Senior Leadership Briefing
Post-Tropical Cyclone Irma

Sunday, September 17, 2017 (5:00 a.m. EDT)

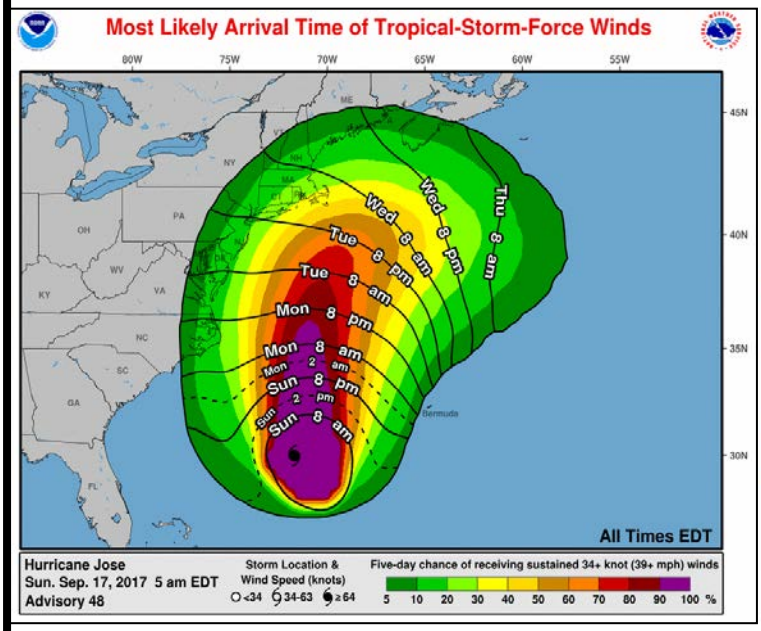
Updates in Blue

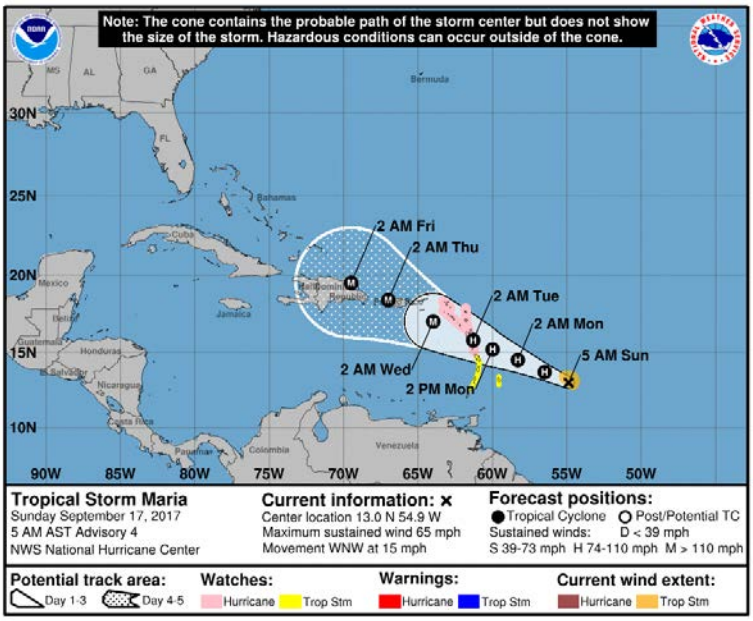
Current Situation:

Florida Flooding: Portions of several rivers in Florida will continue to experience major flooding into next week. Record flooding is not anticipated. Isolated showers and thunderstorms will be possible across the state through Tuesday. Widespread heavy rainfall is not expected. Heat indices will reach into the mid-90s to near 100 degrees each afternoon.

Hurricane Jose: At 5:00 a.m. EDT, Hurricane Jose was located 420 miles south-southeast of Cape Hatteras North Carolina with maximum sustained winds of 80 mph. Jose is moving toward the north near 8 mph, and this general motion with a slight increase in forward speed is expected through early Tuesday. Jose is forecast to remain a Hurricane through early Tuesday. While Jose is currently forecast to remain offshore of the U.S. coast from Virginia northward to New England, the large cyclone could cause some direct impacts to these areas and any deviation to the left of the NHC forecast track would increase the likelihood and magnitude of those impacts.

Tropical Storm Maria: At 5:00 a.m. EDT, Tropical Storm Maria was located 460 miles east-southeast of the Lesser Antilles with maximum sustained winds of 65 mph. Maria is moving toward the west-northwest near 15 mph and this motion with a further reduction in forward speed is expected over the next couple of days. On the forecast track, the center of Maria will be near the Leeward Islands Monday night. Maria will likely become a Hurricane later today. Maria could affect the U.S. Virgin Islands and Puerto Rico by mid-week as a dangerous major hurricane, and hurricane watches will likely be issued today. *(NOAA Update, September 17, 2017, 5:00 a.m. EDT)*





