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From: EOC_Deputy_Manager
Sent: Sun 9/10/2017 3:07:48 PM
Subject: Hurricane Irma/Harvey: PCC Meeting and Conference Call
[Hurricane Irma EPA Region 4 SITREP04 2017 0910 final morning \(1\).pdf](#)
[09102017 0700 Update \(1\).pdf](#)
[hurricaneirma_sitrep_4 \(1\).pdf](#)
[Hurricane Irma Draft Management Objects 090717 .docx](#)
[Harvey Irma Policy Coordinating Committee Agenda 090917.docx](#)
[DHS Component Actions - Hurricane IRMA - Straits of Florida \(0600 ET 10 Seppdf](#)
[FEMA SLB Irma and Harvey Sept 10 0500 \(1\).pdf](#)

Hi everyone,

In order to increase awareness of this call, the HQ EOC is sending this email reminder of today's PCC Call, scheduled for 1:00 PM ET today. Attached please find the latest regional reporting, FEMA senior leadership brief, agenda and management objectives.

Thank you.

Call in number:

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Access Code:

From: EOC_Deputy_Manager

Sent: Monday, August 28, 2017 3:59 PM

To: EOC Documentation; Jackson, Ryan; Cheatham, Reggie; Breen, Barry; Bowman, Liz; Grantham, Nancy; Wagner, Kenneth; Lyons, Troy; Greenwalt, Sarah; Shapiro, Mike; Coleman, Sam; Gray, David; Edlund, Carl; Heard, Anne; Kaplan, Robert; Rodrigues, Cecil; Kelly, Albert; Brown, Byron; Washington, Tiffeny; Simon, Nigel; Davis, Patrick; Brooks, Becky; Armstead, John A.; Melvin, Karen; Richardson, RobinH; Clark, Becki; Forsgren, Lee; Indermark, Michele; Smith, Monica; Carroll, Craig; Kling, David; Shaw, Betsy; Kavlock, Robert; Minoli, Kevin; Fotouhi, David; Hill, Franklin; Irizarry, Gilberto; Webster, James; Badalamente, Mark; Starfield, Lawrence; Yamada, Richard (Yujiro); Morales, Oscar; Peterson, Mary; Beck, Nancy; Guerriero, Margaret; Ballotti, Doug; Borries, Samuel; Prince, John; Mosher, Eric; Mears, Mary; Drazan, Dan

Cc: Flynn, Mike; Gross, Bonnie; Glenn, Onis; Jenkins, Brandi; Cory, Preston (Katherine); Newton, Cheryl; Dorsey, Claudette; Veal, Lee; Moore, Tony; EOC_Manager,; Mike Kohlflynn; Leonard, Paul; Falvo, Nicholas; Rodan, Bruce; Grevatt, Peter; McCabe, Catherine; Fonseca, Silvina; Levine, Carolyn; Price, Lisa; Snowbarger, Robert; ronheard@yahoo.com; Edwards, Jonathan; Opalski, Dan; Perovich, Gina; Lincoln, Larry

Subject: Hurricane Irma/Harvey: PCC Meeting and Conference Call

When: Sunday, September 10, 2017 1:00 PM-2:00 PM.

Where: DCRoomARNB431/Executive-Conference-Room

Call in number:

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Please note that additional materials will be added to the invite to provide additional situational awareness prior to the call. **Update:** We have included the most recent regional reporting for both Harvey and Irma.

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Hurricane Harvey/Irma Policy Coordinating Committee

Agenda

September 10, 2017

Opening Remarks Ryan Jackson

Barry Breen

Situational Updates

For each situational update would you please address the following topic areas in addition to Regional/Program specific highlights:

What are you being asked to do/support from our Federal, State and Local partners?

- Are there actions you are considering leaning forward on to address a need or expedite our response activities?
- Are there program policy, legal, or resource issues impacting your operations?

Region 2

Region 4

Region 3

OPA

OLEM

Harvey Update

Region 6

General Discussion

Next Meeting



Hurricane Harvey 2017
9/10/2017 – 0700 CDT Update

EXECUTIVE SUMMARY

- Office of Emergency Management Director Reggie Cheatham and OMB Budget Manager Jodi Beringer will visit the Region 6 Emergency Operations Center and ASPECT aircraft during scheduled maintenance in Addison today, September 10, 2017. They will travel to Houston on Monday, September 11, 2017 to tour EPA's command post, the Houston laboratory, TAGA mobile laboratory and the San Jacinto Waste Pits Superfund site.
- Monitoring teams identified elevated readings of volatile organic compounds in the area between Pasadena Refining Systems, Inc. and Kinder Morgan's Pasadena Terminal near the Houston Ship Channel and have scheduled additional air monitoring by the TAGA in the area on September 10, 2017.
- EPA has confirmed 21 of the 39 disaster declaration counties are currently providing private well testing for area residents. Four counties are offering free testing. The other seventeen are providing low cost (\$16.50) well testing through the Department of Health. EPA is assessing if the remaining 18 counties need additional support.
- Community Liaison deployments continue to assist impacted counties by providing information about environmental and health challenges associated with returning to flood damaged homes.
- EPA shared approved fact sheets from TCEQ/EPA for returning residents to over 5,000 local, state, tribal and industry partners for further distribution.
- The Houston Branch and the Port Arthur/Beaumont Branch will both begin collection and staging of recovered orphan containers this week. Corpus Christi Branch is will complete reconnaissance activities within the next 10 days. Houston Branch is projected to complete these activities within 20 days and Port Arthur/Beaumont Branch within 30 days.
- As EPA prepares to complete response activities in different counties, a standardized procedure to formally close out with local officials (County Judge) will be completed prior to departure.

- EPA will complete sampling of the 43 Superfund sites potentially impacted by the storm by Tuesday. Preliminary analytical results should be available by Thursday. EPA continues to hear reports of sampling of Superfund site by the New York Times.
- EPA received an amendment to Mission Assignment 4332DR-TX-EPA-03 for an increase of an additional \$1.5 million on September 9, 2017.

PUBLIC AFFAIRS

EPA Liaison Officers will hold a meeting at Salt Lake Baptist Church in rural Rockport, Texas on September 10, 2017, to meet with residents and disseminate information about environmental and health challenges associated with returning to flood damaged homes.

A joint news release from EPA and TCEQ was issued on September 9, 2017 updating the public on the Hurricane Harvey overall response.

