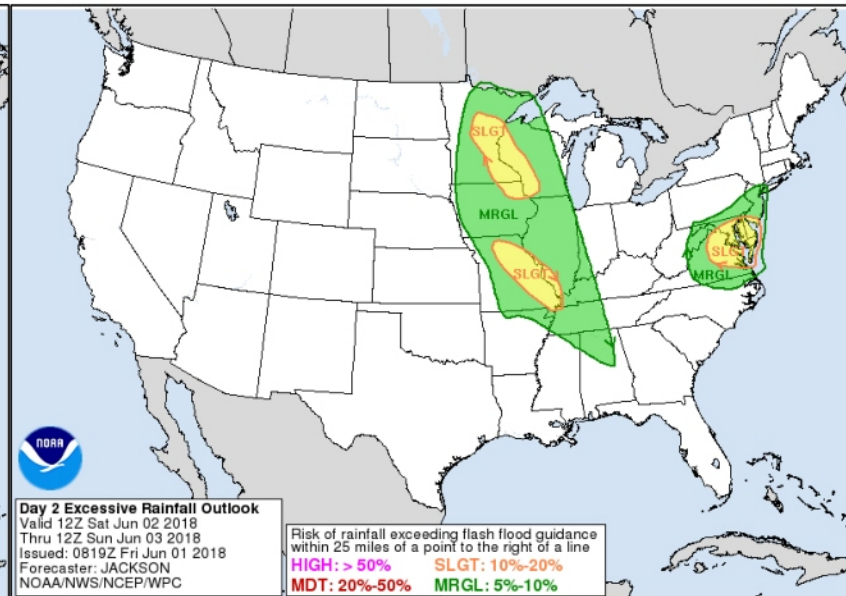
June 1, Day 1

NY/NJ: Marginal risk for flash flooding over most of NY and northern NJ



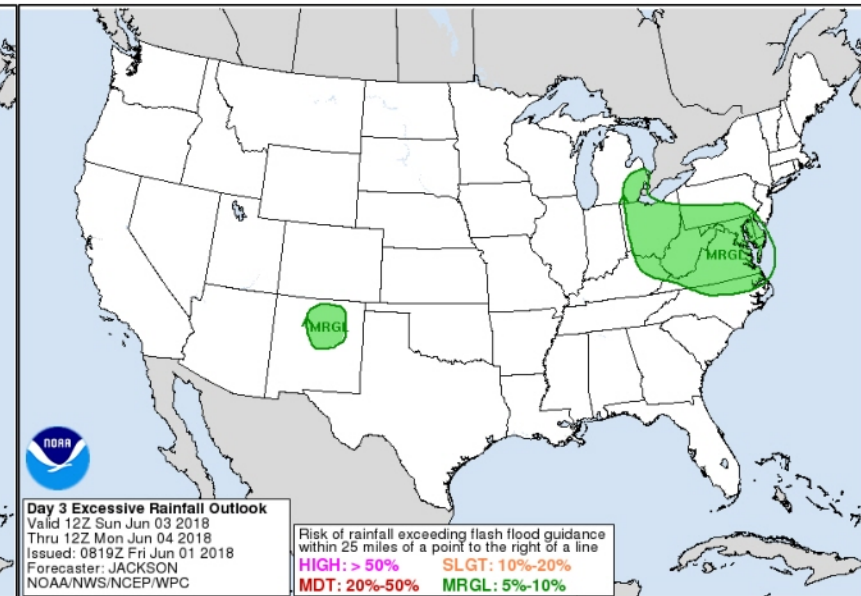
June 2, Day 2

NY/NJ: Slight risk for flash flooding over southern NJ;
Marginal risk over most of NJ and NYC metropolitan area



June 3, Day 3

NY/NJ: Marginal risk for flash flooding over southwestern NJ



Legend

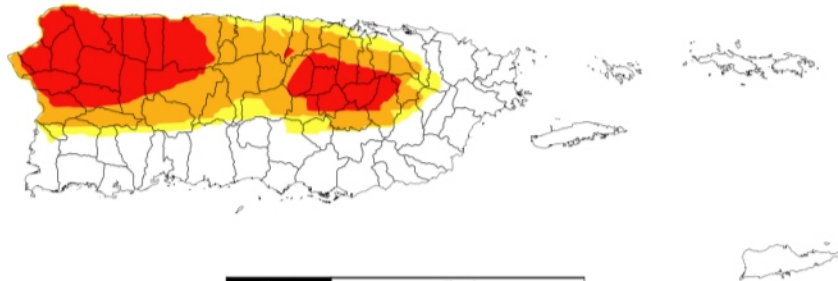
<u>Risk Category</u>	<u>Probability of Rainfall Exceeding Flash Flood Guidance at a Point</u>
Marginal (MRGL)	5-10%
Slight (SLGT)	10-20%
Moderate (MDT)	20-50%
High (HIGH)	>50%

Caribbean Area Hazardous Weather Outlook



Flood Threat
Valid from 6 AM AST Jun 01, 2018 to 6 PM AST Jun 01, 2018

Rip Currents Threat
Valid from 6 AM AST Jun 01, 2018 to 6 PM AST Jun 01, 2018



Threat	Flood
SLIGHT	Ponding of water in roads and poorly drained areas.
MODERATE	Urban and small stream flooding.
HIGH	Widespread flooding possible, having major impact on structures & road closures.



Threat	Rip Current
SLIGHT	The risk for rip currents is low. Rip currents often occur in the vicinity of reefs and piers.
MODERATE	Life threatening rip currents are possible in the surf zone.
HIGH	Life threatening rip currents are likely in the surf zone.



National Weather Service
San Juan, PR
06/01/2018 03:57 AST

Follow Us:   
weather.gov/sju



National Weather Service
San Juan, PR
06/01/2018 04:00 AST

Follow Us:   
weather.gov/sju

Heavy rain could lead to urban and small stream flooding today. Soils across western PR are already saturated and heavy rain could result in sudden mudslides.

Extended Forecast

New York City:



San Juan, Puerto Rico:



Sources:

NYC - <http://forecast.weather.gov/MapClick.php?CityName=New+York&state=NY&site=OKX&textField1=40.7198&textField2=-73.993>

San Juan - <http://forecast.weather.gov/MapClick.php?lat=18.4663&lon=-66.1057>

US Drought Monitor

New York/New Jersey:

- No drought conditions present

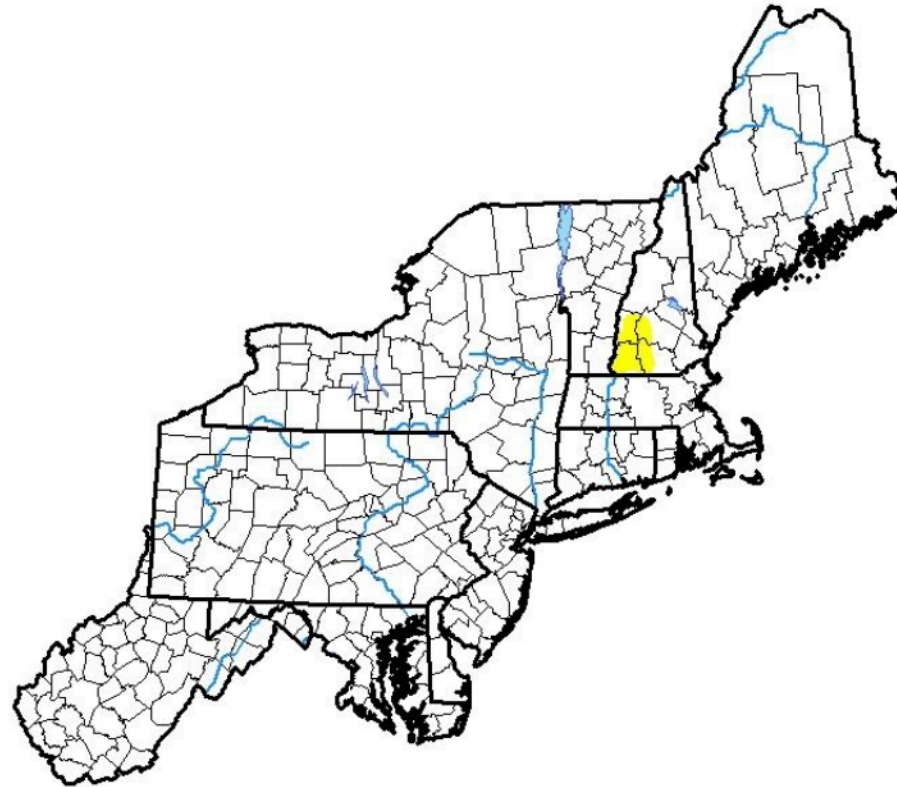
Puerto Rico/USVI:

- No drought conditions present

U.S. Drought Monitor Northeast

May 29, 2018
(Released Thursday, May. 31, 2018)
Valid 8 a.m. EDT

U.S. Drought Monitor Puerto Rico



Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Anthony Artusa
NOAA/NWS/NCEP/CPC



<http://droughtmonitor.unl.edu/>

Source: Released 31 May 2018; US Drought Monitor

Northeast: <http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?Northeast>

PR: <http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?PR>

Wild Fire Outlook

ACTIVE WILDFIRES

New York / New Jersey:

- No reported active wild fires

Puerto Rico / USVI:

- No reported active wild fires

Current Large Incidents May 31, 2018



Source <https://fsapps.nwcg.gov/afm/>

SIGNIFICANT FIRE POTENTIAL

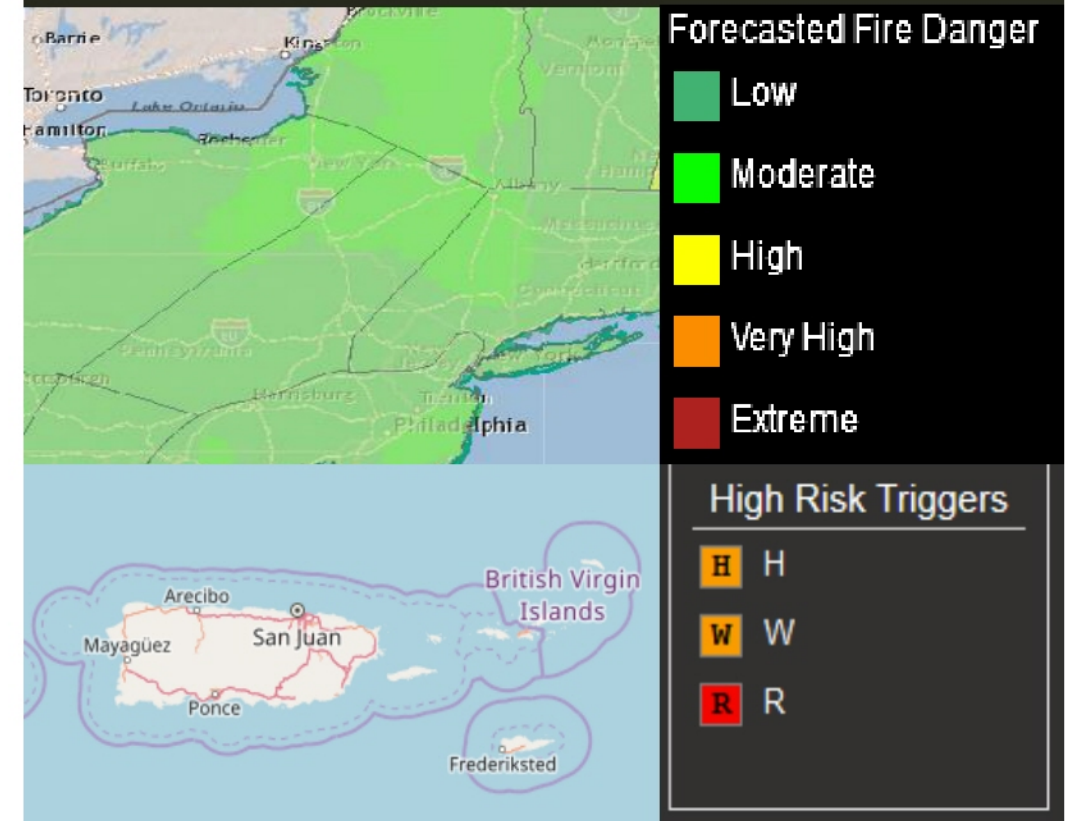
New York / New Jersey:

- Little or no fire risk for the next 24 hours

Puerto Rico / USVI:

- Little or no fire risk for the next 24 hours

SIGNIFICANT FIRE POTENTIAL



https://psgeodata.fs.fed.us/Dynamic_Map/index.html

90 Day Projection for NSSE or SEAR 1, 2, and 3 Special Events in Region II

EVENT	LEVEL	LOCATION	STATE	CROWD SIZE	START	END
NY Yankees Home Games	3	Bronx	NY	50K	4/2/2018	9/23/2018
NYC Football Club Home Games	3	Bronx	NY	30K	3/11/2018	10/28/2018
SmorgasBurg – East River State Park	3	Brooklyn	NY	20K	5/12/18	10/13/18
2018 Governors Ball Music Festival	3	Queens	NY	120K	6/1/2018	6/3/2018
NYC Pride Week	3	NYC	NY	2 Million	6/14/18	6/24/18
NYC 4 th of July	2	New York	NY	300K	7/4/18	7/4/18
Haddonfield Crafts & Fine Arts Festival	3	Haddonfield	NJ	100K	7/7/18	7/8/18

National Special Security Event (NSSE) – Established by Presidential Policy
Special Event Assessment Rating (SEAR) – Established/governed by DHS Policy

UNCLASSIFIED//For Official Use Only

Mass Gatherings in Region II: ≥10K Participants, 30-Day Projection

Event	City/County	State	Start Date	End Date
NJ Greek Fest (The Westfield Greek Festival)	Union	NJ	5/31/2018	6/3/2018
Governors Ball Music Festival – Randall's Island Park, NY.	Queens	NY	6/1/2018	6/3/2018
Essex County College Commencement	Essex	NJ	6/1/2018	6/1/2018
Big Greek Festival	Morris	NJ	6/1/2018	6/3/2018
Secaucus Hometown Street Fair	Hudson	NJ	6/1/2018	6/3/2018
Michael Arnone's Crawfish Fest	Sussex	NJ	6/1/2018	6/3/2018
Luke Bryan	Bergen	NJ	6/2/2018	6/2/2018
Moorestown Day	Burlington	NJ	6/2/2018	6/2/2018
Monroe Township Music Festival	Gloucester	NJ	6/2/2018	6/2/2018
Hungarian Festival	Middlesex	NJ	6/2/2018	6/2/2018
Ocean Grove Giant Spring Flea Market	Monmouth	NJ	6/2/2018	6/2/2018
Slayer, Lamb of God, Anthrax. Behemoth & Testament	Monmouth	NJ	6/2/2018	6/2/2018
Summerfest in the Park	Ocean	NJ	6/2/2018	6/2/2018
NJ Greek Fest (The Westfield Greek Festival)	Union	NJ	5/31/2018	6/3/2018
Essex County College Commencement	Essex	NJ	6/1/2018	6/1/2018
Big Greek Festival	Morris	NJ	6/1/2018	6/3/2018
Hasbrouck Heights Street Fair	Bergen	NJ	6/3/2018	6/3/2018
Fort Lee Arts & Music Fest	Bergen	NJ	6/3/2018	6/3/2018
Celebrate Israel Parade	Manhattan	NY	6/3/2018	6/3/2018
Philippines Independence Day Parade	Manhattan	NY	6/3/2018	6/3/2018
NJ's Lgbti Pride Celebration	Monmouth	NJ	6/3/2018	6/3/2018
Denville Rotary Street Festival	Morris	NJ	6/3/2018	6/3/2018
Pequannock Street Festival	Morris	NJ	6/3/2018	6/3/2018
Somerville Street Fair & Craft Show	Somerset	NJ	6/3/2018	6/3/2018
5k Race and Walk	Union	NJ	6/3/2018	6/3/2018

National Terrorism Advisory System

National Terrorism Advisory System

Type	Subject	Advisory Summary	Issued / Expires	TYPES OF ADVISORIES
Bulletin	Terrorism Threat	<ul style="list-style-type: none"> We continue to face one of the most challenging threat environments since 9/11, as foreign terrorist organizations exploit the Internet to inspire, enable, or direct individuals already here in the homeland to commit terrorist acts. Homegrown terror suspects increasingly rely on technology, such as end-to-end encrypted social media applications, to avoid detection. Terrorist groups are urging recruits to adopt easy-to-use tools to target public places and events. Specific attack tactics have included the use of vehicle ramming, small arms, straight-edged blades or knives, homemade explosives, and poisons or toxins. Some terrorist groups overseas are using battlefield experiences to pursue new technologies & tactics, such as unmanned aerial systems & chemical agents that could be used outside the conflict zones. Terrorists continue to target commercial aviation and air cargo, including with concealed explosives. Violent extremist media encourages individuals worldwide to launch attacks using all means possible. Continued U.S. and partner successes in disrupting and defeating terrorists on the battlefield may encourage homegrown terrorists to carry out acts of violence in the homeland instead of attempting to travel overseas to fight or in retaliation for apparent losses. Additionally, foreign terrorist fighters who have acquired training and battle-tested terrorism experience may flee from terrorist-controlled territories with a desire to conduct attacks elsewhere, including the US. 	Issued: 5/9/18 Expires: 9/14/18	Bulletin: Describes current developments or general trends regarding threats of terrorism. Elevated Alert: Warns of credible terrorism threat against US. Imminent Alert: Warns of credible, specific & impending terrorism threat against US.

National Counterterrorism Center Historical Calendar

Date	Location	Event
01 JUN 1996	New York	Several individuals arrested in New York planning to kill Republican officials; seized weapons included radioactive materials
03 JUN 2007	NYC	Authorities disrupt plot to blow up jet fuel supply tanks and pipelines at JFK International Airport in NY
12 JUN 2016	Orlando, FL	Pulse Nightclub Shooting, Orlando Florida. Omar Mateen, a 29-year-old security guard, killed 49 people and wounded 53.
22 JUN 1993	Tiburon, CA	Unabomber T. Kaczynski bomb injures scientist from University of California
24 JUN 1993	New Haven, CT	Unabomber T. Kaczynski bomb injures professor at Yale University
24 JUN 1993	NYC	Sheikh Omar Abdel Rahman and others arrested for role in World Trade Center bombing, thwarting plans to bomb United Nation Headquarters, the Lincoln Tunnel, the Holland Tunnel, the George Washington Bridge, and FBI offices in New York City

Source: [NCTC Counterterrorism Calendar and Open Source](#)

Region II Historical Record of Declarations: June

State	Date	Description	Number
New York	June 22 nd 1972	Tropical Storm Agnes	DR-338
	June 28 th 1976	Flash Flooding	DR-512
	June 15 th 1998	New York Severe Thunderstorms and Tornadoes	DR-1222
	June 9 th 2011	New York Severe Storms, Flooding, Tornadoes, and Straight-line Winds	DR-1993

State	Date	Description	Number
New Jersey	June 17 th 1968	New Jersey Heavy Rains, Flooding	DR-245
	June 1 st 2002	New Jersey Double Trouble Fire	FM-2411

State	Date	Description	Number
USVI	June 7 th 1964	Virgin Islands Extreme Drought Condition	DR-171
	June 13 th 1977	Virgin Islands Drought (EM-3042)	EM-3042

State	Date	Description	Number
Puerto Rico	June 23 rd 2010	Extreme Drought Conditions	DR-1919



FEMA Region II Staff and Administrative Highlights

- **Employee Community Board**

Please see the Region II Employee Community Board for useful information.

<https://intranet.fema.net/org/regions/region2/collab/Pages/ECB.aspx>

- **2018 Federal Employee Viewpoint Survey**

Permanently employed, non-political, non-seasonal, full/part-time employees on board as of October 2017, will receive an email from EVHS@opm.gov. The email subject line will read: **2018 Federal Employee Viewpoint Survey**. Also, employees from this group who complete the 2018 FEVS will be invited to participate in an OPM pilot survey entitled: "Inspire the Future, Modernize the FEVS."

- The 2018 FEVS starts on Thursday, May 10 and will end Thursday, June 21, 2018, at 11:59 p.m. ET. [FEMA's previous FEVS results can be viewed online.](#)

NOAA's 2018 Hurricane Season Awareness Webinars

- **Summary of hurricane research, forecast uncertainty and challenges, and the future of NHC products for 2018 (in Spanish) - *June 19, 2018 10 – 11 AM EDT***

Mr. Roberto Garcia - NOAA National Weather Service, San Juan, RP; Ms. Shirley Murillo - NOAA AOML Hurricane Research Division

#fbf Picture of the Day – Friday



New York, N.Y., Oct. 27, 2015—The Intrepid Air, Sea and Space Museum at Pier 86 was flooded by waters from the Hudson River when Hurricane Sandy hit three years ago. The flooding damaged the visitor's center, electrical systems and the space shuttle pavilion. Funding from FEMA's Public Assistance and Mitigation programs helped to restore this cultural and historic site. FEMA/K.C. Wilsey

Submit pictures to: gina.callaghan@fema.dhs.gov. Subject: "Photo of the Day" (include caption info)

Daily Operations Brief was prepared by the FEMA Region II Regional Watch Center



FEMA



REGION 2



NJ



NY



PR



VI

WEATHER THE STORM
DOWNLOAD THE FEMA APP



Get tips to survive natural disasters, customize your emergency checklist, and save meeting locations



Receive alerts from the National Weather Service



Locate open shelters and Disaster Recovery Centers, and apply for assistance



Upload and share your disaster photos



Stay connected on social media and the FEMA blog



Please contact the R2 RWC with any questions or comments: fema-r2-watchofficer@fema.dhs.gov

FEMA Region II External Affairs POC: fema-r2-externalaffairs@fema.dhs.gov

Region II Watch Operations 24/7 Toll Free Number 1 (877) 568-9043

Region II Daily Operations Brief

Thursday, June 7, 2018 as of **0930** EDT



FEMA



0930 hrs. LIVE BRIEFING INFORMATION

DIAL IN NUMBER: 800-320-4330, PIN: 595740#

ADOBE CONNECT SESSION:

<https://fema.connectsolutions.com/region2rdob>

Region II Regional Watch Center (R2 RWC): **STEADY STATE**
Regional Response Coordination Center (RRCC): **LEVEL IV STEADY STATE**
Region II Watch Operations 24/7 Toll Free Number 1 (877) 568-9043

Agenda

- Senior Leadership Locations
- Weekly Calendar Highlights
- Current Operational Status
- Contingency RRCS Roster - As of June 6th 2018
- FEMA Region II Disaster Declarations
- Current Situation
- Regional Weather
 - Northeast Forecast
 - New York & New Jersey Forecasts
 - Watches & Warnings
 - Northeast/Mid-Atlantic Significant River Flood Outlook (5 Day)
 - Tropical Weather Outlook
 - Convective Outlook
 - Caribbean Weather Outlook
 - Extended Forecast
 - Drought Conditions
 - Wildfire Outlook
- 90 Day Projection for NSSE or SEAR 1, 2, and 3 Special Events in Region II
- Mass Gatherings in Region II: $\geq 10K$ Participants, 30-Day Projection
- National Terrorism Advisory System & Historical Calendar
- Region II Historical Record of Declarations
- FEMA Region II Staff and Administrative Highlights
- Picture of the Day