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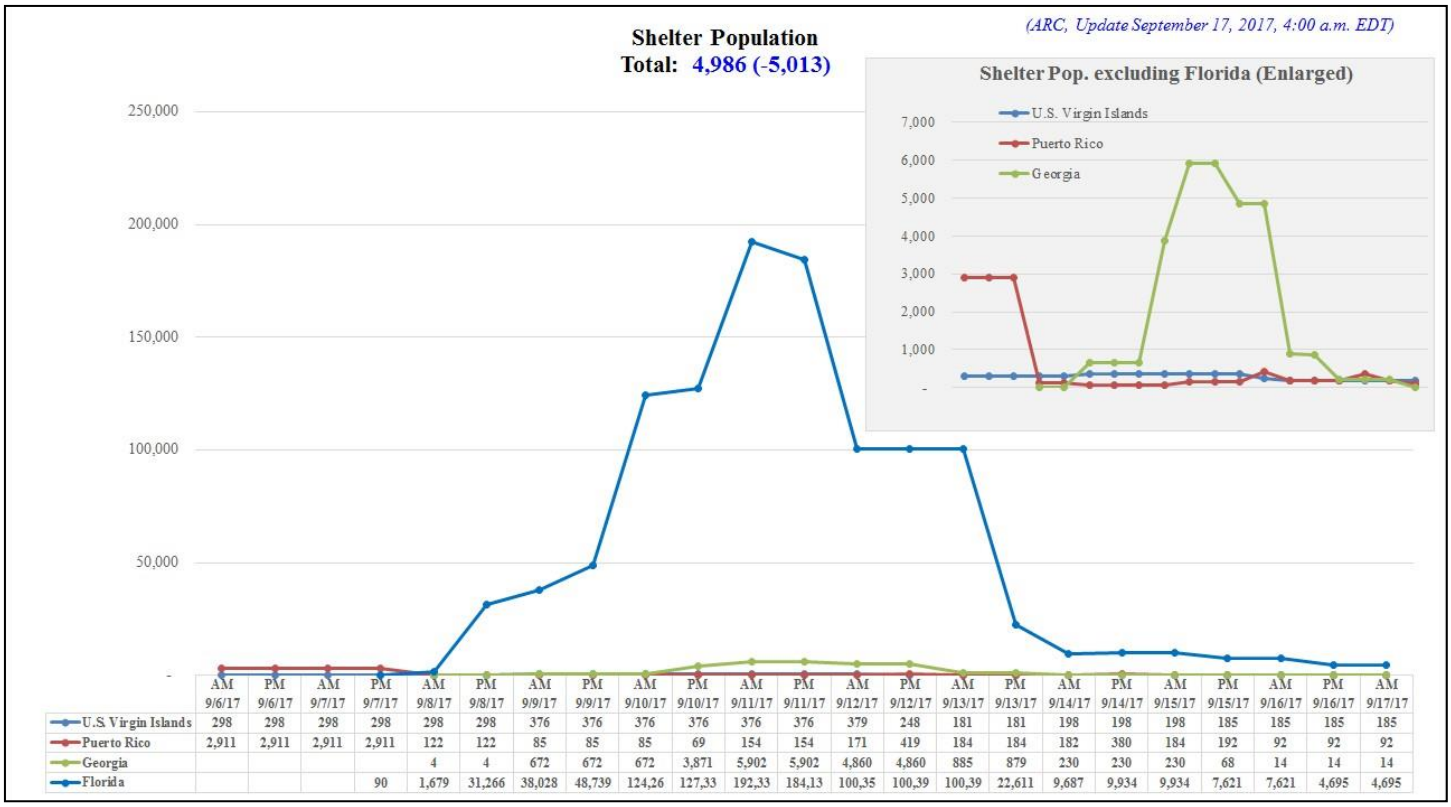
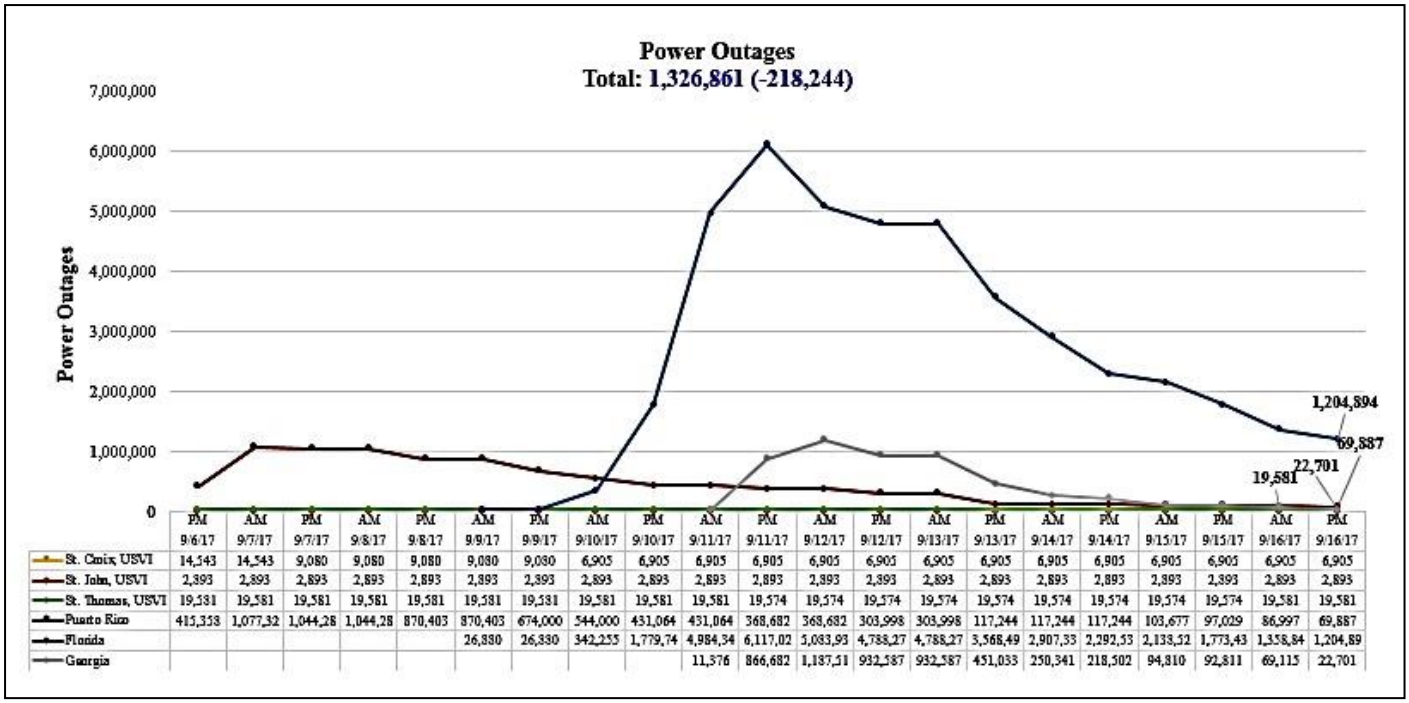
Impact Summary:

Population Impacts						
State/ Tribe	**Confirmed Fatalities**	**Shelters / Population**	**Customer Power Outages**	**Hospitals**	**Evacuations**	**Other**
USVI	5	Shelters: 5 (+1) Pop: 255 (+70)	St. Thomas - 19,581 St. John - 2,893 St. Croix - 6,905	1 closed	No orders	Curfew on St. Thomas and St. John in effect from 6:00 p.m. EDT to 10:00 a.m. EDT;
PR	3	Shelters: 4 (0) Pop: 184 (+92)	69,877 (-17,100)	All open	No orders	IA/PA applicant briefings are scheduled to begin on 9/19/17
FL	34	Shelters: 70 (-12) Pop: 4,532 (-136)	1,204,894 (-357,802)	9 (-1) hospitals closed Long-term facilities: 8 (-1) closed Dialysis Centers: 54 closed	6 Counties Mandatory 5 Counties Voluntary	Boil water notices remain in effect at 289 locations Resident re-entry to the Lower Keys/Key West scheduled for 7:00 a.m EDT September 17
Seminole Tribe	0	Shelters: 3 (-1) Pop: 27 (-11)	There are still cell/radio/power issues in all areas	Not Reported	No orders	
GA	4 confirmed; 1 unconfirmed	Shelters: 1 (0) Pop: 35 (+21)	22,701 (-40,472)	Hospitals: 2 closed Long-term facilities: 0 closed Dialysis: 2 closed	No orders	Joint IA PDAs ongoing; PA PDAs scheduled to begin 9/19 for the 159 GA counties requested
As of:	*September 16 5:00 p.m.*	*September 17 4:00 a.m.*	*September 16 12:59 p.m.*	*September 17 12:20 a.m.*	*September 16 10:00 a.m.*	*September 16 8:00 p.m.*

**Reporting threshold is greater than 1% of population (HHS-APR Report, ESF-6, ESF-8, ESF-12, RIV, Tribal Affairs Liaison, FL Division of Emergency Management, FL Department of Education, FL Department of Management Services, FL State Emergency Response Team COP)*



	AM 9/6/17	PM 9/6/17	AM 9/7/17	PM 9/7/17	AM 9/8/17	PM 9/8/17	AM 9/9/17	PM 9/9/17	AM 9/10/17	PM 9/10/17	AM 9/11/17	PM 9/11/17	AM 9/12/17	PM 9/12/17	AM 9/13/17	PM 9/13/17	AM 9/14/17	PM 9/14/17	AM 9/15/17	PM 9/15/17	AM 9/16/17	PM 9/16/17	AM 9/17/17
U.S. Virgin Islands	298	298	298	298	298	298	376	376	376	376	376	376	379	248	181	181	198	198	198	185	185	185	185
Puerto Rico	2,911	2,911	2,911	2,911	122	122	85	85	85	69	154	154	171	419	184	184	182	380	184	192	92	92	92
Georgia					4	4	672	672	672	3,871	5,902	5,902	4,860	4,860	885	879	230	230	230	68	14	14	14
Florida				90	1,679	31,266	38,028	48,739	124,26	127,33	192,33	184,13	100,35	100,39	100,39	22,611	9,687	9,934	9,934	7,621	7,621	4,695	4,695



	PM 9/6/17	AM 9/7/17	PM 9/7/17	AM 9/8/17	PM 9/8/17	AM 9/9/17	PM 9/9/17	AM 9/10/17	PM 9/10/17	AM 9/11/17	PM 9/11/17	AM 9/12/17	PM 9/12/17	AM 9/13/17	PM 9/13/17	AM 9/14/17	PM 9/14/17	AM 9/15/17	PM 9/15/17	AM 9/16/17	PM 9/16/17
St. Croix, USVI	14,543	14,543	9,080	9,080	9,080	9,080	9,080	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905	6,905
St. John, USVI	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893	2,893
St. Thomas, USVI	19,581	19,581	19,581	19,581	19,581	19,581	19,581	19,581	19,581	19,581	19,574	19,574	19,574	19,574	19,574	19,574	19,574	19,574	19,574	19,581	19,581
Puerto Rico	415,358	1,077,32	1,044,28	1,044,28	870,403	870,403	674,000	544,000	431,064	431,064	368,682	368,682	303,998	303,998	117,244	117,244	117,244	103,677	97,029	86,997	69,887
Florida						26,880	26,880	342,255	1,779,74	4,984,34	6,117,02	5,083,93	4,788,27	4,788,27	3,568,49	2,907,33	2,292,53	2,138,52	1,773,43	1,358,84	1,204,89
Georgia										11,376	866,682	1,187,51	932,587	932,587	451,033	250,341	218,502	94,810	92,811	69,115	22,701