DEBRIS RECOVERY

The Dallas REOC has been staffed with a Debris Management Technical Expert who participates as a member of the FEMA Debris Task Force.

EPA currently has no mission assignment for debris recovery operations.

AIR MONITORING

The four EPA air quality technical specialists deployed to Houston conducted total volatile organic compounds (VOC) area monitoring in the Ship Channel area. They used a photoionization detector and a forward looking infrared radiometer camera to monitor areas downwind of four refining and terminal facilities. The team reported that the only VOC readings of significance were observed in the area between Pasadena Refining Systems, Inc. and Kinder Morgan. The team recommended additional TAGA monitoring in that area. If TAGA identifies elevated levels of VOCs of benzene, personnel will conduct site specific evaluations.

EMERGENCY RESPONSE

Daily/Cumulative Summary of Hazard Evaluations/Recovery				
Status	Opened		Closed	
	9/9/2017	Number of Targets Remaining Open	9/9/2017	Cumulative
Corpus Christi Branch	5	31	0	89
Houston Branch	22	233	1	47
Port Arthur/Beaumont Branch	8	56	0	7
NRC Reports	0	3	0	0
TOTALS	35	323	1	143
Note: Open means the target is yet to be recovered. Closed means the target was recovered/left in place or access was denied to collect the item.				

Daily/Cumulative Summary of Spills/Discharges (NON-VESSELS)				
Status	Opened		Closed	
	9/9/2017	Number of Facilities/Spills Remaining Open	9/9/2017	Cumulative
Corpus Christi Branch	0	14	1	34
Houston Branch	2	52	1	27
Port Arthur/Beaumont Branch	2	19	0	7
NRC Reports	1	131	5	44
TOTALS	5	216	7	112

Daily/Cumulative Summary of VESSELS				
Status	Opened		Closed	
	9/9/2017	Number of Vessels Remaining Open	9/9/2017	Cumulative
Corpus Christi Branch	12	419	22	149
Houston Branch	2	53	0	10
Port Arthur/Beaumont Branch	33	39	1	3
NRC Reports	0	6	0	1
TOTALS	47	517	23	163

FIELD RESPONSE ACTIVITIES

FIELD TEAMS ON 9/9/2017				
Teams	Alpha	Bravo	Charlie	TOTAL
Hazard Evaluation	1	15	4	20
Oil Discharge Assessment	2	4	1	7
ER/Orphan Container Recovery	1	5	1	7
Oil/Vessel Recovery	4	0	0	4
Staging Areas	1	1	0	2
Air Operations	0	1	0	1
Air Monitoring	0	3	0	3
Water Infrastructure Assessment – Drinking Water	0	10	0	10
Water Infrastructure Assessment – Wastewater	0	5	0	5
TOTAL	9	44	6	59

CORPUS CHRISTI BRANCH:

An Oil Discharge Assessment Team completed waste oil removal operations onboard the Signet Enterprise. A total of 400 gallons of waste oil was removed. The Signet Enterprise still has ballast

water on board. The Oil Discharge Assessment Team will be on the scene tomorrow to oversee the removal of all ballast water and complete a final assessment of oil and hazardous substances on board the Signet Enterprise.

The Oil Discharge Recovery Group coordinated and monitored Responsible Party led removal operations in Island Moorings, Rattle Snake Point, Ingleside, Seadrift, Harbor of Refuge and Holiday Beach. In preparation of the signing of Unified Command approved vessel removal protocols, the teams within the Oil Discharge Recovery Group prioritized threats to the environment for removal.

	CONTAINERS			Cylinders	TOTAL
	Drums [55 gals]	Small Containers [<55 gals]	Large Containers [>55 gals]		
9/9/2017	17	5	0	1	23
TOTAL TO DATE	74	36	8	18	136

HOUSTON BRANCH:

Fifteen Hazard Evaluation (HE) Teams conducted and completed assessments in Brazoria, Matagorda and Harris Counties. A total of 23 new sites were identified.

HE Assessment Status: 100% complete in Liberty, Austin, Waller, Chambers, Montgomery, Fort Bend, Galveston, Bastrop, Lee, Fayette, Colorado, Wharton, and Walker Counties; 90% complete in Brazoria, Matagorda and Harris Counties.

The Air Recon Team conducted an aerial assessment of the mouth of the Colorado River to Highway 59, the beginning of the Old Brazos River and the Brazos River to Highway 59, St. Bernard River to Highway 59 and Chocolate Bayou to Highway 6. During the assessment, the Air Recon Team identified three new sites and reinvestigated a report of a sunken vessel in Texas City. The Air Recon Team was unable to identify the sunken vessel; however, the position was marked for future reassessment.

ASPECT conducted two flights to complete 100% of all targeted Risk Management Program, Drinking Water and Wastewater facilities in east Brazoria County and most of Galveston County.

Valero Houston Refinery's Tank #3, Tank #228 (pinhole leak) and barge loading areas are the only potential sources of VOCs. Valero has a contractor coming to degas Tank #3. The TCEQ/EPA personnel who visited Valero yesterday detected no strong odors coming off the #3 tank. TCEQ has no plans to do additional air monitoring unless a complaint is received. Valero is conducting daily perimeter and community air monitoring. Valero is to notify EPA/TCEQ of barge loading operations are conducted in case of citizen complaints.

PORT ARTHUR/BEAUMONT BRANCH:

The Branch secured the staging pad for future recovery operations. The pad was sampled yesterday, September 9, 2017, prior to any container storage.

The Inland HE Team assessed Lumberton, Hardin County. Heavy oil stains were seen on Cook's

Lake Road. An investigation revealed that three tanks with a total volume of 2,000 gallons had leaked. The team contacted the Responsible Party, who has initiated a cleanup. TCEQ will oversee this cleanup.