Senior Leadership Locations

POSITION	NAME	THU	FRI	SAT	COMMENTS	SUN	MON	TUE	WED
		6/7/18	6/8/18	6/9/18		6/10/18	6/11/18	6/12/18	6/13/18
Regional Administrator	Von Essen, Thomas	RO	RO	Available		Available	CAD	CAD	CAD
Deputy Regional Administrator	Yee, Lai Sun	Alternate Location	Alternate Location	Available	6/5-6/6: DC; 6/7-6/8: MWEOC	Available	RO	RO	RO
Chief of Staff	Covell, John	Leave	Leave	Unavailable		Unavailable	Leave	Leave	RO
External Affairs Director	Caetano, Don	RO	RO	Unavailable		Unavailable	RO	RO	RO
Regional Counsel	Bishop, Sara	Telework	RO	Available		Available	Deployed	Deployed	Deployed
Federal Coordinating Officer	Bynum, Sadie	Deployed	Deployed	Deployed		Deployed	Deployed	Deployed	Deployed
Caribbean Area Director	DeLaCampa, Alex	CAD	CAD	CAD		Unavailable	RO	RO	RO
Defense Coordinating Officer	Heintzelman, Scott	Alternate Location	Alternate Location	Available	Albany, NY	CAD	CAD	CAD	CAD
Federal Coordinating Officer	Leary, Seamus	Leave	Leave	Unavailable		Unavailable	Leave	Leave	Leave
Grants Director	McShine, Dale	RO	RO	Unavailable		Unavailable	Leave	Leave	RO
Mission Support Director	Coleman, Tasha	RO	Telework	Available		Available	RO	RO	Telework
Mitigation Director	Moriarty, Michael	Leave	Leave	Unavailable		Unavailable	RO	Alternate Location	RO
Deputy Response Director	Neidermeyer, Alan	Deployed	Deployed	Deployed		Deployed	Deployed	Deployed	Deployed
Response Director (Acting)	Wind, Jason	CAD	CAD	Available					
Natl Preparedness Director	O'Reilly, Larry	RO	RO	Available		Available	RO	RO	RO
Federal Disaster Recovery Coor	Rathje, Kenneth	Deployed	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed
Recovery Director	Smith, Heather	Deployed	Deployed	Deployed	FEMA-4339-DR-PR	Deployed	Deployed	Deployed	Deployed
Federal Coordinating Officer	Vogel, Bill	Deployed	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed
Mitigation Deputy Director	McDonnell, Bill	RO	Telework	Available		Available	RO	RO	NWSE

Weekly Calendar Highlights - Major Events (Thru June 14)

Date(s)	Time	Event	Location	Point of Contact
June 4-8	9:00am-4:00pm	Department of Homeland Security/Office of Inspector General Annual Audit	WTC	Laura Vydmentaite
June 8	2:00pm – 6:00pm	Naval Weapons Station Earle -75th Anniversary Event	Colts Neck, NJ	ORA / DCE
June 10	10:30am-2:00pm	Family Ready Day	Staten Island, NY	NPD
June 11-14	Multi-Day Event	Integrated Emergency Management Course	Puerto Rico	Laura Vydmentaite
June 13	10:00am-12:00pm	NJ Geospatial Forum Presentation	Trenton, NJ	Julia O'Brien
June 14	2:00pm-3:00pm	Caribbean Area RISC GIS Subcommittee Call	Phone	Julia O'Brien

CURRENT OPERATIONAL STATUS

REGION II OPERATIONAL STATUS

REGIONAL RESOURCE	STATUS	LOCATION	COMMENTS
FEMA RII RWC	PARTIALLY MISSION CAPABLE	26 Federal Plaza – NYC	Limited classified capabilities; HVAC not functional- GSA developing plan; limited access to communications systems (FNARS, NAWAS, FAA DEN, STE)
FEMA RII RRCC	STEADY STATE	NWS Earle – Colts Neck, NJ	
Backup Regions	Regions VI, II, VII	Denton, TX; New York, NY; Kansas City, MO	FEMA HQ designated back-up regions
IMAT A	FULLY MISSION CAPABLE	New York	
IMAT B	FULLY MISSION CAPABLE	New York	
IMAT C	PARTIALLY MISSION CAPABLE	Puerto Rico	Irma/Maria Recovery
NOAA/NWS ROC	LEVEL IV – NORMAL OPERATIONS	Bohemia, NY	
NJ SEOC	STEADY STATE	West Trenton, NJ	
NYS OEM	LEVEL V – STEADY STATE	Albany, NY	
NYC EM	LEVEL IV – STEADY STATE	Brooklyn, NY	
PREMA	LEVEL IV - FULL ACTIVATION	San Juan, PR	Irma/Maria Recovery
VITEMA	LEVEL II - FULL ACTIVATION	St. Thomas/St. Croix/St. John	Irma/Maria Recovery

Deployed

Mission Capable

Partially Mission Capable

Non Mission Capable

Contingency RRCS Roster – as of June 6, 2018

Primary Position	Contingency Team 1		Contingency Team 2		Additional Staffing Support		
Chief & Advisory Staff	Last Name	First Name	Last Name	First Name	Chief & Advisory Staff	Last Name	First Name
Chief of the RRCS	DOSANTOS	JOSE	MCDONNELL	WILLIAM			
Legal Advisor	BISHOP	SARA	BERNSTEIN	RICHARD	Legal Advisor	KEARNEY	SHARRON
External Affairs Advisor	CAETANO	DON	CESAR	FRITZMARIE			
Disability Advisor	FLEMMING	JAMES	MADIGAN	KATHLEEN	Disability Advisor		
Situational Awareness Section (SAS)					Situational Awareness Section (SAS)		
SAS Section Chief			MC SHINE	DALE	SAS Section Chief	MARTIN	JAMES
Information Unit Leader	MCGOWAN	MICHAEL	DOUGLASS	WILLIAM	Information Unit Leader	ELLISON	VALLON
Info. Collection Specialist	VALE	MIRIAM			Information Collection Specialist	JANTZ	HOLLY
Info Analysis Specialist	HORWEDEL	LEROY	OLINGER	LARA	Information Analysis Specialist		
Documentation Unit Leader	SKOWRONSKI	JESSICA			Information Analysis Specialist	SHWEKY	ALLAN
Documentation Unit Specialist	PSOTA	NATHAN					
GIS Unit Leader	O'BRIEN	JULIA	SHEPARD	ABROM			
GIS Specialist	SHUMON	BRIAN	WEBB	CHRISTIAN			
Planning Support Section (PSS)					Planning Support Section (PSS)		
PSS Section Chief	CAPPS	EDWARD	LUHRS	MARIANNE	PSS Section Chief	KERINS	DEVIN
Current Planning Unit Leader	GRIGORY	THERESA	BENOIT	EDWARD			
Future Planning Unit Leader	MONITZ	GARY	MENDEZ JR	THOMAS	Future Planning Unit Leader	CHAVES	FERNANDA
Resource Support Section (RSS)					Resource Support Section (RSS)		
RSS Section Chief	FLYNN	TERRENCE	TRANter	ROBERT	RSS Section Chief	ALONSO	JOHN
Resource Capability Branch Director	TANG	NEWTON	TAIT	EDWARD			
Resource Tracker	HAYES	VALERIE	BUSSEY	MATTHEW			
Resource Tracker	HOGAN III	GEORGE	ADAMS	MATTHEW			
Emergency Services Group Supervisor	DETEMPLE	WARREN	FORTINO	DAVID			
IA Group Supervisor	GOLBEY	SETH	RODRIGUEZ	MARIA			
Mass Care Unit Leader	COSTA	DEBORAH					
VAL Unit Leader	ROSS	LORI	GRISHAM	KIMBERLY			
Infrastructure Assets Group Supervisor	JOSEPH	THEOPHILUS	THOMAS	REGINALD			
Operational Support Group Supervisor	PARR	LAURA			Operational Support Group Supervisor		
Order Processing Group Supervisor	MCGRAITH	PETER	STURMAN	MICHELE	Order Processing Group Supervisor	WAGNER	MICHAEL
Comptroller	PREISSER	BERNHARD	MOHAMMAD	LALITA			
Contracting, Acq. Ordering Unit Leader	STRICKLAND	TIFFANY	AVILES	MERLYS	Ordering Specialist	GRIFFITH	IKIBA
Ordering Specialist	MACK	GENNARA	SINGH	JACQUELINE			
Personnel (Deployment Unit)	SUTLEY	JACQUELINE					
MA Unit Leader	EDWARDS	SHARON	RODRIGUEZ	GENEROSA			
MA Specialist	SNYDER	MARYLU	VALLE	GINNY			
MA Specialist	ODUTOLA	YEMI	TOUSSAINT	DAPHNY			
Center & Staff Support					Center & Staff Support		
Section Chief	CARLIN	ROBERT	CAGGIANO	CRAIG	CSS Chief	WUJCIAK	ROBERT
Facility Unit Leader	ANTONELLI	NICHOLAS	WILSON	JEFFERY	IT Unit Leader	MOY	SZU
IT Unit Leader	FRANK	BLAINE	EDWARDS	MARCIA	IT Unit Leader	LAI	RAYMOND
IT Specialist	FORINO	CARL	SCOTTI	JOSEPH			
IT Specialist	PADGETT	ROGER	PALKOWSKI	CHARLES			

Liaisons				
Liaison Coordinator	O'REILLY	LARRY	MORIARTY	MICHAEL
State Liaison - CONUS	CAMMARATA	CHRISTOPHER	HOOLE	PAUL
State Liaison - CONUS	FORREST	LAURA	PIWONKA BERNSTEIN	CHRISTINE
State Liaison - CONUS	GRIFFIN	RICHARD	HEATH	DOUGLAS
State Liaison - CONUS	HASEMANN	BRIAN		
State Liaison - CONUS	CULLEN	WILLIAM	DEBONIS	MICHAEL
State Liaison - CONUS			SANCHEZ	SANDRA

Note: Only revision is Resource Capability Branch Director updated for Team 1 & Team 2.

FEMA Region II Disaster Declarations

Event	Address	FCO Contact Info	
Puerto Rico: Hurricane Maria FEMA-4339-DR-PR FEMA-3391-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
Puerto Rico: Hurricane Irma FEMA-4336-DR-PR FEMA-3384-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
USVI: Hurricane Maria FEMA-4340-DR-USVI FEMA-3390-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
USVI: Hurricane Irma FEMA-4335-DR-USVI FEMA-3383-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
New York: Flooding FEMA-4348-DR-NY	Joint Field Office Leo W. O'Brien Federal Building 11A Clinton Avenue, Room 600 Albany, NY 12206-5421 USNG: 18T XN 02265 22734	Seamus K. Leary	518-396-3839

*USVI Area Field Office Location:

7280 Frenchman's Bay, St. Thomas, USVI, 00802

Updates in [Blue](#)

Current Situation: *(Updates in Blue)*

New York:

- **State of Emergency** for Orange and Putnam counties declared on 5/15/2018 remains in effect due to storm related damage.

New Jersey:

- Nothing Significant to Report

Puerto Rico & USVI:

- **Hurricane Irma & Maria Response & Recovery:**
 - FEMA Region II personnel, Regional Incident Management Assistance Teams (IMATs), USVI Territorial Emergency Management Agency (VITEMA), Puerto Rico Emergency Management Agency (PREMA), Department of Defense, government agencies, partners, and stakeholders are coordinating response & recovery operations
 - Puerto Rico: FCO Michael Byrne
 - USVI: FCO Bill Vogel in St. Croix

Northeast Forecast

Thursday

Partly sunny, with a high of 73. South winds to 10 mph.

Thursday Night

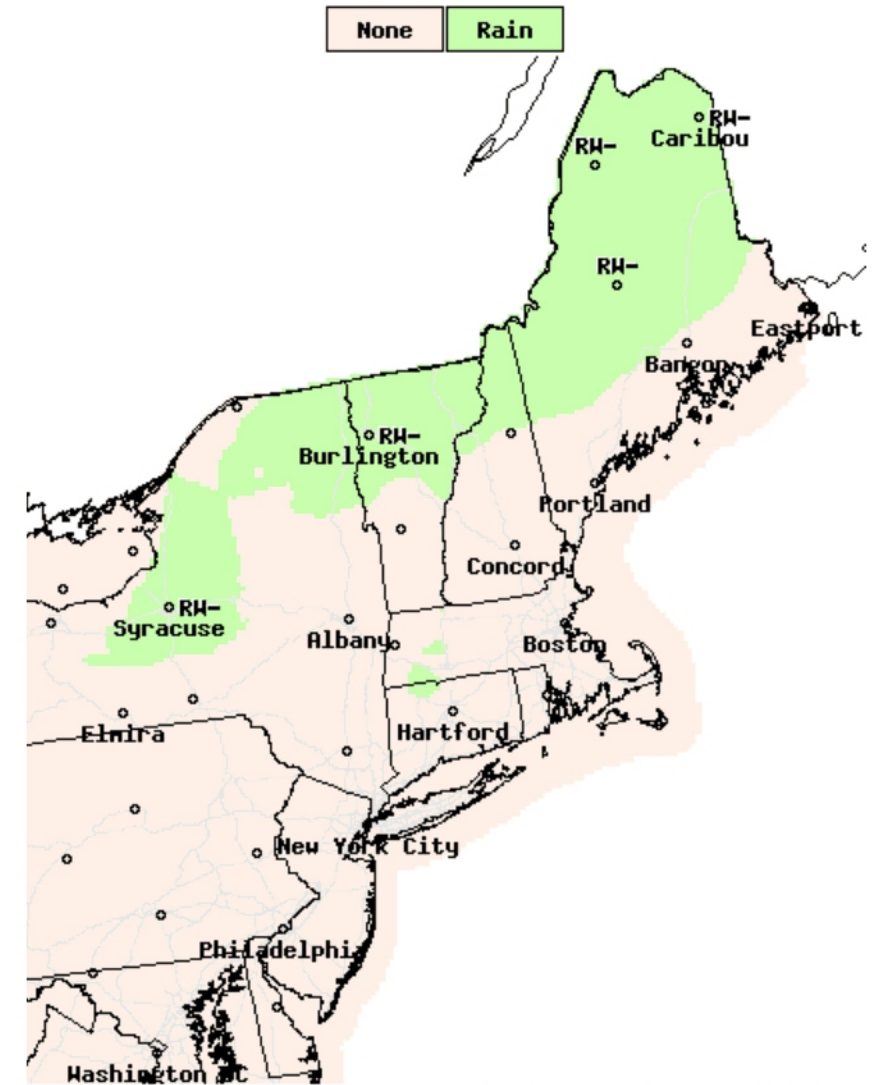
Mostly cloudy, with a low of 62. South winds up to 11 mph.