(ESF-12 Update, September 16, 2017 12:59 p.m. EDT)

Infrastructure Impacts

State/ Tribe	Air	Ports	Transit	Roads	Fuel/Gas	Water
USVI	Cyril E. King Airport on St. Thomas open for military, relief, and small commuter aircraft from St. Croix Commercial flights to start	Closed: Fredericksted, due to security issue/ broken fence Open with restrictions: Redhook (St. Thomas), Cruz Bay (St. John), and Christiansted (St. Croix) All others open	Public transit not operational in St. Thomas and St. John; Ferry service between St. Thomas and St. John has not reopened	Minimal damage in St. Croix and major damage in St. John; difficult to assess damage in St. Thomas due to downed power lines and debris	Normal supply chain operational	Six of eight municipal wastewater treatment plants in service; plant in St. Thomas is pumping water and filling tanks; Four of 15 sanitary pump stations in St. Thomas and St. John not in service
PR	All major airports open	All ports open	Ferry: Relief services only in Culebra; full service in Vieques Rail: Tren Urbano operational Bus: Operational daily	All major roads open with no damage reported; all active construction resumed September 14	No concerns	Drinking and wastewater treatment plants at normal operations
FL	Naples, Key West, and Marathon International open to emergency ops only; all other major airports open	Open with restrictions: Key West	Commuter rail service closed; Amtrak Service restored in Jacksonville FL; Public transit limited or suspended in Miami-Dade, Key West, and Lee Counties	I-75, I-10, and I-95 open; several US routes are closed in areas due to flooding. US-1 to Key West reopened September 17 for responders and residents only	50% of state's retail stations have gas and power, 25% do not, 25% unknown	Boil water notices in effect for 40 (-1) counties
Seminole Tribe	N/A	N/A	N/A	Not Reported	Not Reported	Boil water notice
GA	All major airports open	All ports open	Coastal Regional Commission service remains suspended; re-entry not allowed in several counties	No significant weather-related road closures	Some fuel outages reported throughout GA	Six community water systems without power or on back-up generators; approximately 49 counties under boil advisory
As of:	*September 16 9:50 a.m.*	*September 16 9:50 a.m.*	*September 16 7:36 p.m.*	*September 17 12:38 a.m.*	*September 16 12:00*	*September 16 12:05 a.m.*

(ESF-1, USCG, RII, RIV, ESF-12, Tribal Affairs Liaison, DOE Sit Rep Updates, FL Department of Health, GA Public Broadcasting, Waste Management

Declaration Activity:

State/Region	Declaration	Declared Counties		
		Individual Assistance	Public Assistance	Cost Share
Region II				
Puerto Rico	9/10: *DR-4336*	4 municipalities	27 (0) municipalities	75%
U.S. Virgin Islands	9/7: *DR-4335*	St. Thomas; St. John	All (Categories A-G)	90% (Cat A); 100% (Cat B) for 30 days, 90% thereafter; 75% (Cat C-G)
Region IV				
Georgia	9/15: *DR-4338*	3 counties	All	75%
Alabama	9/11: *EM-3389*		All 67 counties and Poarch Band of Creek Indians	75%
Florida	9/10: *DR-4337*	48 (0) counties	All 67 counties	75% 100% (Cat B) for 30 days
Seminole Tribe of Florida	9/8: *EM-3388*	-	Whole Tribe	75%
South Carolina	9/7: *EM-3386*	-	All 46 counties and Catawba Indian Nation	75%

(FEMA Declarations Unit, September 17, 2017 3:07 a.m. EDT)

Federal Force Laydown:

Department/Agency	Personnel Deployed		Department/Agency	Personnel Deployed	
FEMA – Deployed	**2,530**	**(-205)**	National Weather Service- NOAA	**44**	**(0)**
FEMA – Other Support	**592**	**(0)**	National Guard Title 32	**9,434**	**(-4,289)**
Urban Search & Rescue	**175**	**(0)**	DOD – Title 10	**6,098**	**(-46)**
Health and Human Services	**813**	**(0)**	General Services Administration	**20**	**(-8)**
Department of Transportation	**26**	**(0)**	U.S. Army Corps of Engineers	**382**	**(+3)**
United States Coast Guard	**853**	**(0)**	Department of the Interior	**202**	**(+9)**
DHS – NPPD	**5**	**(0)**	USDA - U.S. Forest Service	**119**	**(+22)**
Department of Energy	**0**	**(-12)**	Small Business Administration (SBA)	**44**	**(0)**
US Department of Agriculture	**11**	**(0)**	Transportation Security Administration	**284**	**(0)**
Law Enforcement (ESF 13)	**693**	**(+12)**	Housing and Urban Development	**0**	**(0)**
Customs and Border Protection	**175**	**(0)**	Department of State	**0**	**(0)**
Civil Air Patrol	**220**	**(0)**	Environmental Protection Agency (EPA)	**171**	**(0)**
Immigration and Customs Enforcement	**0**	**(0)**	**Totals**	**22,891**	**-4,514**

(Situational Awareness Info Analysis, September 17, 2017, 3:36 a.m. EDT)

FEMA Headquarters:

- National Response Coordination Center at Level I day shift, Level II night shift *(Amendment #9 to Operations Order 14-2017, September 16, 2017, 1:30 p.m. EDT)*
- National Incident Management Assistance Team (IMAT) East-2 is at the FL Emergency Operations Center (EOC), and National IMAT East-1 is at Dania Beach, FL (Branch V Initial Operating Facility) *(NWC Update, September 16, 2017, 6:46 p.m. EDT)*
- **Recovery**

State/Territory	Total Individual Assistance Registrations	% of Projected Total Registrations	% of Total Households in Disaster Area
Region II			
U.S. Virgin Islands	3,329 (+291)	64%	76.2%
Puerto Rico	2,790 (+118)	33.2%	39.5%
Region IV			
Florida	558,201 (+58,890)	60.1%	8.2%
Georgia	1,018 (+1,018)	8.8%	0.7%

(FEMA IA email Update, September 17, 2017, 1:23 a.m. EDT)

- Strategic Workforce Augmentation Team taking calls at three NPSCs, FEMA pop-up call centers, Headquarters, all FEMA Regions, and from home; 4,015 call center agents available to receive calls September 17 *(Open Disaster Summary, September 16, 2017, 11:26 p.m. EDT)*
- 264 (0) Disaster Survivor Assistance (DSA) cadre members deployed/deployed pending check-in and training *(DSA Cadre Management Section Update, September 16, 2017, 7:19 a.m. EDT)*
- Temporary Housing Strategy: Transitional Sheltering Assistance for 4337-FL has been activated for the counties declared for Individual Assistance. There are 202,214 households eligible, and 4,125 households are currently checked in (11,502 individuals) *(Transitional Sheltering Assistance Summary, September 16, 2017, 11:16 p.m. EDT)*

- **Federal Insurance and Mitigation Administration**
  - FIMA has received over 15,000 (0) flood insurance claims as of September 16

USVI	PR	FL	GA	SC
28 (0)	4	Over 12,500 (0)	1,400 (0)	Over 1,400 (0)

(FIMA Update, September 16, 2017, 1:46 p.m. EDT)

- **Mutual Aid**

Region	Jurisdiction	# of Request(s)	# of States Supporting
II	USVI	15 (0)	5 (0)
IV	FL	150 (0)	33 (0)