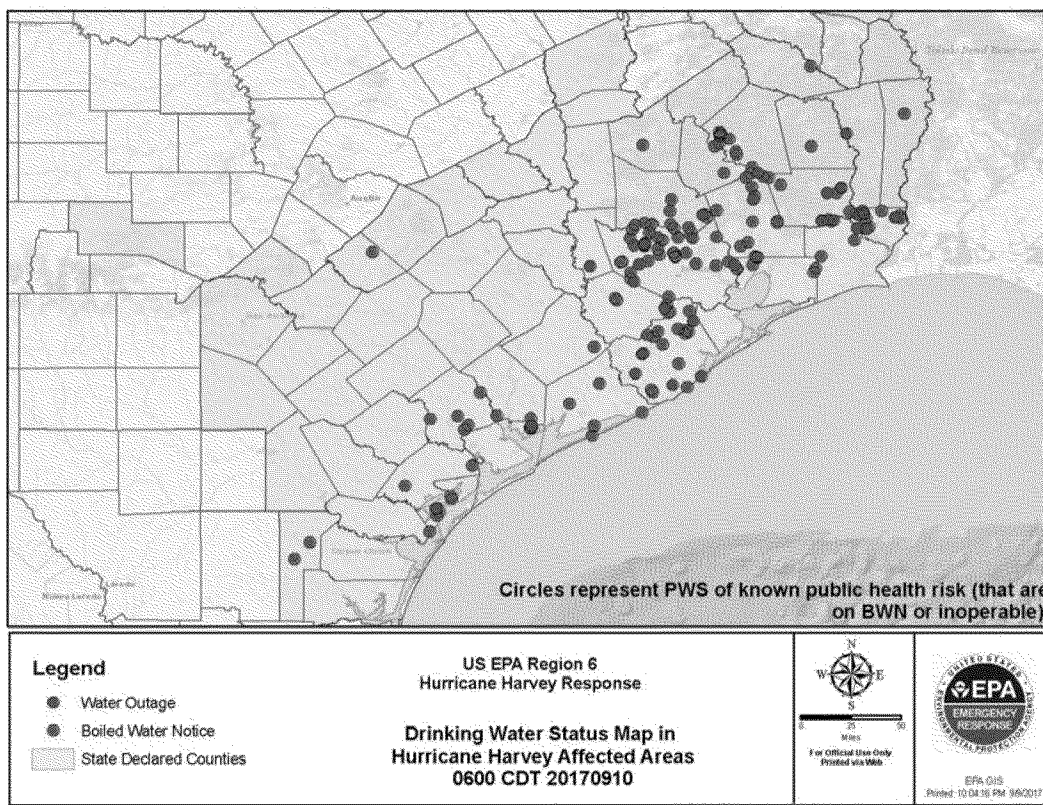
The Coastal HE Team investigated a citizen report of oil in Bessie Height Marsh, Jefferson County. The team identified fragmented sections of oil residue in a small area of marsh grass. There was no observed ongoing discharge. The team recorded the location and executed spill mitigation protocols.

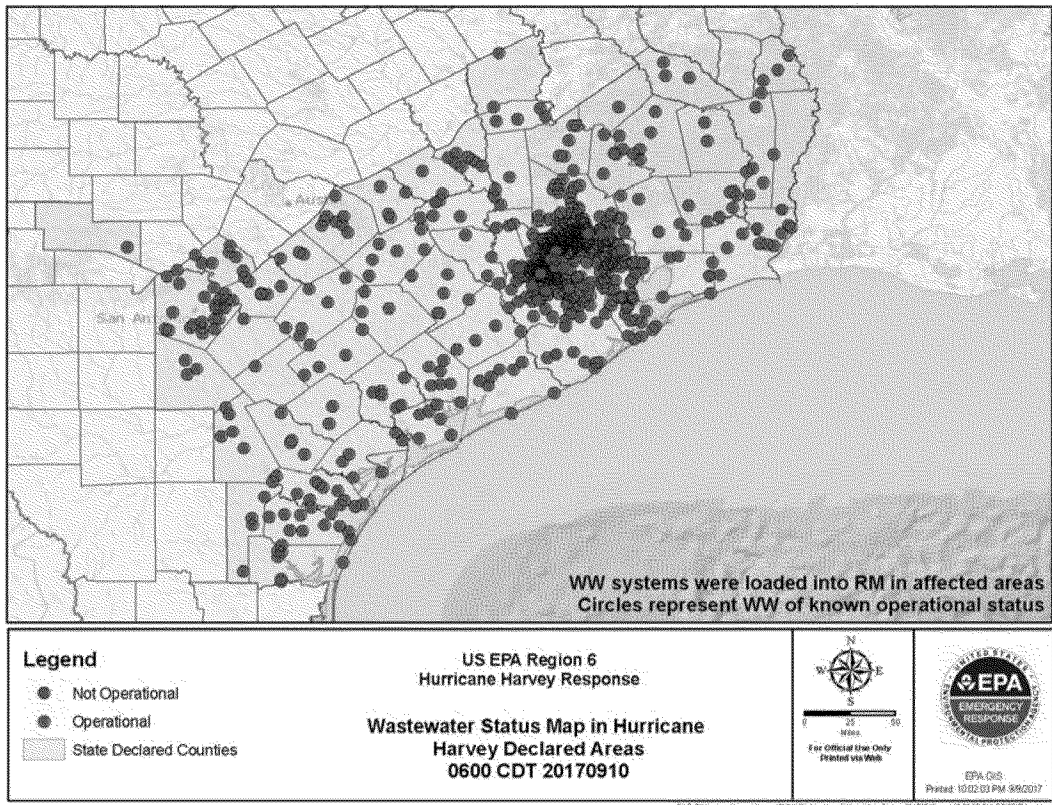
The Coastal HE Team also assessed four vessels at Angelet's Marina and 28 vessels at the Beaumont Yacht Club. There was no significant safety or environmental risks posed by the identified vessels.

DRINKING WATER / WASTEWATER ASSESSMENTS

EPA is providing support to TCEQ for drinking water and wastewater system assessments. Ten EPA personnel are conducting drinking water assessments in the Houston Branch, while an additional five personnel are conducting wastewater assessments.