Friday

Mostly sunny, with a high of 79. West winds less than 10 mph.

Friday Night

20% chance of showers and thunderstorms after 9pm. Mostly cloudy, with a low of 64. Winds less than 10mph.



Predominant Weather For Thu Jun 07 2018 11AM EDT
(Thu Jun 07 2018 15Z)



National Digital Forecast Database

12z issuance

Graphic created-Jun 07 8:54AM EDT

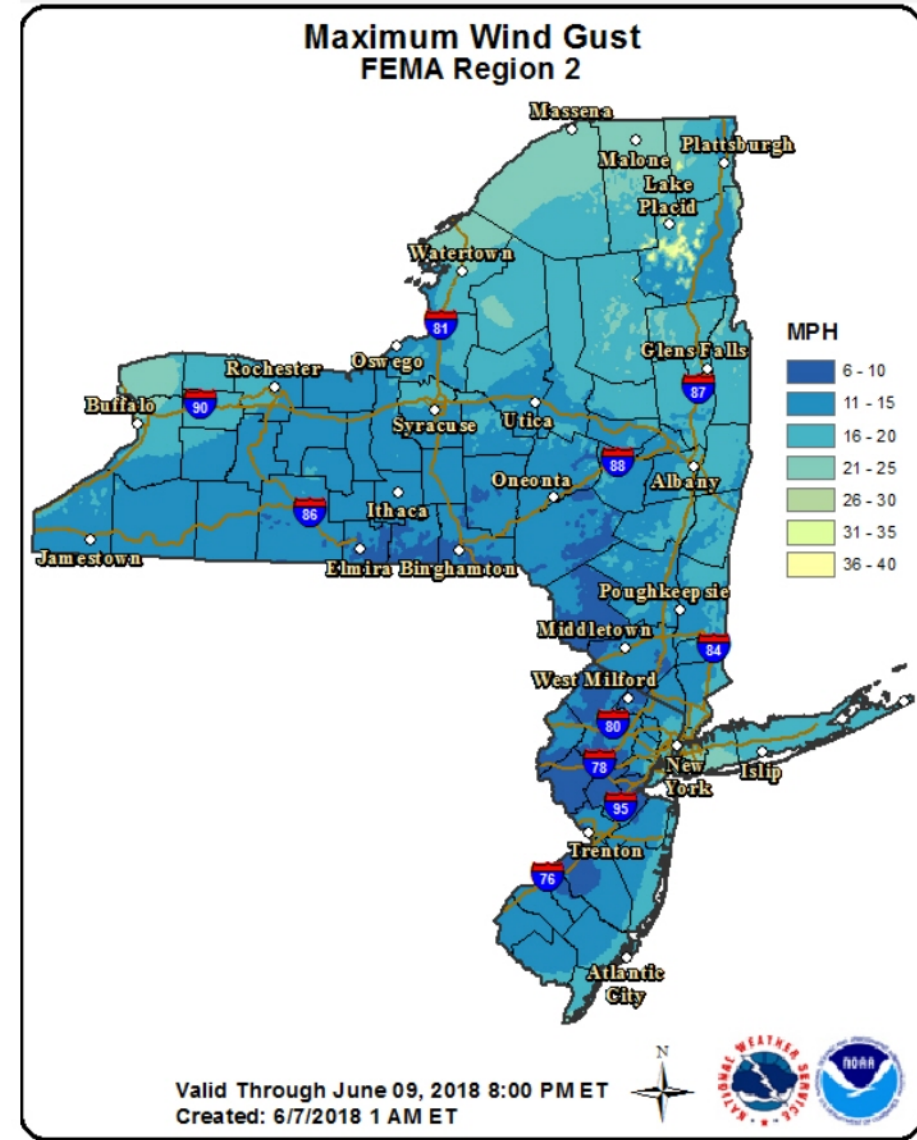
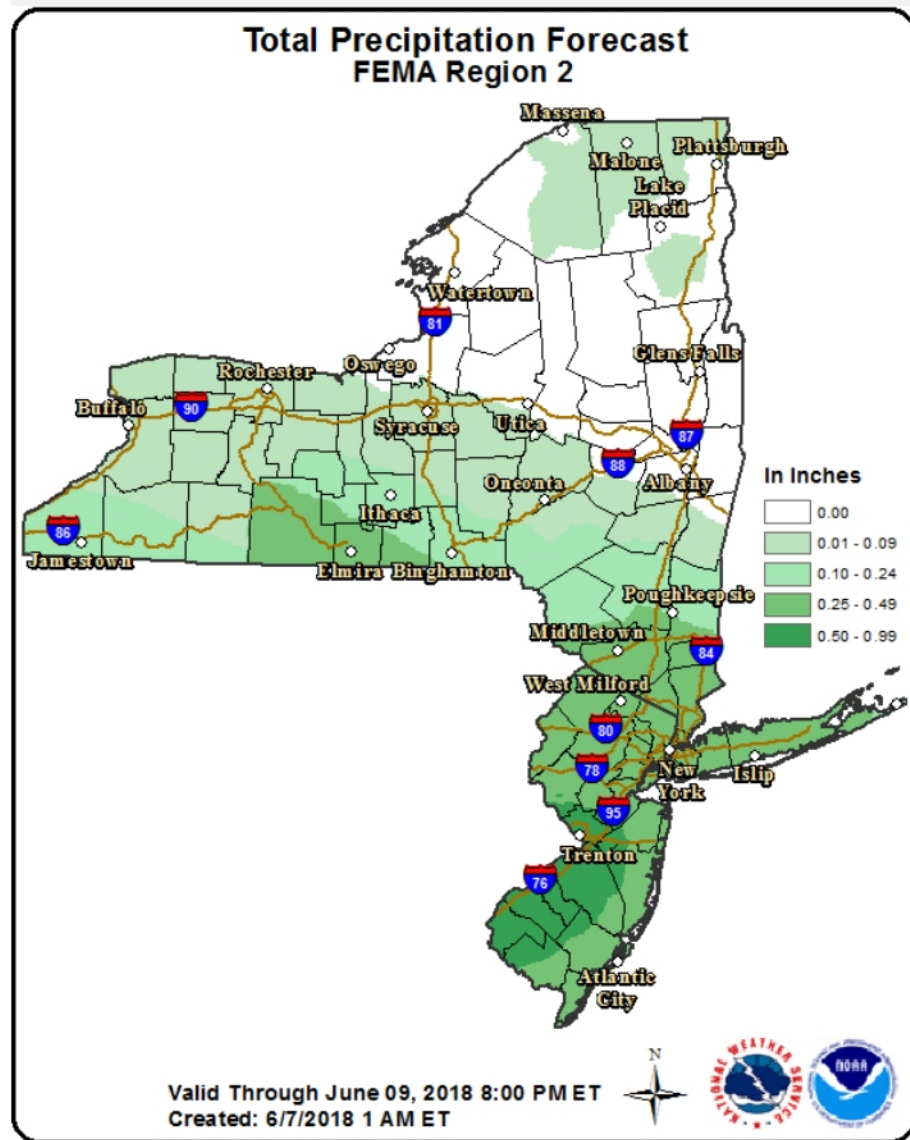


Source:

<http://forecast.weather.gov/MapClick.php?CityName=New+York&state=NY&site=OKX&textField1=40.7198&textField2=-73.993>

<https://graphical.weather.gov/sectors/northeast.php>

New York & New Jersey Forecast through June 9th, 2018



Watches & Warnings

New York / New Jersey: No Watches or Warnings in effect.

Puerto Rico / USVI: No Watches or Warnings in effect.

Northeast River Forecast (5 Day)



Significant River Flood Outlook


Valid: 06/06/18 - 06/11/18

Middle Atlantic River Forecast Center 06/06/18 10:01:43 AM



 SIGNIFICANT RIVER FLOODING POSSIBLE.

 SIGNIFICANT RIVER FLOODING LIKELY.

 SIGNIFICANT RIVER FLOODING OCCURRING OR IS IMMINENT.

Significant River Flooding Impacts include:
Roads adversely affected. Residential, commercial, industrial, and/or agricultural areas affected. May require evacuation of people.

NOTE: Flash Flooding or Minor River Flooding will NOT be included in this outlook.

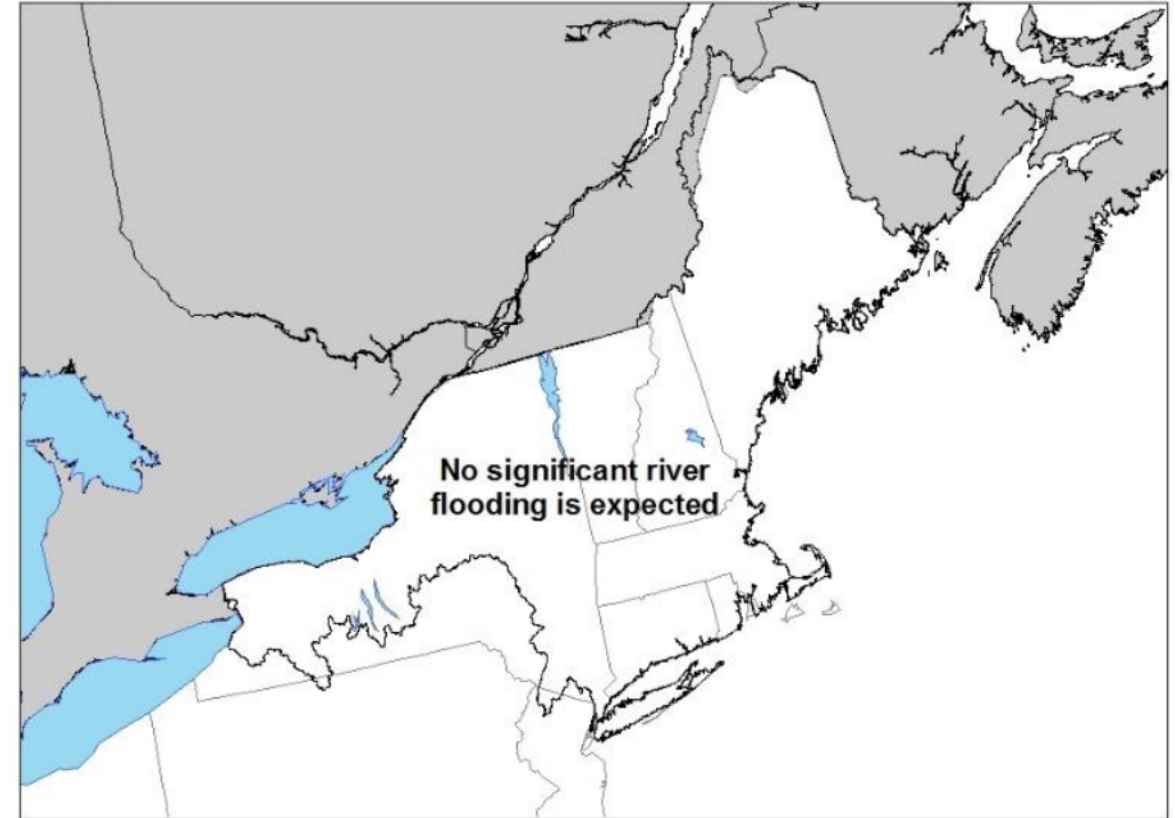
Source: Mid Atlantic River Forecast Center:
http://www.weather.gov/marfc/Flood_Outlook





Significant River Flood Outlook


Valid: 6/06/2018 - 6/11/2018

Northeast River Forecast Center 6/06/2018 11:59 AM



 SIGNIFICANT RIVER FLOODING POSSIBLE.