(EMAC Sit Rep #48, September 16, 2017, 8:00 p.m. EDT)

FEMA Region II:

- Regional Response Coordination Center (RRCC) at Level II (Partial Activation) day shift, Level III (Partial Activation) night shift with ESF-3 and ESF-5 supporting *(RII DSAR, September 16, 2017, 4:00 p.m. EDT)*
- FEMA Region II IMAT in St. Croix, USVI
- FEMA Region X IMAT in PR
- Region II Caribbean Area Division working from Continuity of Operations (COOP) site *(RII DSAR, September 16, 2017, 4:00 p.m. EDT)*
- **U.S. Virgin Islands:** EOC at Full Activation, state of emergency remains in effect, and Federal Coordinating Office is William Vogel and on site in St. Croix *(RII DSAR, September 16, 2017, 4:00 p.m. EDT)*
- **Puerto Rico:** EOC at Full Activation, state of emergency remains in effect, and FCO is Alejandro De La Campa *(RII DSAR, September 16, 2017, 4:00 p.m. EDT)*
- All non-essential FEMA personnel and ESF responders will evacuate from the USVI to Atlanta, GA to be ready to redeploy post landfall. Preparatory actions include:
  - All in flow deployments to PR and USVI halted
  - Two 777 aircraft (one from PR, one from St. Croix) will evacuate approximately 600 non-essential federal responders to Atlanta, GA on September 18
  - A 737 aircraft will serve as an air bridge to bring personnel from St. John and St. Thomas to San Juan, PR
  - The FCO and Region II IMAT will remain on St. Croix during the storm; VA-TF-1 will remain in San Juan, PR
  - All other personnel staying required to be identified, approved and accounted for by the IMAT *(Region II Update, September 17, 2017, 3:37 a.m. EDT)*

FEMA Region IV:

- RRCC at Level II (Partial Activation, 24/7)
- HQ National Tribal Affairs Advisor on site at RIV RRCC supporting communications to four tribes outside of FL affected by Irma *(FEMA Tribal Affairs Update, September 16, 2017, 12:14 p.m. EDT)*
- Region IV IMAT-1 and Region I IMAT at FL EOC and Region IV IMAT-2 at GA EOC *(RIV Update, September 16, 2017, 1:00 p.m. EDT)*
- Region IV Liaison Officers (LNOs) at FL, SC, GA, AL, and Seminole Tribe EOCs (1 each) *(National Watch Center, September 14, 2017, 8:15 a.m. EDT)*
- **Florida**
  - EOC at Full Activation; state of emergency remains in effect for 67 counties
  - FEMA Joint Field Office will be established in Orlando, address to be determined *(RSS Update, September 17, 2017, 12:00 a.m. EDT)*

- FEMA Disaster Recovery Center is open in St. Johns County *(RIV Trifold, September 16, 3:45 p.m. EDT)*
- Miccosukee Tribe: Two EOCs at Full Activation *(FEMA Tribal Affairs Update, September 16, 2017, 12:14 p.m. EDT)*

- **Seminole Tribe of Florida:**
  - EOC at Full Activation (24/7, all ESFs supporting)
  - FEMA Planner, Tribal LNO, Operations, and Logistics teams on site; communications personnel transitioned back to FL EOC *(FEMA Tribal Affairs Update, September 16, 2017, 12:14 p.m. EDT)*
- **Georgia:** EOC at Partial Activation; FCO is Thomas J. McCool *(FEMA update, September 16, 7:36 p.m. EDT)*

Interagency Coordination/Response:

- ***ESF-1: Transportation***
  - USVI/PR:
    - ESF-1 coordinating with Federal Aviation Administration on the relocation and protection of the mobile air traffic control tower at St. Thomas airport in advance of Hurricane Maria arrival *(ESF meeting, September 16, 2017, 11:00 p.m. EDT)*
    - Federal Highway Administration (FHWA) approved emergency relief funds for USVI and PR *(ESF-1 Update, September 16, 2017, 11:47 a.m. EDT)*
  - FL/CONUS:
    - FHWA approved emergency relief funds for FL *(ESF-1 Update, September 16, 2017, 11:47 a.m. EDT)*
    - Port of Key West open with restrictions, expected to be lifted September 18; Training Ship (TS) Empire State scheduled to enter port at approximately 9:00 a.m. EDT September 17 to provide lodging for 600 responders *(ESF-1 Update, September 16, 2017, 11:06 a.m. EDT)*
    - U.S. Army Corps of Engineers (USACE) soliciting contract for removing vessels from Key West Channel *(ESF-3 Update, September 16, 2017, 2:00 p.m. EDT)*
    - Key West International Airport running low on jet fuel; inspection of pipeline completed, results with projected operational status expected September 18 *(ESF-1 Update, September 16, 2017, 11:47 a.m. EDT)*
- ***ESF-2: Communications***
  - USVI/PR:
    - Majority of the cell coverage in the USVI remains down
      - St. Thomas 77% loss
      - St. John 90% loss
      - St Croix 23% loss *(ESF-2 Update, September 16, 2017, 5:05 a.m. EDT)*
    - One Mobile Communications Office Vehicle (MCOV) en route to St. Thomas will remain on the SS Wright until Tropical Storm Maria passes *(ESF-1 Update, September 16, 2017, 11:00 p.m. EDT)*
    - Two Maynard Mobile Emergency Response Support (MERS) command vehicles, personnel, and 400+ radios arrived in St. Thomas *(ESF-2 Update, September 16, 2017, 10:24 a.m. EDT)*
    - Two satellite communication sleds supporting Environmental Protection Agency (EPA) voice, internet, and data connections expected to arrive in St. Croix September 18 *(ESF-2 Update, September 16, 2017, 11:56 a.m. EDT)*
  - FL/CONUS:
    - Communication towers down in FL Keys; U.S. Coast Guard Cutter Hamilton remains in Key West to support and provide offshore communications, harbor security, and search and rescue *(USCG Update, September 16, 2017, 1:21 p.m. EDT)*
    - Comcast opened 137,000 hotspots for public access in Florida through September 20; processing 10,000 hotspots for Georgia and 6,000 for South Carolina *(ESF-2 Update, September 16, 2017, 10:58 a.m. EDT)*
- ***ESF-3: Public Works and Engineering***
  - USVI/PR:
    - USACE pausing operations USVI and PR in anticipation of Tropical Storm Maria
      - Key personnel in the USVI and PR will shelter in place; USACE exploring options to move some personnel to USS Kearsarge *(ESF-3 Update, September 17, 2017, 1:25 a.m. EDT)*
      - USACE preliminary assessments indicate over 90% of 50,000 structures in St Thomas and St. John damaged
    - Movement of 31 generators to USVI via barge from Joint Base McGuire-Dix-Lakehurst paused due to Tropical Storm Maria *(ESF-1 Update, September 16, 2017, 11:00 p.m. EDT)*

- Timeline for debris removal operations estimated to commence October 1 for St. Thomas and October 8 for St. John *(RII Rolling Summary, September 17, 2017, 3:29 a.m. EDT)*
- Temporary Housing Requirements/"Blue Roof" Mission:
  - Estimated 6,000-7,000 structures will need Blue Roofs; 33 crews on site on St. Thomas; 800-1,000 structures will need Blue Roofs with five crews on site on St. John
  - Once base camp established; will be able to install approximately 300 roofs per day
  - 25 PR National Guardsmen trained for roofing assessments and installation *(ESF-3 Update, September 16, 2017, 12:45 p.m. EDT)*

- FL/CONUS:
  - Temporary Housing Requirements/Blue Roof Mission:
    - Temporary roofing installations began September 16 in Naples, FL; first installation complete
  - Opened first two ROE (Right-of-Entry) permit collection centers in Clewiston and Lakeland, FL *(ESF-3 Update, September 16, 2017, 12:45 p.m. EDT)*