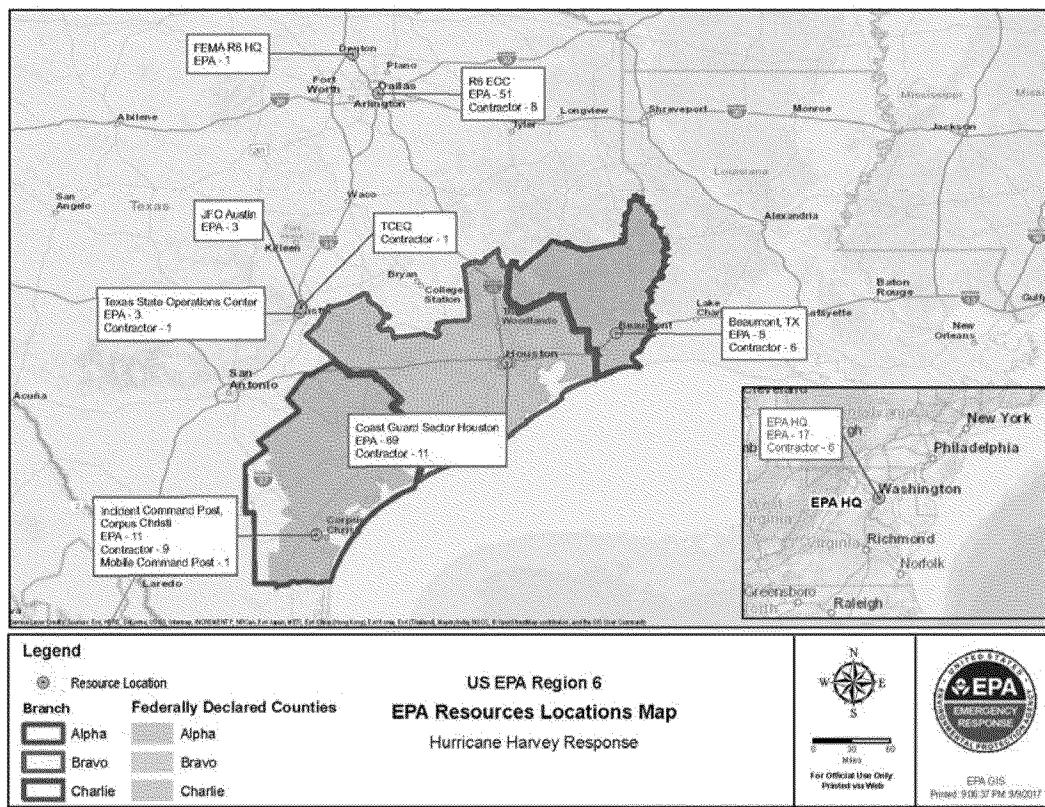
Drinking Water and Wastewater Assessments (September 9, 2017)		
Assessment Types	Daily Assessments	Total Assessments
On-Site DW Assessments	53	347
On-Site WW Assessments	26	237
Phone DW Assessments	331	5006
Phone WW Assessments	82	3026





EPA RESOURCES

Personnel	EPA Dallas, TX	FEMA Denton, TX	Texas JFO Austin, TX	Texas SOC Austin, TX	TCEQ Austin, TX	Houston, TX	Corpus Christi, TX	Beaumont, TX	HQ EOC, Wash, DC	TOTAL
EPA	51	1	3	3	0	69	12	8	17	164
START	8			1	1	11	9	6		36
ERRS						16	8	3		27
Other Contractors	1								6	7
TOTAL	60	1	3	4	1	96	29	17	23	234



FUNDING

September 9, 2017 – UPDATED 1700 hours

Funding Sources	Funding Ceiling	Funding Ceiling Less Indirect	Spent to Date	Remaining Balance	Daily Burn Rate	Days Remaining
Non Mission Assignment	N/A		\$64,200.00	\$0.00		
MA 4332DR-TX-EPA-01	\$275,000.00	\$242,741.00	\$27,664.00	\$215,077.00	\$2,848.00	75.52
MA 4332DR-TX-EPA-03	\$10,092,000.00	\$8,884,727.00	\$5,705,091.61	\$1,878,985.39	\$310,392.01	6.05
Totals	\$10,367,000.00	\$9,127,468.00	\$5,796,955.61	\$2,094,062.39		

Indirect costs represent the money the Cincinnati Shared Service Center takes off the top to manage the Mission Assignments.