 SIGNIFICANT RIVER FLOODING LIKELY.

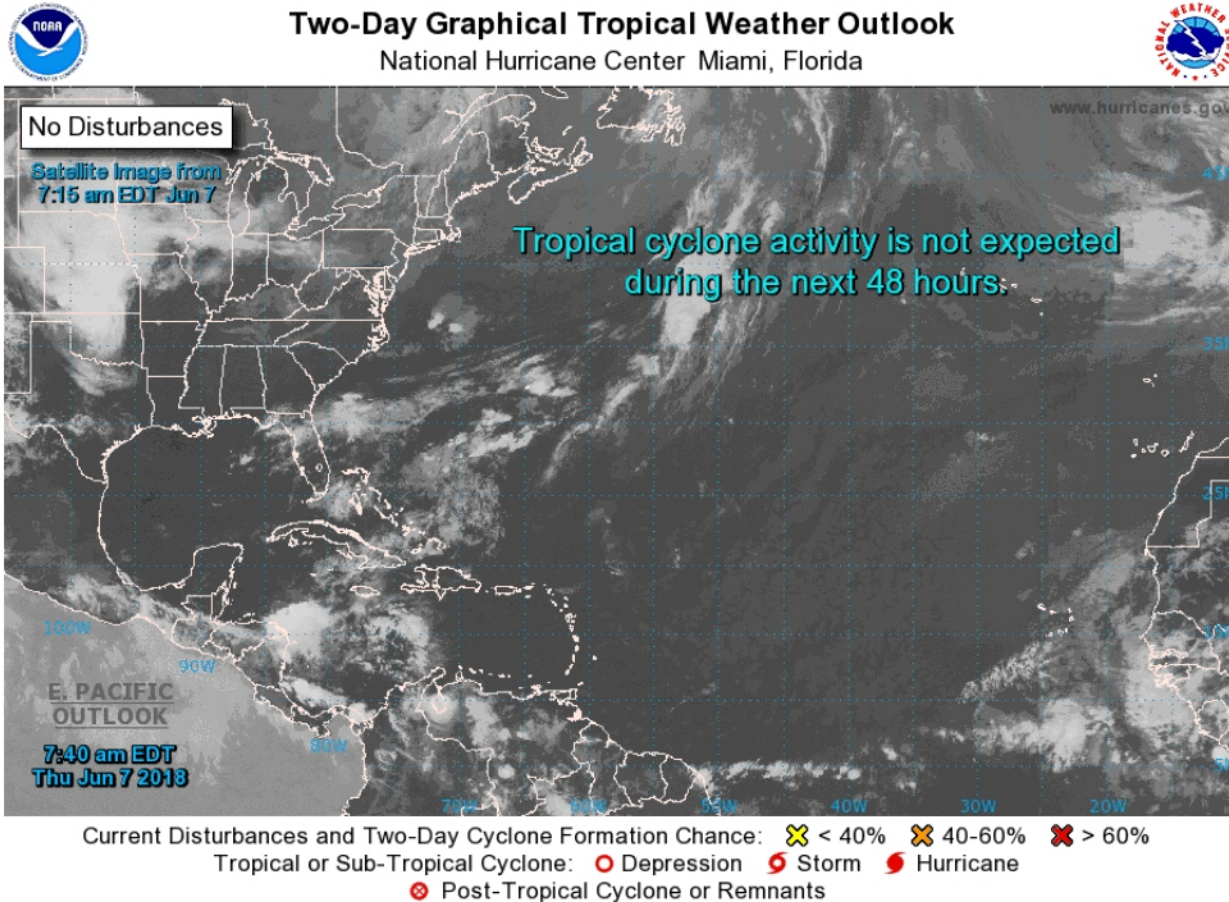
 SIGNIFICANT RIVER FLOODING OCCURRING OR IS IMMINENT.

Significant River Flooding Impacts include:
Roads adversely affected. Residential, commercial, industrial, and/or agricultural areas affected. May require evacuation of people.

NOTE: Flash Flooding or Minor River Flooding will NOT be included in this outlook.

Source: Northeast River Forecast Center:
<http://www.weather.gov/nerfc/fop>

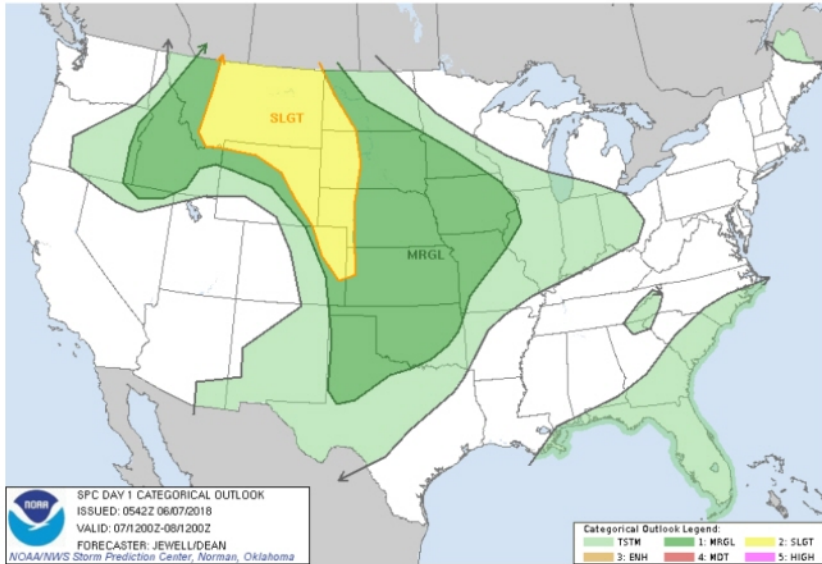
Tropical Weather: Two and Five Day Outlook



Convective Outlook

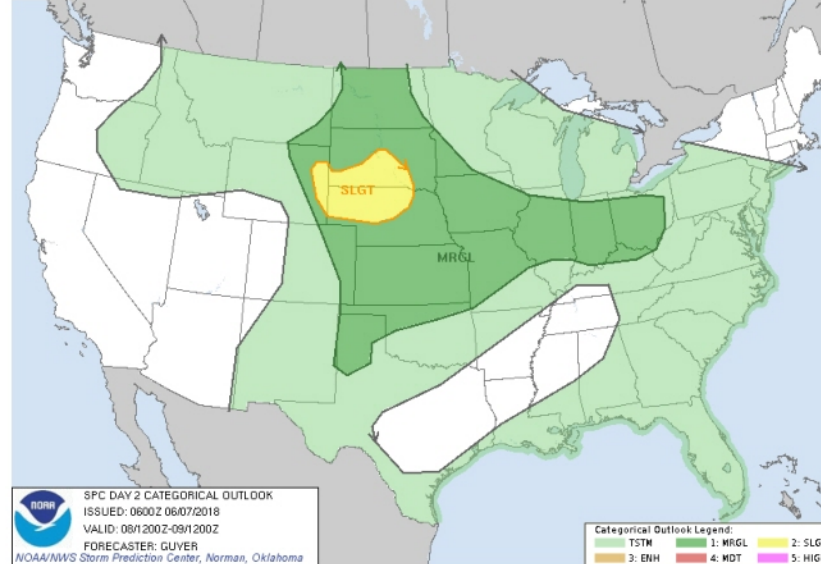
June 7, Day 1

NY/NJ: No severe thunderstorms expected



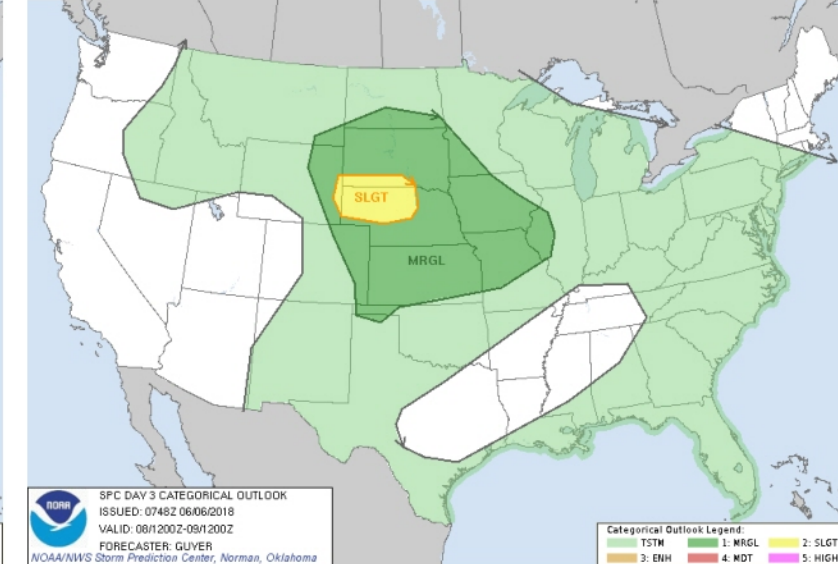
June 8, Day 2

NY/NJ: No severe thunderstorms expected









June 9, Day 3

NY/NJ: No severe thunderstorms expected



Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
					

* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.

Caribbean Area Hazardous Weather Outlook



Flood Threat

Valid from 6 AM AST Jun 07, 2018 to 6 PM AST Jun 07, 2018



Threat	Flood
SLIGHT	Ponding of water in roads and poorly drained areas.
MODERATE	Urban and small stream flooding.
HIGH	Widespread flooding possible, having major impact on structures & road closures.

Rip Currents Threat

Valid from 6 AM AST Jun 07, 2018 to 6 PM AST Jun 07, 2018



Threat	Rip Current
SLIGHT	The risk for rip currents is low. Rip currents often occur in the vicinity of reefs and piers.
MODERATE	Life threatening rip currents are possible in the surf zone.
HIGH	Life threatening rip currents are likely in the surf zone.



National Weather Service
San Juan, PR
06/07/2018 10:20 GMT

Follow Us:
weather.gov/sju



National Weather Service
San Juan, PR
06/07/2018 07:29 GMT

Follow Us:
weather.gov/sju



Extended Forecast

New York City:

Today	Tonight	Friday	Friday Night	Saturday	Saturday Night	Sunday	Sunday Night	Monday
								
Partly Sunny	Mostly Cloudy	Mostly Sunny	Chance T-storms	Chance T-storms	Chance T-storms	Mostly Sunny	Mostly Clear	Sunny
High: 73 °F	Low: 62 °F	High: 79 °F	Low: 64 °F	High: 74 °F	Low: 61 °F	High: 72 °F	Low: 59 °F	High: 74 °F

San Juan, Puerto Rico:

Today	Tonight	Friday	Friday Night	Saturday	Saturday Night	Sunday	Sunday Night	Monday
								
Isolated Showers	Isolated Showers	Isolated Showers	Isolated Showers	Scattered Showers	Scattered Showers	Scattered Showers then Mostly Sunny	Scattered Showers	Scattered Showers then Mostly Sunny
High: 88 °F	Low: 79 °F	High: 87 °F	Low: 79 °F	High: 86 °F	Low: 79 °F	High: 86 °F	Low: 79 °F	High: 87 °F

Sources:

NYC - <http://forecast.weather.gov/MapClick.php?CityName=New+York&state=NY&site=OKX&textField1=40.7198&textField2=-73.993>

San Juan - <http://forecast.weather.gov/MapClick.php?lat=18.4663&lon=-66.1057>

US Drought Monitor

New York/New Jersey:

- No drought conditions present

Puerto Rico/USVI:

- No drought conditions present

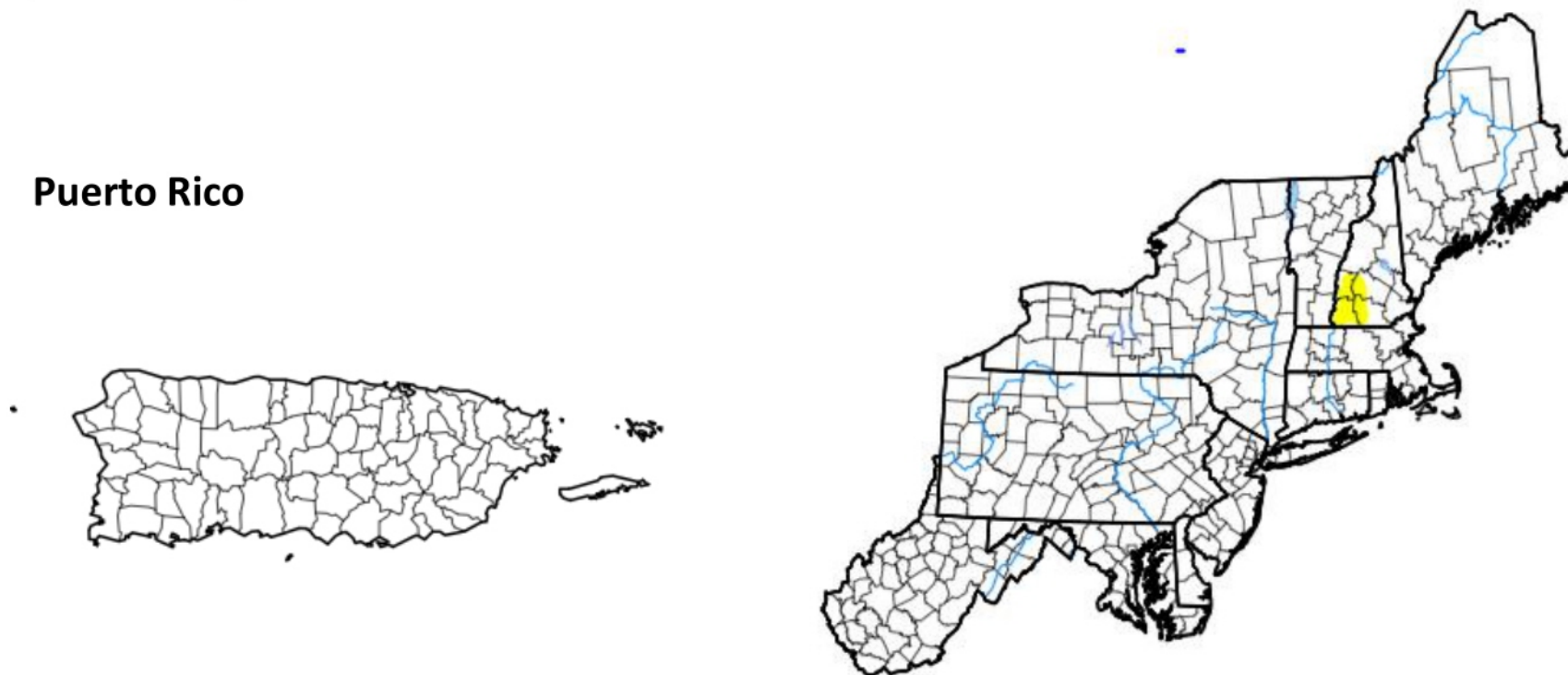
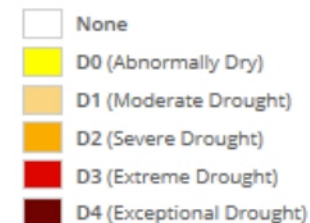
Northeast

Map released: Thurs. May 31, 2018

Data valid: May 29, 2018 at 8 a.m. EDT

Puerto Rico

Intensity:



Source: Released 31 May 2018; US Drought Monitor

Northeast: <http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?Northeast>

PR: <http://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?PR>

Wild Fire Outlook

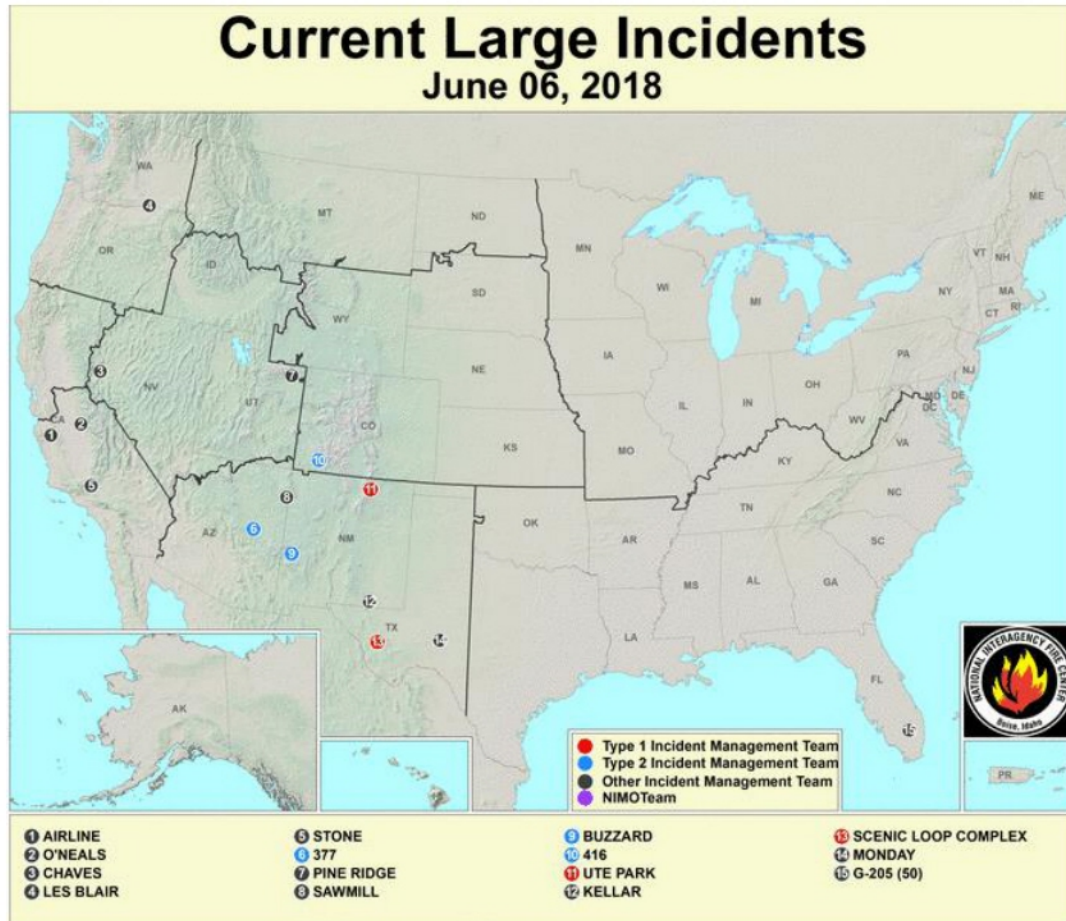
ACTIVE WILDFIRES

New York / New Jersey:

- No reported active wild fires

Puerto Rico / USVI:

- No reported active wild fires



Source: <https://fsapps.nwcg.gov/afm/>

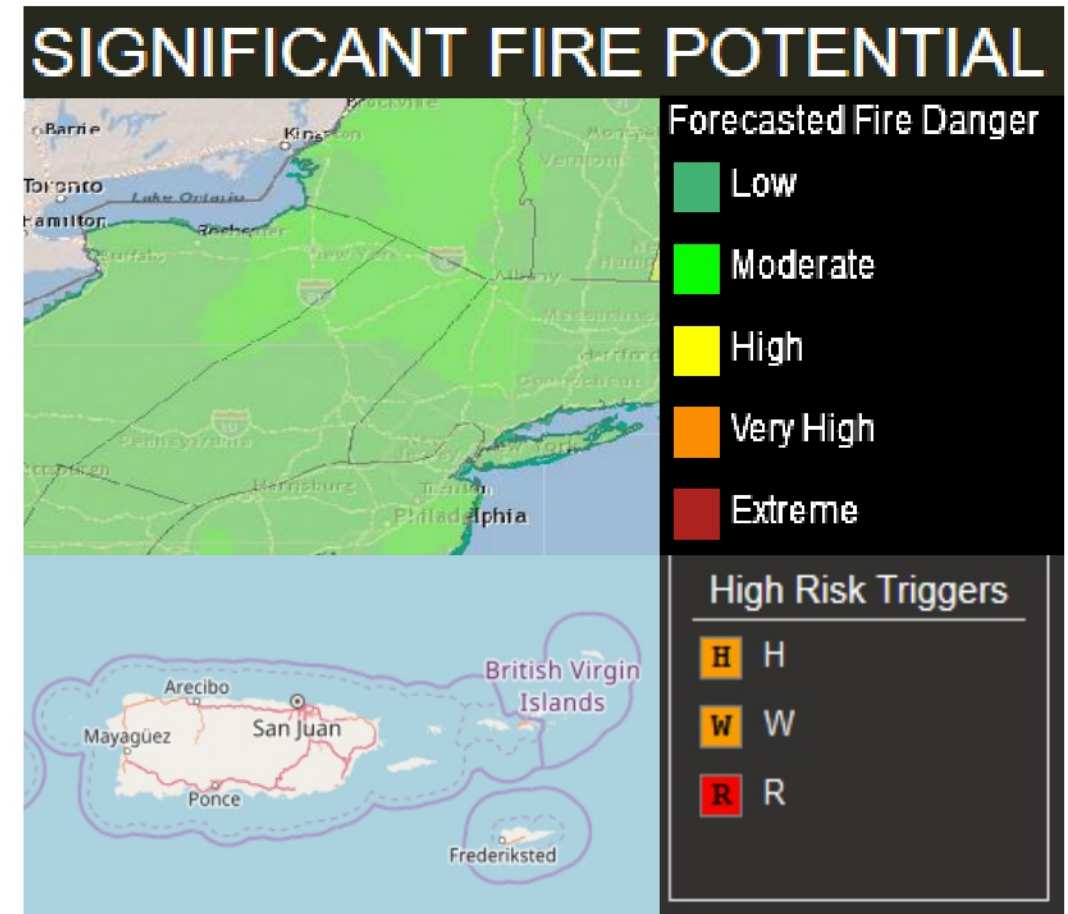
SIGNIFICANT FIRE POTENTIAL

New York / New Jersey:

- Little or no fire risk for the next 24 hours

Puerto Rico / USVI:

- Little or no fire risk for the next 24 hours



Source: https://psgeodata.fs.fed.us/Dynamic_Map/index.html

90 Day Projection for NSSE or SEAR 1, 2, and 3

Special Events in Region II

EVENT	LEVEL	LOCATION	STATE	CROWD SIZE	START	END
NY Yankees Home Games	3	Bronx	NY	50K	4/2/2018	9/23/2018
NY Mets Home Games	3	Queens	NY	50K	4/20/2018	9/23/2018
NYC Football Club Home Games	3	Bronx	NY	30K	3/11/2018	10/28/2018
SmorgasBurg – East River State Park	3	Brooklyn	NY	20K	5/12/18	10/13/18
NYC Pride Week	3	NYC	NY	2 Million	6/14/18	6/24/18
NYC 4 th of July	2	New York	NY	300K	7/4/18	7/4/18
Haddonfield Crafts & Fine Arts Festival	3	Haddonfield	NJ	100K	7/7/18	7/8/18

***National Special Security Event (NSSE)** – Established by Presidential Policy*
***Special Event Assessment Rating (SEAR)** – Established/governed by DHS Policy*