- ***ESF-4: Firefighting***
  - USVI/PR: National Incident Management Organization (NIMO) Incident Management Team (IMT) deployment to USVI to assist with management of state EOC delayed due to lack of commercial flights, now expected to arrive September 18 barring potential complications from Tropical Storm Maria weather system *(ESF-4 Update, September 16, 2017, 11:00 a.m. EDT)*
- ***ESF-5: Information and Planning***
  - National Oceanic and Atmospheric Administration (NOAA) National Geodetic Survey: Completed surveys for St. Thomas, St. John, and Big Cypress Indian Reservation (near lake Okeechobee, FL) *(NOAA Update, September 16, 2017, 1:54 p.m. EDT)*
  - Civil Air Patrol (CAP): Continuing active operations in FL, GA, SC and PR *(CAP Update, September 16, 2017, 1:34 p.m. EDT)*
- ***ESF-6: Mass Care, Emergency Assistance, Housing, and Human Services***
  - USVI: Voluntary Agency Liaisons (VALs) and CONUS-based non-governmental organizations deployed to USVI are identifying contingency plans related to impending arrival ofTropical Storm Maria.
  - FL:
    - Adventist Community Services is establishing distribution sites in Miami, Orlando, and Ft. Myers
    - All Hands Volunteers mobilized personnel and equipment in order to respond to Hurricane Irma in South FL *(ESF-6 Update, September 17, 2017, 1:30 a.m. EDT)*
- ***ESF-7: Logistics Management and Resource Support***
  - FEMA has shipped 11,378,503 meals, 78 generators and 7,293,528 liters of water in to FL, GA, PR, and USVI *(ESF-7 Update, September 17, 2017, 1:00 a.m. EDT)*
  - USVI/PR:
    - Maritime Sea Bridge:
      - Ships delivering commodities may need to divert due to incoming Tropical Storm Maria, including:
        - 1.68M liters of water, 10,000 cots, and 31 generators on Conquistador barge estimated to arrive in PR September 19
        - Jacksonville Barge expected to arrive in USVI September 18 with 5 million liters of water and 1.2 million meals *(Region II IAB, September 17, 2017, 2:11 a.m. EDT)*
    - Air Bridges:
      - Three flights planned over September 16 and 17 from Dallas, TX to San Juan, PR to transport commodities
      - ESF-7 scheduling airlifts to bring 310,000 meals from Atlanta, GA to San Juan, PR; estimates it will take three flights to deliver all meals *(ESF-7, September 16, 2017, 1:54 p.m. EDT)*
    - SS Wright will provide berthing support for responders but will delay its arrival to St. Thomas due to the potential impact from Tropical Storm Maria; ship will remain at sea until the storm passes *(ESF-1 Update, September 16, 2017, 11:00 p.m. EDT)*
    - Coordinating with ESF-11 to determine availability of food in PR schools, potential need for meal support due to Tropical Storm Maria *(ESF-7, September 16, 2017, 1:16 p.m. EDT)*
  - FL/CONUS:
    - Propane for feeding kitchens in Naples, FL awarded to vendor; tanks filled as of September 16 *(ESF-7, September 16, 2017, 1:16 p.m. EDT)*

- Commodities Subject Matter Expert (SME) overseeing set up and initial operations of Points of Distribution (PODs) for life-sustaining commodities for Seminole Tribe *(ESF-3 Update, September 16, 2017, 12:45 p.m. EDT)*

- ***ESF-8: Public Health and Medical Services***
  - USVI/PR:
    - St. Thomas dialysis center is not serviceable per Army Corps assessment; establishing wrap-around services at shelters for dialysis patients and ASPR and Schneider Medical Center are developing a long term plan to replace hospital facility *(ESF-8 Update for Interagency VTC, September 16, 2017, 12:30 p.m. EDT)*
    - All St. Thomas dialysis patient evacuees will be moved to sheltering locations on south end of PR September 17; treatments will resume September 18 and 19
    - Medical Reserve Corps unit in PR (MRCPR) providing medical and supportive care for patients/evacuees on dialysis *(ESF-8 Update, September 15, 2017, 12:30 p.m. EDT*
- ***ESF-9: Search and Rescue***
  - Florida:
    - One Urban Search and Rescue (US&R) team remains in FL Keys; FL released all Federal US&R resources effective September 17 at 10:00 a.m. EDT *(ESF-9 Update, September 16, 2017,6:00 p.m. EDT)*
  - USVI/PR:
    - Demobilization orders for some US&R resources in San Juan, PR are rescinded in anticipation of Tropical Storm Maria. VA-TF1 (Type 1 US&R task force), one Mission Ready Package-Live Find Canine (MRP-LF) from CA-TF6, two Mission Ready Packages-Logistics from MA-TF1 and the Red US&R Incident Support Team (IST) Advance element will remain in station. All resources will remain staged in San Juan, PR *(ESF-9 Update, September 16, 2017, 6:00 p.m. EDT)*
- ***ESF-10: Oil and Hazardous Materials Response***
  - USVI/PR:
    - Joint U.S. Coast Guard National Strike Force and U.S. Environmental Protection Agency (EPA) team executing hazmat and oil response operations in St. Thomas and St. Croix. A five-person boat crew with a shallow water boat and truck arrived in St. Thomas via C-130 aircraft. There are approximately 1,000 boats reported off their moorings, grounded, or sunk around St. John and St. Thomas *(ESF-10 Update, September 16, 2017 9:00 p.m. EDT)*
  - FL/CONUS:
    - Completed assessments of 160 of 215 facilities prioritized by the FL EOC
    - EPA granted "No Action Assurance" (NAA) letter for import of donated power generators for use in communities in FL impacted by Hurricane Irma *(ESF-10 Update, September 16, 2017, 1:45 p.m. EDT)*
- ***ESF-11: Agriculture and Natural Resources***
  - One animal assessment team arrived in St. Thomas, and another arrived in St. John on September 16 *(ESF-11 Update, September 16, 2017, 10:09 p.m. EDT)*
- ***ESF-12: Energy***
  - USVI: Power restoration efforts: Department of Energy's Western Area Power Administration (WAPA) deployment of crews, equipment, and materials to USVI postponed until Tropical Storm Maria passes *(ESF-12 Email Update, September 17, 2017, 2:12 a.m. EDT)*
  - PR: Puerto Rico Electric Power Authority (PREPA) reporting 4.4% (0) of customers without power; estimates power restoration for 97% of customers island-wide between September 20 and 22
  - FL:
    - Expediting fuel to priority gas stations; situation improving daily as fewer stations running out of fuel
    - Utilities estimate power restoration to most of the west coast of FL by September 22 and to the east coast by September 17; Florida Power and Lights has restored power to over 89% (0) of affected customers