REFINERIES/FUEL WAIVERS

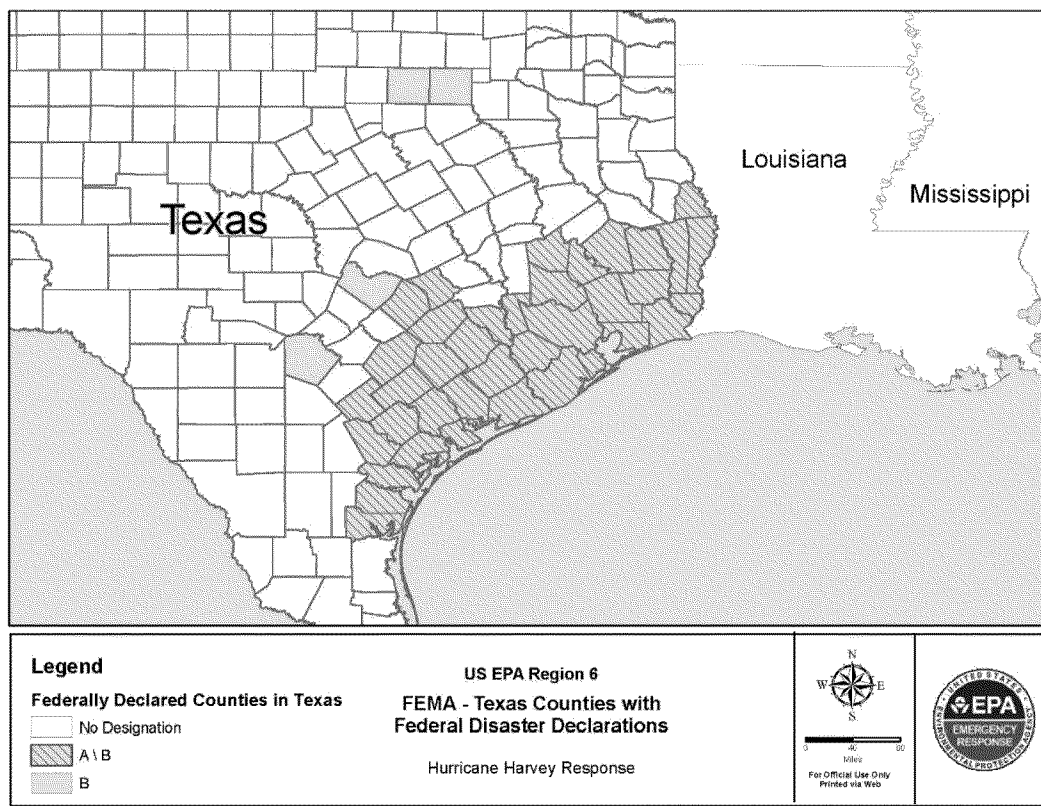
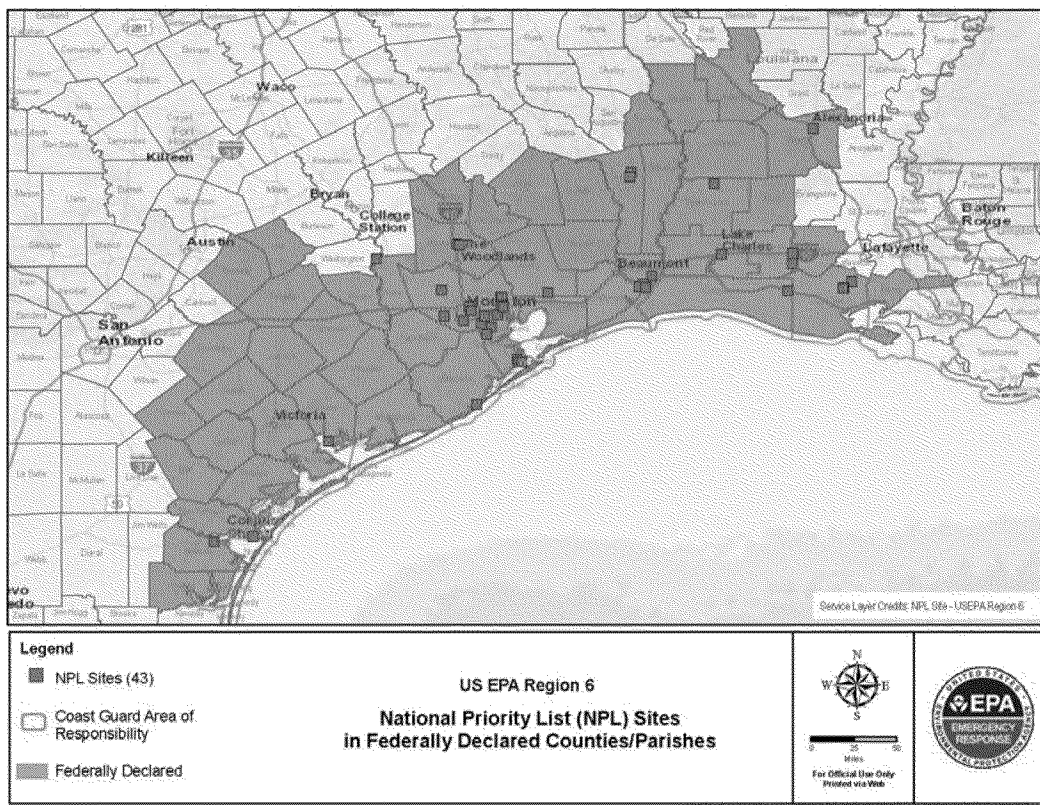
- EPA has extended the current multi-state fuel waiver to September 26, 2017.
- EPA has granted all open fuel waivers requested to date.
- EPA has issued a No Action Assurance for the Use of Vapor Recovery Systems in Texas Related to Hurricane Harvey (September 1, 2017). EPA will exercise its discretion not to

pursue enforcement for violations of the vapor recovery requirements for fuel loading and unloading under 40 CFR Part 60 Subpart XX and Part 63 Subparts, R, Y, CC, BBBB, and 30 Texas Administrative Code sections 115.212, .214.

- The Internal Revenue Service expanded the red dye fuel waiver to cover the entire state of Texas, not just the 110 counties as before.

FEDERAL SUPERFUND NPL SITES

- EPA directed potentially responsible parties or independently started collecting samples at 34 Texas Superfund Sites to confirm no releases due to storm impacts. Two EPA field teams arrived on September 8, 2017, and will be joined by three additional field teams on September 11, 2017. Sampling has been completed at 11 sites. The sampling is part of a longer-term assessment that will be used to transition sites to their normal cleanup operations. Sampling will be complete by September 13, 2017, with preliminary unvalidated results expected by September 16, 2017.
- All 43 Federal Superfund NPL Sites in the affected area have been assessed. Of these, 41 sites have been cleared, and two sites (San Jacinto Pits and US Oil Recovery) require additional follow-up.
 - U.S. Oil Recovery Update: Since September 5, 2017 a total of 29 vacuum truckloads of water (approximately 145,000 gallon) have been removed and shipped off-site for disposal. The potentially responsible party continues operating pumping equipment and a storage tank to maintain and control overflow. Sampling of the lift station water continues. In addition, soil and ground water samples were collected on September 8, 2017. No sheen or odor was observed in the overflowing water.
 - San Jacinto Waste Pits Update: Cap repairs are complete on the western part of Southern Berm while repairs continue on the remaining berm sections. Manual probing of capped areas, with oversight by the EPA Dive Team, continues and is expected to be completed September 11, 2017. Three areas on the northwest part of the cap have been identified for further investigation. The Dive Team is planning to enter the water September 11, 2017. The Dive team will collect sediment samples from areas identified as missing armor stone.



9/9/2017 FIELD ACTIVITIES

PHOTOS



Houston Branch – Waste pad preparation



Houston Branch – EPA staff doing Hazard Evaluation



Corpus Christi Branch – Morning Operations Briefing

DHS Component Actions
Hurricane IRMA – Straits of Florida
0600 ET, 10 Sep 2017

Updates in Blue

Overview

As of 0500 ET, Hurricane Irma was located approximately 60 miles southeast of Key West, FL, moving northwest at 6 mph. Maximum sustained winds are near 130 mph with higher gusts. Hurricane-force winds extend outward up to 70 miles from the center, and tropical-storm-force winds extend outward up to 205 miles. The eye is forecast to be near the Florida Keys Sunday afternoon. There is an enhanced risk of Severe Thunderstorms and a High Risk of Flash Flooding across FL.