UNCLASSIFIED//For Official Use Only

Mass Gatherings in Region II: ≥10K Participants, 30-Day Projection

Event	City/County	State	Start Date	End Date
The ShopRite LPGA Classic	Atlantic	NJ	6/7/2018	6/10/2018
AnimeNEXT 2018	Atlantic	NJ	6/8/2018	6/10/2018
50th Anniversary Special Olympics Summer Games	Mercer	NJ	6/8/2018	6/10/2018
Greenwood Lake Air Show	Passaic	NJ	6/8/2018	6/10/2018
Imagine Dragons	Monmouth	NJ	6/9/2018	6/9/2018
Belmont Stakes	Queens	NY	6/9/2018	6/9/2018
Westfield Street Fair & Craft Show	Union	NJ	6/9/2018	6/9/2018
Cape May Boardwalk Craft Show	Cape May	NJ	6/9/2018	6/10/2018
Westfield Street Fair & Craft Show	Union	NJ	6/9/2018	6/9/2018
Summer Jam	Bergen	NJ	6/10/2018	6/10/2018
Montvale Street Festival & Craft Show	Bergen	NJ	6/10/2018	6/10/2018
Fair Lawn Street Fair and Craft Show	Bergen	NJ	6/10/2018	6/10/2018
NJ Irish Festival	Monmouth	NJ	6/10/2018	6/10/2018
Puerto Rican Day Parade	Manhattan	NY	6/10/2018	6/10/2018
28th Annual LI Pride Parade	Nassau	NY	6/10/2018	6/10/2018
Red Bulls vs. Seattle Sounders FC	Hudson	NJ	6/13/2018	6/13/2018
Tri-County Fair	Morris	NJ	6/14/2018	6/17/2018
Journey and Def Leppard	Essex	NJ	6/15/2018	6/15/2018
Skimmer Festival	Cape May	NJ	6/16/2018	6/17/2018
Spring Fine Arts and Crafts at Brookdale Park	Essex	NJ	6/16/2018	6/17/2018
36th Annual Coney Island Mermaid Parade	Brooklyn	NY	6/16/2018	6/16/2018
Dunellen Street Fair & Craft Show	Middlesex	NJ	6/17/2018	6/17/2018
Logic, NF & Kyle	Monmouth	NJ	6/17/2018	6/17/2018
Nutleys' Fathers Day Street Fair & Craft Show	Essex	NJ	6/17/2018	6/17/2018
30 Seconds To Mars, Walk The Moon & MisterWives	Monmouth	NJ	6/21/2018	6/21/2018

National Terrorism Advisory System

National Terrorism Advisory System

Type	Subject	Advisory Summary	Issued / Expires	TYPES OF ADVISORIES
Bulletin	Terrorism Threat	<ul style="list-style-type: none"> We continue to face one of the most challenging threat environments since 9/11, as foreign terrorist organizations exploit the Internet to inspire, enable, or direct individuals already here in the homeland to commit terrorist acts. Homegrown terror suspects increasingly rely on technology, such as end-to-end encrypted social media applications, to avoid detection. Terrorist groups are urging recruits to adopt easy-to-use tools to target public places and events. Specific attack tactics have included the use of vehicle ramming, small arms, straight-edged blades or knives, homemade explosives, and poisons or toxins. Some terrorist groups overseas are using battlefield experiences to pursue new technologies & tactics, such as unmanned aerial systems & chemical agents that could be used outside the conflict zones. Terrorists continue to target commercial aviation and air cargo, including with concealed explosives. Violent extremist media encourages individuals worldwide to launch attacks using all means possible. Continued U.S. and partner successes in disrupting and defeating terrorists on the battlefield may encourage homegrown terrorists to carry out acts of violence in the homeland instead of attempting to travel overseas to fight or in retaliation for apparent losses. Additionally, foreign terrorist fighters who have acquired training and battle-tested terrorism experience may flee from terrorist-controlled territories with a desire to conduct attacks elsewhere, including the US. 	Issued: 5/9/18 Expires: 9/14/18	Bulletin: Describes current developments or general trends regarding threats of terrorism. Elevated Alert: Warns of credible terrorism threat against US. Imminent Alert: Warns of credible, specific & impending terrorism threat against US.

National Counterterrorism Center Historical Calendar

Date	Location	Event
12 JUN 2016	Orlando, FL	Pulse Nightclub Shooting, Orlando Florida. Omar Mateen, a 29-year-old security guard, killed 49 people and wounded 53.
22 JUN 1993	Tiburon, CA	Unabomber T. Kaczynski bomb injures scientist from University of California
24 JUN 1993	New Haven, CT	Unabomber T. Kaczynski bomb injures professor at Yale University
24 JUN 1993	NYC	Sheikh Omar Abdel Rahman and others arrested for role in World Trade Center bombing, thwarting plans to bomb United Nation Headquarters, the Lincoln Tunnel, the Holland Tunnel, the George Washington Bridge, and FBI offices in New York City

[Source: NCTC Counterterrorism Calendar and Open Source](#)

Region II Historical Record of Declarations: June

State	Date	Description	Number
New York	June 22 nd 1972	Tropical Storm Agnes	DR-338
	June 28 th 1976	Flash Flooding	DR-512
	June 15 th 1998	New York Severe Thunderstorms and Tornadoes	DR-1222
	June 9 th 2011	New York Severe Storms, Flooding, Tornadoes, and Straight-line Winds	DR-1993

State	Date	Description	Number
New Jersey	June 17 th 1968	New Jersey Heavy Rains, Flooding	DR-245
	June 1 st 2002	New Jersey Double Trouble Fire	FM-2411

State	Date	Description	Number
USVI	June 7 th 1964	Virgin Islands Extreme Drought Condition	DR-171
	June 13 th 1977	Virgin Islands Drought (EM-3042)	EM-3042

State	Date	Description	Number
Puerto Rico	June 23 rd 2010	Extreme Drought Conditions	DR-1919



FEMA Region II Staff and Administrative Highlights

- **Employee Community Board**

Please see the Region II Employee Community Board for useful information.

<https://intranet.fema.net/org/regions/region2/collab/Pages/ECB.aspx>

- **2018 Federal Employee Viewpoint Survey** will end Thursday, June 21, 2018, at 11:59 p.m. ET.

- **FEMA's previous FEVS results can be viewed online.**

- As of May 17, the Agency's response rate is just over 20%. This year the FEVS was sent to all FEMA employees on board since October 2017, so **please take the time to submit your survey today!** **FEMA's previous FEVS results can be viewed online.** Permanently employed, non-political, non-seasonal, full/part-time employees on board as of October 2017, will receive an email from EVHS@opm.gov. The email subject line will read: **2018 Federal Employee Viewpoint Survey.**
 - Also, employees from this group who complete the 2018 FEVS will be invited to participate in an OPM pilot survey entitled: "Inspire the Future, Modernize the FEVS."
 - Reservists, COREs and temporary-full-time employees on board as of October 2017, will receive an email from USASurvey@opm.gov. The email subject line will read: **FEMA 2018 Stafford Act Employee Viewpoint Survey.**

- **It's PP#11!! Please have your time sheet completed by noon, TODAY. Validate and Affirm your time!**

Picture of the Day - Thursday



New York, N.Y., May 31, 2018--Region II Administrator Tom Von Essen holds an all-hands meeting to update personnel on the progress being made in the U.S. Virgin Islands and Puerto Rico as the new hurricane season begins. Von Essen also presented awards to several employees in recognition of their service for 10, 20 and 30 years with FEMA. FEMA/K.C. Wilsey

Submit pictures to: gina.callaghan@fema.dhs.gov Subject: "Photo of the Day" (include caption info)

Daily Operations Brief was prepared by the FEMA Region II Regional Watch Center



FEMA



REGION 2



NJ



NY



PR



VI

WEATHER THE STORM
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Please contact the R2 RWC with any questions or comments: fema-r2-watchofficer@fema.dhs.gov

FEMA Region II External Affairs POC: fema-r2-externalaffairs@fema.dhs.gov

Region II Watch Operations 24/7 Toll Free Number 1 (877) 568-9043

Region II Daily Operations Brief

Friday, June 15, 2018 as of **0930** EDT



FEMA



0930 hrs. LIVE BRIEFING INFORMATION

DIAL IN NUMBER: 800-320-4330, PIN: 595740#

ADOBE CONNECT SESSION:

<https://fema.connectsolutions.com/region2rdob>

Region II Regional Watch Center (R2 RWC): **STEADY STATE**
Regional Response Coordination Center (RRCC): **LEVEL IV STEADY STATE**
Region II Watch Operations 24/7 Toll Free Number 1 (877) 568-9043

Agenda

- Senior Leadership Locations
- Weekly Calendar Highlights
- Current Operational Status
- Contingency RRCS Roster - As of June 15th 2018
- FEMA Region II Disaster Declarations
- Current Situation
 - (U//FOUO) NYC PRIDE WEEK QUAD - June 14-24, 2018 - NYC
- Regional Weather
 - Northeast Forecast
 - New York & New Jersey Forecasts
 - Watches & Warnings
 - Northeast/Mid-Atlantic Significant River Flood Outlook (5 Day)
 - Tropical Weather Outlook
 - Convective Outlook
 - Caribbean Weather Outlook
 - Extended Forecast
 - Drought Conditions
 - Wildfire Outlook
- 90 Day Projection for NSSE or SEAR 1, 2, and 3 Special Events in Region II
- Mass Gatherings in Region II: \geq 10K Participants, 30-Day Projection
- National Terrorism Advisory System & Historical Calendar
- Region II Historical Record of Declarations
- FEMA Region II Staff and Administrative Highlights
- Picture of the Day

Senior Leadership Locations

POSITION	NAME	FRI	SAT	COMMENTS	SUN	MON	TUE	WED	THU
		6/15/18	6/16/18		6/17/18	6/18/18	6/19/18	6/20/18	6/21/18
Regional Administrator	Von Essen, Thomas	RO	Available		CAD	RO	RO	RO	RO
Deputy Regional Administrator	Yee, Lai Sun	Leave	Available		Available	NWSE	NWSE	NWSE	RO
Chief of Staff	Covell, John	RO	Available		Available	RO	RO	RO	RO
External Affairs Director	Caetano, Don	RO	Unavailable		Unavailable	NWSE	NWSE	NWSE	RO
Regional Counsel	Bishop, Sara	Telework	Available	EMI for Training	Available	NWSE	NWSE	NWSE	Telework
Federal Coordinating Officer	Bynum, Sadie	Deployed	Deployed		Deployed	Deployed	Deployed	Deployed	Deployed
Caribbean Area Director	DeLaCampa, Alex	CAD	CAD		CAD	CAD	CAD	CAD	CAD
Defense Coordinating Officer	Heintzelman, Scott	CAD	CAD		CAD	CAD	CAD	CAD	CAD
Federal Coordinating Officer	Leary, Seamus	Leave	Leave		Leave	Leave	Leave	Leave	Leave
Grants Director	McShine, Dale	Telework	Available		Available	NWSE	NWSE	Telework	RO
Mission Support Director	Coleman, Tasha	RO	Available		Available	RO	RO	Telework	Leave
Mitigation Director	Moriarty, Michael	RO	Leave	Albany NY/ DHSES	Unavailable	RO			
Deputy Response Director	Neidermeyer, Alan	Deployed	Deployed	DR 4335/4340 USVI	Deployed	Deployed	Deployed	Deployed	Deployed
Response Director (Acting)	Wind, Jason	RO	Available	Stewart Int Airport/Con Edison	Available	NWSE	NWSE	NWSE	Telework
Natl Preparedness Director	O'Reilly, Larry	Leave	Unavailable	6/12-Elizabeth, NJ AMSEC	Unavailable	NWSE	NWSE	NWSE	RO
Federal Disaster Recovery Coord	Rathje, Kenneth	Deployed	Deployed	Deployed					
Recovery Director	Smith, Heather	Deployed	Deployed	FEMA-4339-DR-PR	Deployed	Deployed	Deployed	Deployed	Deployed
Federal Coordinating Officer	Vogel, Bill	Deployed	Deployed	FEMA-4335/4340-DR-VI	Deployed	Deployed	Deployed	Deployed	Deployed
Mitigation Deputy Director	McDonnell, Bill	Telework	Available		Available	RO	RO	NWSE	RO

Weekly Calendar Highlights - Major Events (Thru June 29, 2018)

Date(s)	Time	Event	Location	Point of Contact
June 18-22	Multi-Day Event	RRCC and IMAT Annual Readiness Exercise 2018	Various R2 Sites	Danna Lopez
June 19	10:00am-11:00am	NOAA: Summary of Hurricane Research, Forecast Uncertainty and Challenges, and the Future of NHC Products for 2018 (in Spanish)	Webinar	NOAA
June 25-29	Multi-Day Event	Puerto Rico State Level Exercise	Puerto Rico	CAD
June 27	9:00am-11:00am	Belgian Emergency Manager Visit	WTC	Laura Vydmentaite
June 28	2:00pm-3:00pm	Caribbean Area RISC GIS Subcommittee Call	Phone	Julia O'Brien
June 29	All Day Event	Devolution Exercise	TBD	Laura Vydmentaite