- ***ESF-13: Public Safety and Security***
  - ESF-8 and ESF-13 personnel relocating from USVI to San Juan, PR September 17 and will return to USVI after Tropical Storm Maria passes; all in flow of personnel to USVI and PR postponed until after Maria passes *(DOD email update, September 16, 2017, 10:23 p.m. EDT)*
- ***ESF-15: External Affairs***
  - Priorities: Amplifying assistance to individuals and planning for the anticipated impact of other storm systems in the Atlantic
  - Social Media:
    - Addressing continued public concerns around 2-3 hour wait times for FEMA 1-800 number
    - FL Keys: Residents anxious to return home; concern regarding lack of infrastructure on islands to sustain returning residents
    - USVI/PR: Increasing concern over Tropical Storm Maria hitting areas already affected by Irma *(ESF-15 Update, September 17, 2017, 10:33 p.m. EDT)*
- ***U.S. Department of Defense (DOD)***
  - U.S. Northern Command (USNORTHCOM):
    - USNORTHCOM coordinating with FEMA to determine airlift requirements to move responders and equipment by September 17 in preparation for Tropical Storm Maria
    - U.S. Army Area Support Medical Company (ASMC) and U.S. Air Force Ground Surgical Team (GST) established operations on St. Thomas September 16; Ground Surgical Team will be fully operationally September 17; preparing to shelter in place for Tropical Storm Maria
    - USS Kearsarge Amphibious Ready Group (ARG) activities focused on route clearance and commodity distribution in St. Thomas, St. John, and St. Croix; transitioning mission to National Guard elements and will begin to move away from the storm path on/around September 17
  - Defense Logistics Agency (DLA): DLA has been Mission Assigned to provide 82 generators to FL; the last 40 of the 82 generators arrived September 16
  - U.S. Transportation Command (USTRANSCOM): Two C-17 aircraft transporting USACE Mobile Communication Vehicles arrived on St. Croix September 16 *(DoD Update, September 17, 2017, 12:07 a.m. EDT)*
- ***National Guard***
  - Approximately 100 National Guardsmen from New York are postured to depart to USVI to provide additional security capabilities to assist local Law Enforcement authorities on St. Thomas and St. John; departure postponed until Tropical Storm Maria passes *(NGB Update, September 17, 2017, 1:01 a.m. EDT)*
- ***U.S. Coast Guard (USCG)***
  - Communication towers down in FL Keys; U.S. Coast Guard Cutter Hamilton remains in Key West to support and provide offshore communications, harbor security, and search and rescue *(USCG Update, September 16, 2017, 1:21 p.m. EDT)*
- ***U.S. Department of the Interior (DOI)***
  - In preparation for Tropical Storm Maria, U.S. Geological Survey (USGS) prepositioning assets in PR including storm surge and rapid deployment gauges to support water-level measurements and flood forecasting
  - USGS completed surge sensor retrieval on September 16 along the GA and SC coasts; surge sensor retrieval continues for Florida *(DOI Update, September 17, 2017, 12:51 a.m. EDT)*
- ***U.S. Customs and Border Protection (CBP)***
  - USVI/PR: 20 CBP officers and five CBP Agriculture Specialists supporting business reconstitution and resumption of trade and commerce
  - FL/CONUS: MQ-9 Predator unmanned aerial vehicle collecting imagery of FL Keys to assist local, state, and Federal search and rescue efforts *(CBP Update, September 16, 2017, 1:43 p.m. EDT)*
- ***U.S. Department of State (DOS)***
  - No longer running evacuation flights for U.S. citizens from St. Martin as commercial operations starting to reopen; DOS Hurricane Task Force (provides disaster support to U.S. citizens abroad) now on standby for incoming weather patterns *(DOS Update, September 16, 2017, 12:12 p.m. EDT)*
  - DOS South Africa Deputy Chief of Mission offered shelter tents from South African company; currently evaluating request *(FIAA Update, September 16, 2017, 3:46 p.m. EDT)*

Commodities Tables

- The following commodities have been ordered by and shipped to the State or Territory:

Total

Product Class	Total Items Shipped to State/Territory
Blanket	34,635
Commodities Used in Sheltering Items & Services (CUSI)	207
Cot	15,553
Generators	78
Hygiene	25,001
Meal	11,378,503
Sheeting	51,698
Tarp	55,245
Water	7,294,528

Virgin Islands

VI	Ordered Qty	Shipped to State/Territory Qty
CUSI	63	15
Cot	450	150
Generators	29	0
Hygiene	0	1
Meal	2,041,596	1,609,177
Sheeting	84	13,722
Tarp	0	150
Water	659,918	126,900

Puerto Rico

PR	Ordered Qty	Shipped to State/Territory Qty
Cot	2,150	3,057
Gen	4	4
Water	3,600	3,600

Florida

FL	Ordered Qty	Shipped to State/Territory Qty
CUSI	10,000	11,750
Cot	90	192
Generator	5,624	6,068
Hygiene	138	74
Meal	25,000	25,000
Sheeting	6,875,058	9,166,182
Tarp	38,785	37,976
Water	27,118	28,393

Georgia

GA	Ordered Qty	Shipped to State/Territory Qty
Blanket	15,425	22,885
Cot	12,700	12,505
Meal	610,992	603,144
Tarp	27,928	26,702
Water	917,280	874,320

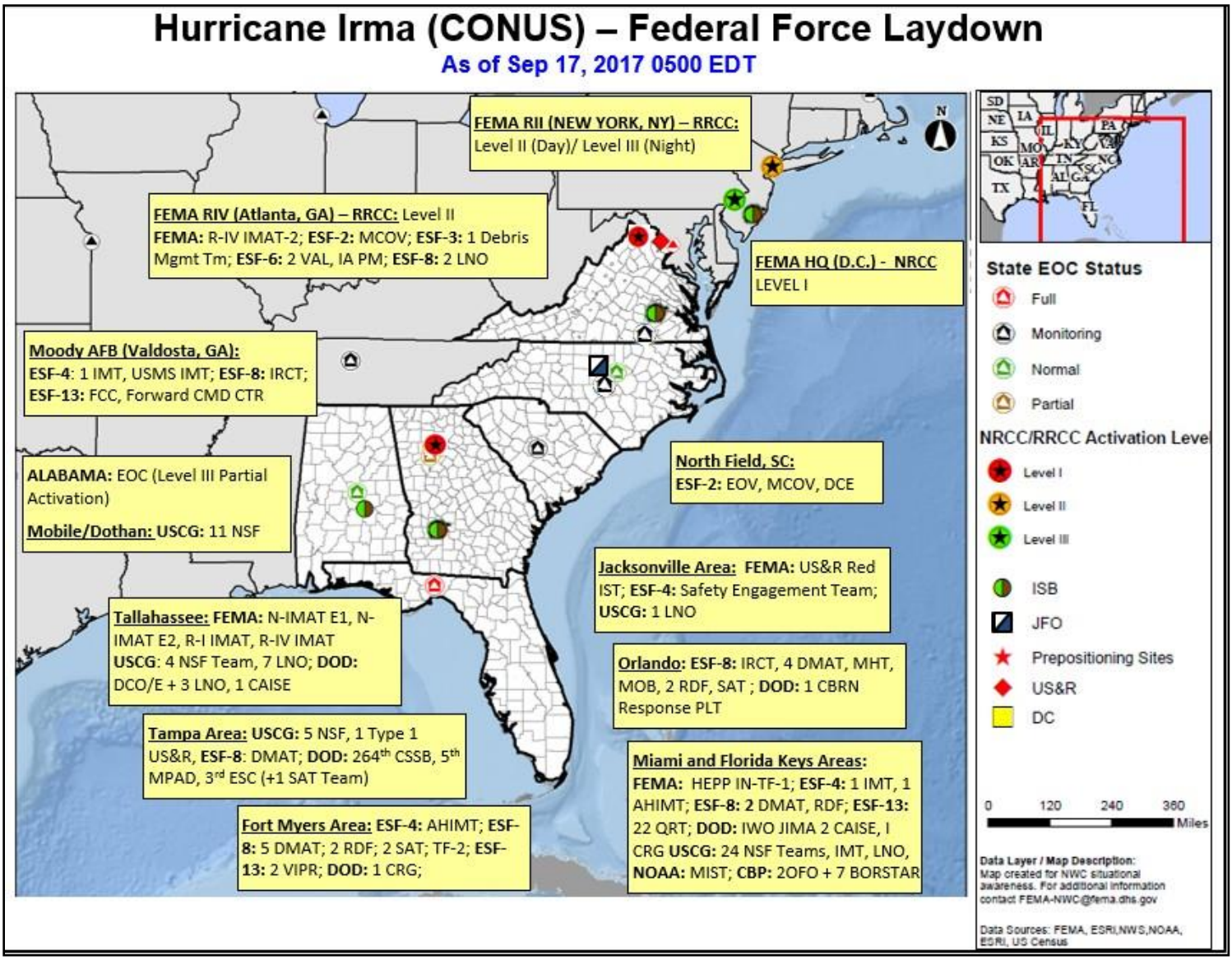
(ESF-7 Update, September 17, 2017, 1:00 a.m. EDT)

- The following commodities are prepositioned in support of the incident; summaries for Ordered, Arrived, and Shipped are cumulative over the entire incident