Federal Emergency Management Agency (FEMA)

- NRCC Level I.
- National IMAT-East 1 deployed to GA EOC.
- National IMAT-East 2 deployed to FL EOC.
- At request of FEMA Region IV, 12 type 1 US&R task forces and three Hazardous Materials Equipment Push Packages were activated to stage in either FL or GA.
- 1,299 US&R personnel deployed or preparing to deploy in support of IRMA response and recovery.
- Surge staffing continues for FEMA Strategic Workforce Augmentation Team for taking calls from three National Processing Service Centers, FEMA pop-ups, Headquarters, Regions, and from home; 3,365 call center agents are expected to be online today.
- Mobile Emergency Response Support and Mobile Communications Operations Vehicles are deployed in support of multiple IMATs, US&R missions, National Disaster Medical System, and Incident Support Bases (ISBs).
- Increasing commodity capacity at multiple ISBs (Maxwell AFB, AL; Ft Bragg, NC; Fort A.P. Hill, VA; Groveland, FL); expect Maxwell AFB ISB to have 7.9 million meals and 10.2 million liters of water by 10 Sep.
- Coordinating movement of life sustaining commodities in PR and USVI.
- Regional Risk Analyst/Hurricane Liaison Team (HLT) is active at National Hurricane Center.

Customs and Border Protection (CBP)

- CBP Impacted Personnel Accountability:
 - As of 2000 ET 10 Sep, all CBP personnel are accounted for
 - Caribbean (Bahamas): 44 out of 60 personnel evacuated
 - United States Virgin Islands (USVI): 121 out of 121 accounted; 6 evacuated.
 - Puerto Rico: 676 out of 676 accounted; 4 evacuated.
 - CBP Florida: 297 personnel evacuated.
- Impact to CBP Operations:

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- Caribbean (Bahamas, Jamaica, Dominican Republic): No impacts to operations
- United States Virgin Islands (USVI):
 - Office of Field Operations, St. Croix; no impact to operations and St. John/St. Thomas reports damage to facilities, runway is only open to military aircraft.
 - Air Marine Operations is assisting with impact assessments.
- Puerto Rico:
 - Office of Field Operations, San Juan Ports/Field Office, no impact to operations. Currently running on generators.
 - Border Patrol, Ramey Sector, no impact to operations.
 - Air Marine Operations, Caribbean Air & Marine Operations Center; no impact to operations.
- CBP Florida:
 - CBP Office of Field Operations airport locations are ceasing operations in preparation for the oncoming storm.
 - Air Marine Operations National Air Security Operations Center-Jacksonville facility is open to employees/families for shelter during and after hurricane. All other locations completed securing assets and ceased operations.
- CBP Southeast Atlantic:
 - Port of Savannah & Brunswick ceased operations.
 - The Savannah laboratory ceased operations.
- CBP Region IV:
 - Cruise ships with scheduled arrivals into affected areas or potentially affected areas will either stay out to sea or divert to another port.
 - The Port of Tampa is currently the only port accepting fuel vessels in the state.
- CBP Preparations
 - CBP Florida:
 - Office of Field Operations: Essential recovery personnel and equipment has been prepared and staged. Ports have activated hurricane plans: Port Recovery Teams have helped secured some homes and they will be ready to assist with recovery as soon as it is safe to do so after the storm.
 - Office of Border Patrol Miami Sector: Vehicles and facilities have been secured and are prepared for the approaching storm.
 - Air Marine Operations: Aircraft and Vessels have been secured and/or relocated.
- Response/Recovery Missions
 - As of 1530 hours, 9 Sep the Caribbean Air & Marine Branch conducted 24 air Missions which included 6 rescue missions, 15 logistical Missions, and 3 other missions.
 - Currently three people have been rescued by CBP.

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- CBP Region IV has staged Disaster Assistance Response Team members and multiple land and water based assets to support Hurricane IRMA response efforts. In addition, all available CBP Region IV assets have been redirected to support response efforts.

Immigration and Customs Enforcement (ICE)

- Number of Evacuees: 361 (+49)
- HSI Tactical Communications (TACCOM) has two Mobile Command Centers (MCC) and one communications van staged in Pensacola, FL. The vehicles and TACCOM personnel will be able to deploy to the affected areas as needed once the storm passes/or we deem it safe to travel in the MCCs. A third ICE/HSI MCC is available from Houston, TX if needed.
- Emergency Management Unit / Medical Countermeasures (MCM) located in Field Office Director-Miami – Krome Detention Center remains in place. There is a generator on standby if electricity is lost.
- ICE MCM located in Special Agent in Charge (SAC) Tampa remains in place. If power is lost, a team will be designated to enter the facility when it is safe to do so, and move the MCM via a government vehicle to SAC Atlanta.

HSI Offices:

- HSI Miami
 - 11 employees under mandatory evacuations, 25 employees evacuated voluntarily
 - HSI Rapid Response Team (RRT) from NCR will stage at HSI Jacksonville on 9 Sep
 - RRT Houston, Dallas and New Orleans will stage at Hurlburt Air Force Base near Pensacola, FL
- HSI Atlanta AOR:
 - Savannah, GA
 - Mandatory evacuation has been ordered for all areas east of I-95, all of Chatham County, where Savannah is located, and some areas west of I-95 that could be impacted by the potential storm surge from Irma. Mandatory evacuation began on 9 Sep.
 - Nine employees affected by mandatory evacuation.
 - Charleston, SC
 - Personnel are monitoring path of the storm and will advise of evacuation procedures if necessary.
 - Two employees (not under the mandatory order) have chosen to evacuate.
 - Atlanta, GA
 - Leadership continues to monitor the expected path of Hurricane Irma and will work with affected sub-offices on evacuation plans and damage mitigation.
 - Columbia, SC
 - Personnel will continue to monitor the path of the storm and will advise of evacuation procedures if necessary.

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- Dalton
 - Expected to experience high winds, rain and tropical storm conditions beginning 11 Sep and continuing through 12 Sep.
- Office of Professional Responsibility (OPR)
 - All OPR employees are accounted for.
 - OPR offices are closed in San Juan, PR; Plantation, FL; Tampa, FL; Orlando, FL (through 12 Sep); Glynco, GA (through 15 Sep); FLETC, and Brunswick, GA.
 - OPR Atlanta is operational.
- Office of the Principal Legal Advisor
 - OCC offices in San Juan, Miami, and Orlando remain closed
 - All employees are accounted for in San Juan
 - Numerous Miami employees are in mandatory evacuation zones and are evacuating.
- Office of the Chief Information Officer
 - 30 out of 40 OCIO staff in PR, USVI, FL, GA, and SC are accounted for (10 are working from normal worksite, 20 are sheltering in place, and 10 are no response). Follow ups on no responses will be conducted on 10 Sep.
- Management & Administration
 - All employees in PR, FL, GA, and SC are accounted for,
- Office of Human Capital
 - All four OHC employees in FL and SC are accounted for.