CURRENT OPERATIONAL STATUS

REGION II OPERATIONAL STATUS

REGIONAL RESOURCE	STATUS	LOCATION	COMMENTS
FEMA RII RWC	PARTIALLY MISSION CAPABLE	26 Federal Plaza – NYC	Limited classified capabilities; HVAC not functional- GSA developing plan; limited access to comms systems (FNARS, NAWAS, FAA DEN, STE)
FEMA RII RRCC	STEADY STATE	NWS Earle – Colts Neck, NJ	
Backup Regions	Regions VIII, VII, II	Denver, CO; Kansas City, MO; New York, NY	FEMA HQ designated back-up regions
IMAT A	FULLY MISSION CAPABLE	New York	
IMAT B	FULLY MISSION CAPABLE	New York	
IMAT C	PARTIALLY MISSION CAPABLE	Puerto Rico	Irma/Maria Recovery
NOAA/NWS ROC	LEVEL IV – NORMAL OPERATIONS	Bohemia, NY	
NJ SEOC	STEADY STATE	West Trenton, NJ	
NYS OEM	LEVEL V – STEADY STATE	Albany, NY	
NYC EM	LEVEL IV – STEADY STATE	Brooklyn, NY	
PREMA	LEVEL IV - FULL ACTIVATION	San Juan, PR	Irma/Maria Recovery
VITEMA	LEVEL II - FULL ACTIVATION	St. Thomas/St. Croix/St. John	Irma/Maria Recovery

Deployed

Mission Capable

Partially Mission Capable

Non Mission Capable

Contingency RRCS Roster – as of June 15, 2018

Primary Position	Contingency Team 1		Contingency Team 2		Additional Staffing Support			Liasons				
Chief & Advisory Staff	Last Name	First Name	Last Name	First Name	Chief & Advisory Staff	Last Name	First Name	Liaison Coordinator	O'REILLY	LARRY	MORIARTY	MICHAEL
Chief of the RRCS	DOSANTOS	JOSE	MCDONNELL	WILLIAM				State Liaison - CONUS	CAMMARATA	CHRISTOPHER	HOOLE	PAUL
Legal Advisor (Deployed for training)	BISHOP	SARA	BERNSTEIN	RICHARD	Legal Advisor	KEARNEY	SHARRON	State Liaison - CONUS	FORREST	LAURA	PIWONKA BERNSTEIN	CHRISTINE
External Affairs Advisor	CAETANO	DON	CESAR	FRITZMARIE				State Liaison - CONUS	GRIFFIN	RICHARD	HEATH	DOUGLAS
Disability Advisor	FLEMMING	JAMES	MADIGAN	KATHLEEN				State Liaison - CONUS	HASEMANN	BRIAN		
Situational Awareness Section (SAS)					Situational Awareness Section (SAS)			State Liaison - CONUS	CULLEN	WILLIAM	DEBONIS	MICHAEL
SAS Section Chief	MC SHINE	DALE	MARTIN	JAMES	SAS Section Chief			State Liaison - CONUS			SANCHEZ	SANDRA
Information Unit Leader	MCGOWAN	MICHAEL	DOUGLASS	WILLIAM	Information Unit Leader	ELLISON	VALLON					
Info. Collection Specialist	VALE	MIRIAM			Information Collection Specialist							
Info Analysis Specialist	SWEKY	ALAN			Information Analysis Specialist							
Documentation Unit Leader	SKOWRONSKI	JESSICA			Information Analysis Specialist							
Documentation Unit Specialist	PSOTA	NATHAN										
GIS Unit Leader	O'BRIEN	JULIA	SHEPARD	ABROM								
GIS Specialist	SMITH	SEYMOUR	WEBB	CHRISTIAN								
Planning Support Section (PSS)					Planning Support Section (PSS)							
PSS Section Chief	CAPPS	EDWARD	LUHRS	MARIANNE	PSS Section Chief	KERINS	DEVIN					
Current Planning Unit Leader	GREGORY	THERESA	RODRIGUEZ	GLENNY								
Future Planning Unit Leader	MONITZ	GARY	CHAVES	FERNANDA	Future Planning Unit Leader							
Resource Support Section (RSS)					Resource Support Section (RSS)							
RSS Section Chief	FLYNN	TERRENCE	TRANIER	ROBERT	RSS Section Chief	ALONSO	JOHN					
Resource Capability Branch Director	TANG	NEWTON	TAIT	EDWARD								
Resource Tracker	HAYES	VALERIE	BUSSEY	MATTHEW	Resource Tracker	JOSEPH	GILBERT					
Resource Tracker	HOGAN III	GEORGE	ADAMS	MATTHEW								
Emergency Services Group Supervisor	DETEMPLE	WARREN	FORTINO	DAVID								
IA Group Supervisor	GOLBEY	SETH	FOX	RUSSELL								
Mass Care Unit Leader	COSTA	DEBORAH										
VAL Unit Leader	ROSS	LORI	GRISHAM	KIMBERLY								
Infrastructure Assets Group Supervisor	MUDD	ALEATHA	BAGGOT	CHRIS								
Operational Support Group Supervisor	PARR	LAURA	CABRAL	JENIFFER	Operational Support Group Supervisor							
Order Processing Group Supervisor	MCCRATH	PETER	WAGNER	MICHAEL	Order Processing Group Supervisor							
Comptroller	THOMSON	SCOTT	MOHAMMAD	LALITA								
Contracting, Acq. Ordering Unit Leader	STRICKLAND	TIFFANY	AVILES	MERLYS								
Ordering Specialist	MACK	GENNARA	SINGH	JACQUELINE	Ordering Specialist	GRIFFITH	IKEBA					
Personnel (Deployment Unit)	SUTLEY	JACQUELINE										
MA Unit Leader	RODRIGUEZ	GENEROSA										
MA Specialist	SNYDER	MARYLU	VALLE	GINNY								
MA Specialist	DINKINS	ZAZIIZ	ODUTOLA	YEMI								
Center & Staff Support					Center & Staff Support							
Section Chief	CARLIN	ROBERT	CAGGIANO	CRAIG	Section Chief	WUJCIAK	ROBERT					
Facility Unit Leader	DARY	CLAUDE	ANTONELLI	NICHOLAS								
IT Unit Leader	WYATT	ERIC	EDWARDS	MARCIA	IT Unit Leader	MOY	SZU					
IT Specialist	FORINO	CARL	SCOTTI	JOSEPH	IT Unit Leader	LAI	RAYMOND					
IT Specialist	PADGETT	ROGER	PALKOWSHI	CHARLES								

FEMA Region II Disaster Declarations

Event	Address	FCO Contact Info	
New Jersey: Severe Winter Storm and Snowstorm (March 6-7, 2018) FEMA-4368-DR	Joint Field Office TBD	Lai Sun Yee	212-680-3612
Puerto Rico: Hurricane Maria FEMA-4339-DR-PR FEMA-3391-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
Puerto Rico: Hurricane Irma FEMA-4336-DR-PR FEMA-3384-EM-PR	Joint Recovery Office GFR Media Building, #50 State Road PR-165 Guaynabo, PR 00968-8024 USNG: 19Q HA 05326 38637	Michael Byrne	787-725-2110
USVI: Hurricane Maria FEMA-4340-DR-USVI FEMA-3390-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
USVI: Hurricane Irma FEMA-4335-DR-USVI FEMA-3383-EM-USVI	Joint Field Office 4500 Sunny Isle Shopping Center, St. Croix, USVI 00820 USNG: 20Q LE 18361 62258	William Vogel	340-712-0300
New York: Flooding FEMA-4348-DR-NY	Joint Field Office Leo W. O'Brien Federal Building 11A Clinton Avenue, Room 600 Albany, NY 12206-5421 USNG: 18T XN 02265 22734	Seamus K. Leary	518-396-3839

***USVI Area Field Office Location:** 7280 Frenchman's Bay, St. Thomas, USVI, 00802

Updates in [Blue](#)

Current Situation: *(Updates in Blue)*

New York:

- **NYC Pride Week:**
 - Events will take place throughout NYC from through June 24, 2018
 - **NYC Pride March will begin at noon on Sunday, June 24, 2018 in Manhattan**
- **May 15th Severe Weather:**
 - **State of Emergency** for Orange and Putnam counties declared on 5/15/2018 remains in effect due to storm related damage.

New Jersey: Nothing significant to report

Puerto Rico & USVI:

- **Hurricane Irma & Maria Response & Recovery:**
 - FEMA Region II personnel, Regional Incident Management Assistance Teams (IMATs), USVI Territorial Emergency Management Agency (VITEMA), Puerto Rico Emergency Management Agency (PREMA), Department of Defense, government agencies, partners, and stakeholders are coordinating response & recovery operations
 - Puerto Rico: FCO Michael Byrne
 - USVI: FCO Bill Vogel (Located on St. Croix)

(U) NYC PRIDE WEEK - June 14-24, 2018 - NYC

(U) Background: From June 14-24, 2018 NYC Pride Week includes dozens of events throughout the city. The week culminates in the NYC Pride March on Sunday, June 24th, which winds through lower Manhattan and passes the Stonewall Inn, the location of the 1969 police raid that launched the Gay Rights Movement.

(U//FOUO) NYC Pride Week has been designated a Special Event Assessment Rating 3 Event (Established by DHS Policy).

(U) 49th NYC PRIDE PARADE: Sunday, June 24th

- **(U) Location :** Manhattan, NY; 5th Ave, 7th Ave, W 8th St, Christopher St.
- **(U) Attendance:** 40,000 participants & 2 million spectators.
- **(U) Media Coverage:** An extensive media presence, including national and local television and radio networks, will cover the event. ABC7 providing live coverage from noon on parade day.
- **(U) Weather:** Mostly sunny, High 77 & low 70.
- **(U) Mass Transit:** PATH, Subway and Bus.
- **(U) Event Security:** NYPD monitoring.
- **(U) State / Federal Posture:**
 - (U) NYC Emergency Management:** Monitoring at **Steady State**
 - (U) NY State Office of Emergency Management:** Monitoring level to be determined next week

(U//FOUO) Outlook for 2018 NYC Pride Week:

- **(U//FOUO)** As of 12 June 2018, the intelligence community has no information to indicate a specific, credible threat to or associated with the 2018 New York City Pride Week.
- **(U//FOUO)** Unaffiliated lone offenders and HVEs are of concern due to their ability to remain undetected until operational; exploit increased crowd density to perpetrate a mass casualty event; and willingness to attack civilians / soft targets.
- **(U//FOUO)** Foreign terrorist organizations remain intent on attacking Western targets and continue to call on individuals to conduct independent attacks in the United States using a variety of weapons and tactics, including improvised explosive devices (IEDs) and small arms.

FEMA Region II Actions

(U) In the event of an incident, FEMA has the primary responsibility for the coordination of federal emergency planning. Response planning will be led by FEMA Region II, which will coordinate federal response to, and recovery from, an incident in connection with this event.

(U) FEMA RII Watch Center will remain at **Steady State**.

(U) FEMA RII Watch Center will coordinate with NY State Emergency Management, NYC EM, NYPD, Federal partners and stakeholders to facilitate inter-agency support and provide situational awareness.

(U//FOUO) If applicable, FEMA RII Watch will monitor and provide all DHS required updates via Homeland Security Information Network (HSIN).

(U) 49th NYC Pride Parade June 24, 2018 – Route**(U) PRIDE Parade**

- Begins at 12:00pm

**(U) FEMA Region II Impacts**

(U) An act of terror has the potential to cause:

- **(U)** FEMA RII RRCC Level 1 Activation with ESF Support. (Potential staffing shortages)
- **(U)** Limited access to 1WTC offices and IOF at 26 Federal Plaza.
- **(U)** Mass casualties.
- **(U)** Closure of major roadways, rail lines, subways, bridges, and/or tunnels.
- **(U)** Overwhelmed local healthcare facilities.

(U) Regional Watch Center Recommendations

(U) Continue coordination with NYSOEM, NYCEM, NYPD & govt. agencies & stakeholders.

(U) RII Staff review Special Events Plan.

(U) RII Staff validate access to Homeland Security Information Network (HSIN).

(U) Prepare mission assignments for assets that may be requested in no notice event.

(U) RII Staff validate Emergency Notification System information and DTS availability.

(U) RII Staff review pre-identified RRCC staff and Liaisons placed "on-call"

*On call personnel must remain available & capable to respond to IOF, RRCC or regional operations center within 2 hours of notification (or as soon as possible) in the event of an activation. Source(s): Derived from multiple sources.