Product Class	Ordered to FEMA Staging Sites Qty	Arrived at FEMA Staging Sites Qty	Shipped from FEMA Staging Sites* Qty	Available at FEMA Staging Sites** Qty
Blanket	123,051	128,684	134,559	53,873
CUSI	1,040	396	705	306
Cot	38,237	34,073	41,215	18,901
Generators	743	640	670	86
Hygiene	75,001	75,001	75,001	104,369
Meal	49,621,874	31,411,910	32,592,422	9,684,645
Sheeting	128,421	45,918	66,680	19,741
Tarp	303,489	290,116	304,834	79,959
Water	44,765,286	34,378,825	36,742,828	17,713,981

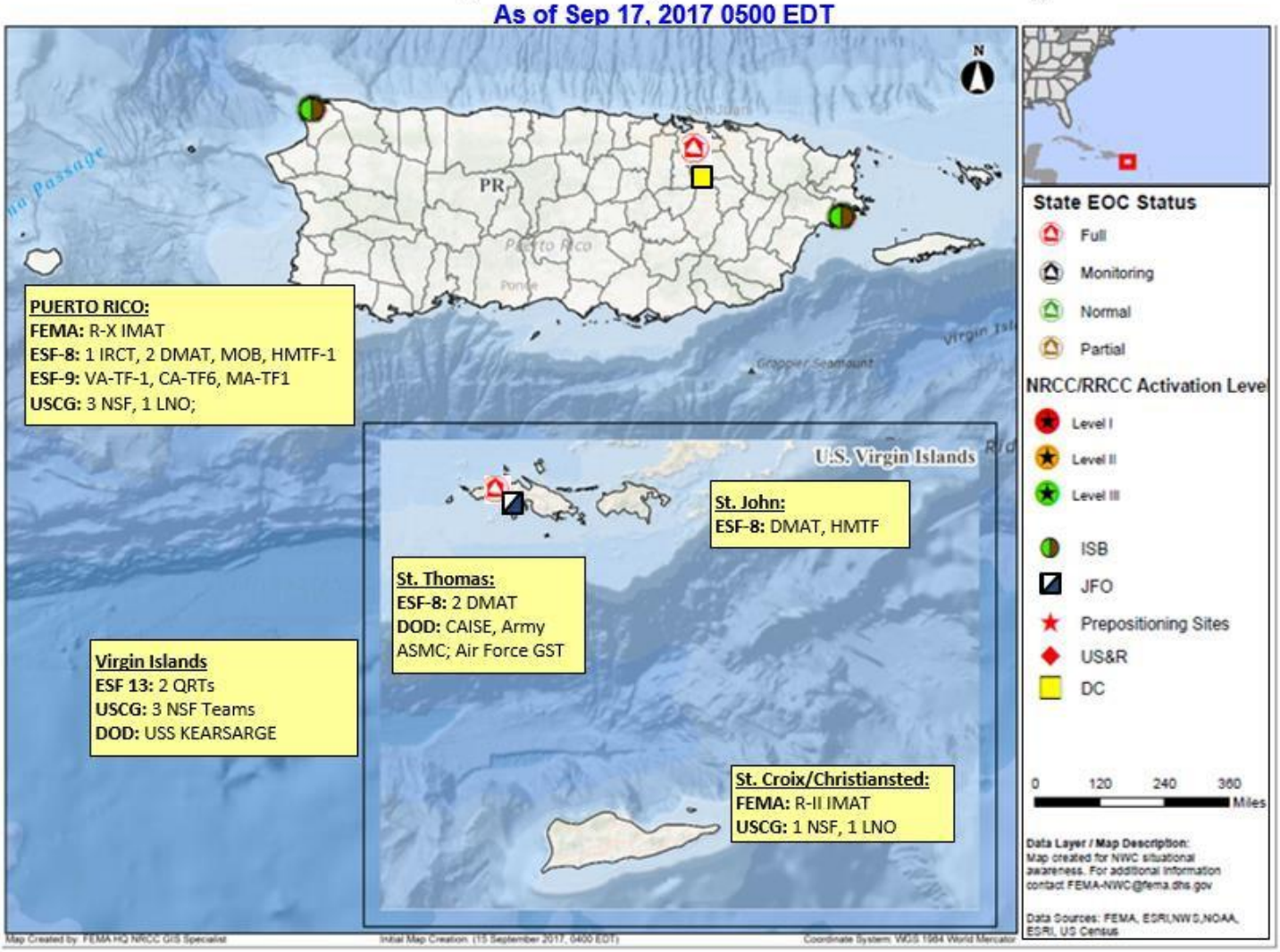
*Summary of all commodities shipped from FEMA Staging Sites to State/Territory Sites or other FEMA Staging Sites in support of Irma operations.
** Summary of all commodities at FEMA Staging Sites that are not allocated to fulfill an outbound order to another FEMA or State/Territory facility.

(ESF-7 Update, September 16, 2017, 1:00 p.m. EDT)



Hurricane Irma (OCONUS) – Federal Force Laydown

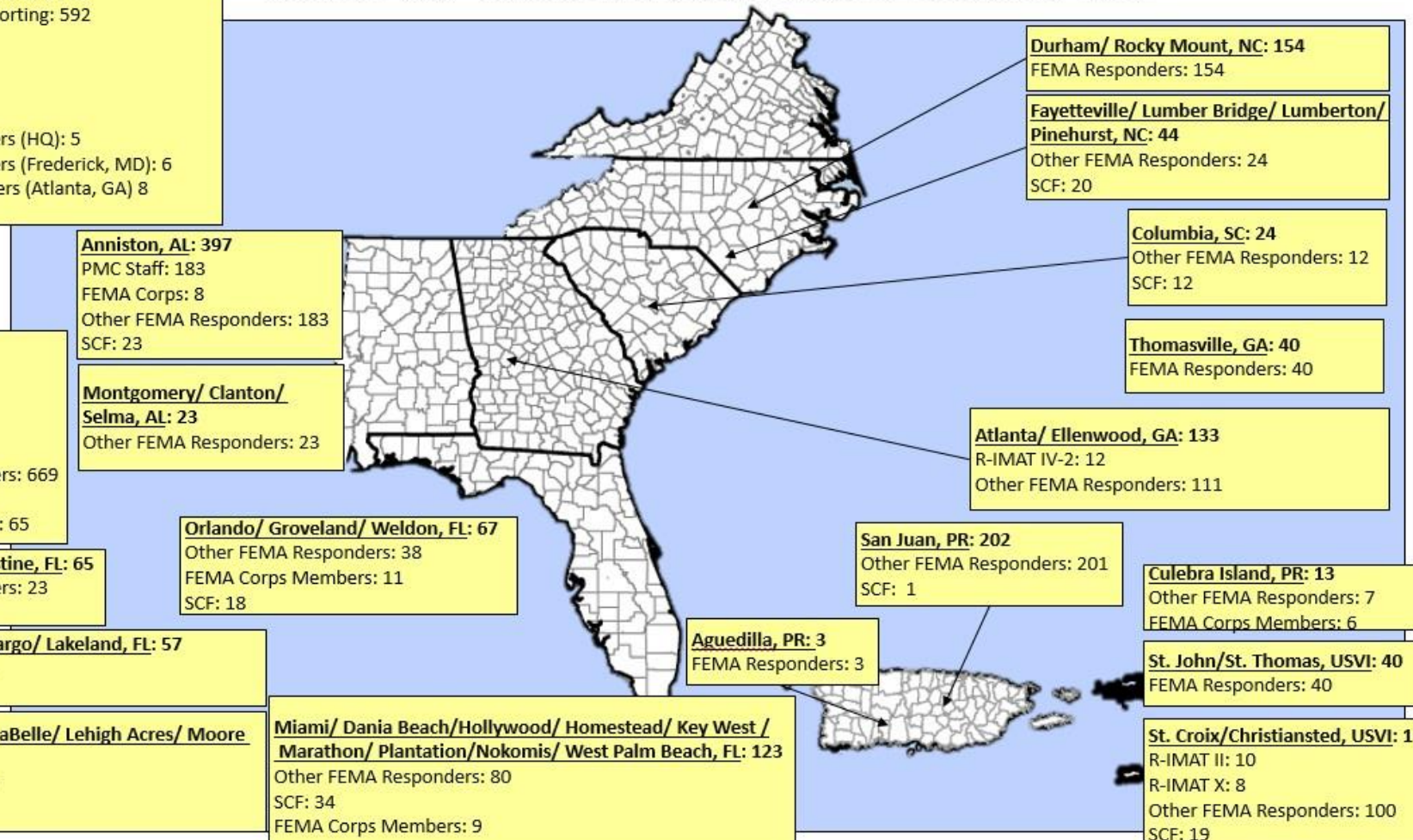
As of Sep 17, 2017 0500 EDT



Hurricane Irma – FEMA Responder Laydown (as of Sep 17, 2017 0200)