Transportation Security Administration (TSA)

- Personnel accountability in the Caribbean area of operations is reported at 99%.
- St. Thomas (STT) TSA reports 92 of 94 employees have been accounted for.
- Accountability numbers will continue to be monitored as storm impacts additional airports.
- St. Thomas (STT): TSA offices sustained major damage; screening equipment has yet to be verified.
- Saint Thomas (STT) airport is closed. There is heavy debris on the runway which FEMA is attempting to clear. The Airport generator is operational. Heavy damage to the terminal and surrounding infrastructure; tower is in good shape with the exception of some water intrusion to the equipment room; no estimation as to how long it will take to open the tower/airport.
- An assessment team will arrive in San Juan Airport (SJU) on 11 Sep to meet with local leadership, CBP, and FEMA to develop an assessment plan. St. Thomas assessment will begin on 12 Sep to in conjunction with CBP and FEMA.
- Initial damage assessment from San Juan Airport (SJU) Federal Security Director:
 - No fence line
 - Most structures missing their roof
 - No water, electric, or cell coverage
 - Runway looked OK
 - Fuel farm tanks looked OK
- St. Croix (STX): open for emergency flights.

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- Rafael Hernandez (BQN): open with reduced capacity.
- Airports throughout FL and GA implementing closure plans. Reopenings expected to commence 11 Sep.
- 370 (+90) screening personnel are being pre-positioned around the country for deployment to impacted airports. 93 personnel arrived at O'Hare International Airport (ORD) on 9 Sep; 132 scheduled to arrive at ORD 10 Sep. Destination flexible based on storm track.
- TSA OIT activated the hotspot capability for all TSA iPhones provisioned in Puerto Rico, Virgin Islands, Florida, and Georgia; Prepared to activate capability for South Carolina if necessary.
- A four person FAMS Critical Incident Response Program (CIRP) team from Detroit Field Office will report to SJU on 11 Sep. Teams from Boston (2), Minneapolis (4), and Chicago (4) are on standby.
- Emergency Communication Mobile Response Vehicles (MRV) are prepared to deploy from Moline, IL; three others on alert.
- On 9 Sep, Visual Intermodal Protection and Response VIPR teams from Washington Field Office and San Francisco Office will travel to Tallahassee (TLH), FL to provide support for the Federal Air Marshals Miami field office AOR.

U.S. Citizenship and Immigration Services (USCIS)

- CONUS Locations – Field Operations (FOD):
 - District 8: Reporting 100% employee accountability.
 - District 9: 348 (-1) of 363 accounted for post local evacuation orders.
 - District 10: 314 (+2) of 315 accounted for post local evacuation orders.
- OCONUS Locations FOD:
 - SAJ - Puerto Rico Field Office – Post Storm 20 (-2) of 24.
 - 10 (-7) employees reported without power.
 - 4 (-2) employees reported without water.
 - Initial reports on the office report no damage.
- Virgin Islands – Post Storm corrected numbers of staff on the Islands is 15 employees and 2 contract staff.
 - 11 (+5) of 15 FTE accounted for.
 - 1 (+1) of 2 Contract Staff accounted for.
 - Significant local damage reported, especially on St. Thomas.
- CONUS Locations – Refugee, Asylum, and International Operations (RAIO).
 - Miami Asylum Office – 111 of the 120 employees checked in today after local evacuation orders. 12 of 13 TDY personnel returned to home station, 1 pending return.
- OCONUS Locations RAIO: Chief of Mission has issued orders to employees to Shelter-in-Place, if not evacuated.
 - Havana – 2, sheltering in place pending storm passage.
 - Santo Domingo – 2, offices to open 11 Sep

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- Port-au-Prince – 2, offices to open 11 Sep.
- San Juan and USVI offices remain closed pending post storm evaluation
- Florida offices preparing for the storm as per the Hurricane OPLAN. Florida Direct 9 and 10 offices are closed through 11 Sep.
- Miami asylum office is closed through 11 Sep.

U.S. Coast Guard (USCG)

- Accountability of Coast Guard Personnel is at 99.89%.
- 1,295 (does not include cutter crews) USCG personnel are responding to Irma.
- Ports Closed: Tampa, Port Manatee, Key West, Port Canaveral, Miami, Port Everglades, Jacksonville, and Savannah.
- Ports open with Restrictions: Charleston, San Juan, St. Thomas, St. Croix.
- Hurricane Condition I set for Sector Key West, Sector Miami, Air Station Miami, Tactical Law Enforcement Team (TACLET)-South, Marine Safety and Security Team-91104, SOUTHCOM, Sector St. Petersburg, Air Station Clearwater, Helicopter Interdiction Tactical Squadron (HITRON) Jacksonville, and Sector Jacksonville.
- Hurricane Condition II set for Maritime Force Protection Unit (MFPU) Kings Bay, Sector Charleston, Marine Safety Unit (MSU) Savannah, Air Station Savannah, and Air Facility Charleston.
- HURCON Condition IV set for Sector San Juan and Air Station Borinquen.
- Sector San Juan investigating feasibility for cruise ship to evacuate stranded vacationers from St. Thomas; blanket permission granted to conduct over flights of Bahamas; 02 lives saved in D7 AOR.
- SEC Miami, St. Petersburg & Key West command centers executed COOP to Martinsburg.
- SEC Key West IMT COOP to Orlando Marriott, SEC St. Pete COOP to Manatee Technical College, SEC Miami IMT COOP to AIRSTA Miami.
- Sector San Juan conducting post storm assessment and reconstitution plans.
- Sector San Juan conducting port assessments in Puerto Rico, St. Thomas, and St. Croix
- USCG Air Station Savannah is Partially Mission Capable and USCG Air Facility Charleston non-mission capable due to Hurricane HARVEY support. USCG Station San Juan is non-mission capable.

U.S. Secret Service (USSS)

- On 8 Sep the USSS issued a Personnel Evacuation Order for the states of Florida, Georgia, and South Carolina. Field Offices within this area are authorized to evacuate their duty station(s) and take appropriate precautions to safeguard personnel and equipment, as practicable.
- Charlotte Field Office FO (CLT):
 - All employees are accounted for. CLT will stay in contact via robust state police communication system that provides Nextel like radio service across the state.
 - District wide check-in will commence at 0900 ET on Sunday, 10 Sep and continue twice daily (0900 and 1700) until storm passes.