Total FEMA Supporting Hurricane Irma Actions

Responders on the Ground: 2530
Other FEMA staff supporting: 592
- R1 RRCC: 13
- R2 RRCC: 93
- R4 RRCC: 133
- NRCC: 334
- FEMA Corps Members (HQ): 5
- FEMA Corps Members (Frederick, MD): 6
- FEMA Corps Members (Atlanta, GA) 8



Durham/ Rocky Mount, NC: 154
FEMA Responders: 154

Fayetteville/ Lumber Bridge/ Lumberton/ Pinehurst, NC: 44
Other FEMA Responders: 24
SCF: 20

Columbia, SC: 24
Other FEMA Responders: 12
SCF: 12

Thomasville, GA: 40
FEMA Responders: 40

Atlanta/ Ellenwood, GA: 133
R-IMAT IV-2: 12
Other FEMA Responders: 111

Anniston, AL: 397
PMC Staff: 183
FEMA Corps: 8
Other FEMA Responders: 183
SCF: 23

Montgomery/ Clanton/ Selma, AL: 23
Other FEMA Responders: 23

Tallahassee, FL: 956
N-IMAT E1: 27
N-IMAT E2: 27
R-IMAT I: 12
R-IMAT IV-1: 11
Other FEMA Responders: 669
SCF: 145
FEMA Corps Members: 65

Jacksonville/ St Augustine, FL: 65
Other FEMA Responders: 23
SCF: 42

Orlando/ Groveland/ Weldon, FL: 67
Other FEMA Responders: 38
FEMA Corps Members: 11
SCF: 18

Tampa/ Bradenton/ Largo/ Lakeland, FL: 57
FEMA Responders: 28
SCF: 29

Naples/ Fort Myers/ LaBelle/ Lehigh Acres/ Moore Haven, FL: 52
FEMA Responders: 16
SCF: 36

Miami/ Dania Beach/Hollywood/ Homestead/ Key West / Marathon/ Plantation/Nokomis/ West Palm Beach, FL: 123
Other FEMA Responders: 80
SCF: 34
FEMA Corps Members: 9

Aguedilla, PR: 3
FEMA Responders: 3

San Juan, PR: 202
Other FEMA Responders: 201
SCF: 1

Culebra Island, PR: 13
Other FEMA Responders: 7
FEMA Corps Members: 6

St. John/St. Thomas, USVI: 40
FEMA Responders: 40

St. Croix/Christiansted, USVI: 137
R-IMAT II: 10
R-IMAT X: 8
Other FEMA Responders: 100
SCF: 19

Recovery Snapshot
Post-Tropical Cyclone Harvey
Sunday, September 17, 2017 (5:00 a.m. EDT)
Updates in Blue

HOUSING

Individual Assistance

Individual Assistance *(as of 09/16/2017, 11:26 pm EDT)*				
State	**Total Registrations**	**Total Individuals & Households Program Approved**	**Housing Assistance Approved**	**Other Needs Assistance Approved**
Texas	756,291	$ 461,363,323	$ 311,233,056	$150,130,266

FEMA Home Inspections

Housing Inspections *(as of 09/16/2017, 11:26 pm EDT)*				
State	**Inspectors with Work**	**Inspections Issued**	**Inspections Complete**	**% Complete**
Texas	2,040	483,267	148,737	30.7%

Transitional Shelter Assistance (TSA)

Transitional Sheltering Assistance *(as of 09/16/2017, 11:26 pm EDT)*		
State	**Households Currently Checked In to Hotel**	**Currently Eligible**
Texas	23,219	300,884

National Flood Insurance Program Claims Estimates

NFIP Claims Estimate *(as of 09/16/2017, 11:26 pm EDT)*		
State	**Claims Submitted**	**Advanced Payments to Insured Survivors**
Texas	85,900	$334M
Louisiana	460	$664,000

SBA Home Loans

SBA Home Loans *(as of 09/16/2017, 11:26 pm EDT)*					
State	**Applications Received**	**% Processed**	**Applications Approved**	**Loan $ Approved**	**Average Loan Amount**
Texas	28,791	60%	2,569	$217,727,900	$84,752

US Department of Housing and Urban Development (HUD) (No change from 9/13/2017)

Hurricane Harvey - Texas	Number of Properties in Impacted Area	Displaced (# of Beds for Healthcare - Hospital)	Displaced (# of Household for Public & Indian Housing - Multifamily Housing)	Returned or Permanently Housed (# of Households/Beds)
Multifamily Housing	454	0	2,146	0
Public and Indian Housing	42	0	358	0
Healthcare and Hospitals	40	994	0	492
Total	536	994	2,504	492

INFRASTUCTURE SYSTEMS

- **Aviation:** 63 FAA employees continue to report impacts from the flooding; eleven employees are living in temporary quarters
- **Highway**
  - In response to FEMA Mission Assignment; FHWA provided a Public Affairs subject matter expert to staff ESF-15 at Texas Joint Field Office; support will continue part-time and remotely
  - FHWA-TX Division engineers (9); Houston (5), Yoakum (2), and Corpus Christi (2); engineers began completing damage assessments jointly with TX DOT staff
- **Maritime**
  - TS Kennedy in Corpus Christi, providing berthing support for responders *(JFO Report, September 17, 2017, 4:00 a.m. EDT)*
  - TS General Rudder in Galveston, TX providing berthing support for responders
  - Port of Beaumont remains closed to ship traffic; barge traffic is authorized
- **Pipeline/HAZMAT:** Shell Oil confirmed its pipeline did not experience a release; the Zydeco pipeline returned to normal service
- **Rail:** Impacted railroads have re-established critical infrastructure and have restarted most operations with no reportable injuries

ECONOMIC RECOVERY

- **Small Business Administration**

SBA Business Loans *(as of 09/16/2017, 11:26 pm EDT)*

State	Applications Received	% Processed	Applications Approved	Loan $ Approved	Average Loan Amount
Texas	1,857	62%	209	$18,905,400	$90,456

- **USDA Natural Resources Conservation Service (NRCS)** *(no change from 9/14/2017, reporting will shift to data during the week of 9/18/2017)*
  - Two special Environmental Quality Incentives Program (EQIP) sign-ups are being offered in Texas
  - $2 million approved for animal carcass disposal assistance following the standards and specification of Emergency Animal Mortality Management
  - $35 million requested for conservation practices to address hurricane impacts

- **USDA Risk Management Agency (RMA)**
  - Due to the destruction of communication lines and the limited ability to travel in the impacted areas, many USDA RMA policyholders are unable to communicate with their agents to report losses within the Common Crop Insurance Policy, Basic Provisions 72 hour requirement
  - RMA authorized Approved Insurance Providers to consider individual circumstances in accepting delayed notices of loss; initial reportable numbers are not yet available.

- **Agricultural Marketing Service's Cotton and Tobacco Program:**
  - Estimating a 25% loss of cotton due to the storm damage and some impacts of quality loss to the seed cotton exposed to flooding and water damage