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- Currently no negative storm effects and no displaced personnel.
- Continuous liaison established with NC State Emergency Operations Center and DHS Protective Security Advisors (PSA).
- All COOP documents reviewed and relocation site (Greenville RO) on standby.
- All NC offices closed on 9 Sep.
- Columbia FO (CSC):
 - Guidance has been sent to the Charleston RO personnel. The Columbia FO has been identified to shelter personnel from Charleston if there is an evacuation.
- Jacksonville FO (JAX) / Tallahassee RO (TAL):
 - JAX and TAL have closed as of 8 Sep.
 - All JAX FO personnel are accounted for.
 - No damage to personnel or property
- Miami FO (MIA):
 - Approximately 25 employees are evacuating South Florida.
 - All personnel are accounted for as of 18 Sep. The Miami Field Office is open as a shelter.
- Orlando FO (ORL):
 - Office closed on 8 Sep.
 - Liaison established with Orlando Police Department EOC Coordinator.
 - Employees reminded of COOP Plan location of alternate work site (local DHS/ICE field office)
 - The Orlando FO is located in a private office building. The building is not hurricane rated, and any decision regarding opening/closing of the building will be made by building management based on rain/wind/environmental conditions.
- Savannah FO (SAV):
 - SAV closed on 8 Sep.
 - Currently, all SAV employees will shelter in place except for two employees and their families who are voluntarily relocating to the Georgia interior.
 - Reviewed and updated our COOP.
- Tampa FO (TPA):
 - TPA and Fort Myers RO (FTM) closed on 8 Sep.
 - All personnel were accounted for.
 - The COOP plan has been reviewed and is up to date.
 - Liaison has been made with Hillsborough County Sheriff's Office and the Tampa PD. USSS personnel will have access to the Tampa Emergency Operations Center.
 - Liaison has been made with local GSA management to ensure access to the building in case of building closure. No building closure is anticipated at this time.
 - The Special Agent in Charge will remain in district for the duration of the storm event.
- Miscellaneous:
 - San Juan office has reopened.

National Protection and Programs Directorate (NPPD)

- NCCIC:
 - FEMA Mission assignments for three personnel to the Region IV RRCC and one

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- person to the Region II RRCC.
- Office of Cybersecurity and Communications (CS&C) Pensacola, FL facility is working with Navy personnel in Corry Station to maintain situational awareness and develop courses of action should the area be impacted.
 - NCCIC and NSD leadership in Pensacola are also working with the NCR counterparts to develop courses of action should they need to move program operations out of Florida temporarily.
 - Infrastructure Protection (IP) / Protective Security Coordination Division
 - PSAs and Chemical Security Inspectors (CSIs) in Puerto Rico are accounted for.
 - PSAs Orlando and New York are manning 12-hour shifts for 24-coverage at the FEMA RII Regional Response Coordination Center (RRCC) with PSA NJ assisting.
 - A CSI is covering the 24-hour RRCC shift for the Infrastructure Security Compliance Division.
 - Federal Protective Service (FPS)
 - Inspectors in Puerto Rico have been checking the status of FPS facilities as roads & conditions allow.
 - AC Lassen in conjunction with GSA personnel will attempt travel from Puerto Rico to St. Thomas via DEA Aircraft.
 - Team is standing by to depart to the USVI & Puerto Rico as soon as safe & reliable transportation, facilities and other logistics can be secured.
 - Seven Inspectors, one K-9, one Special Agent, one Area Commander, four Support personnel, three Dispatchers, the Mobile Communications Vehicle and SUV, are currently en-route to Orlando.
 - FPS personnel in Florida have completed Phase I of the Regional Operation Plan, taking care of their families, removing them from harm's way.
 - One LEO in the mandatory evacuation zone is relocating, location TBD; and one Contract Employee is relocating to a hotel in Atlanta.
 - Office of Biometric Identity Management (OBIM)
 - OBIM will continue to monitor the storm and transfer IDENT operations to the safest Data Center, if necessary. The loss of one Data Center would create a long term effect on some DHS and partner agency operations, with remaining matching capacity devoted to border entry and law enforcement activities during the day; catching up on national security, immigration, visa, and credentialing queries overnight. Biometric Support Center West in San Diego is scheduled to perform all manual verifications for the weekend and can extend that coverage if Biometric Center East (Rosslyn, VA) becomes unavailable. National Capital Region staff are advised to prepare for situational telework.

Domestic Nuclear Detection Office (DNDO)

- All Mobile Detection Deployment Units (MDDU) are available to support operations as required.
- DNDO is standing by to support any CBP system replacement or repair needs, as required.

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Federal Law Enforcement Training Center (FLETC)

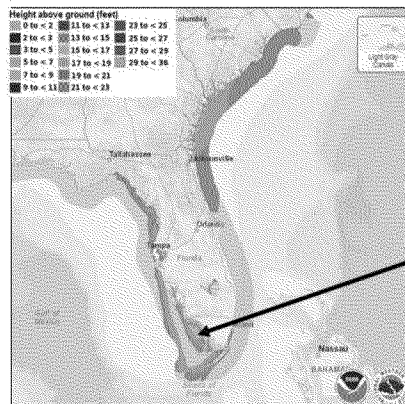
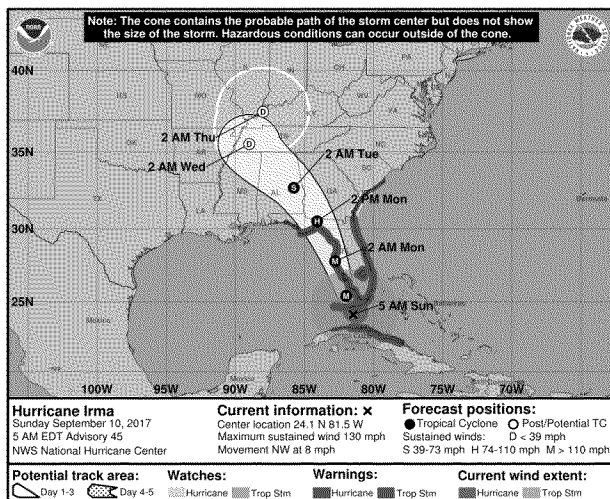
- FLETC Glynco, GA will be relocating all students to their Douglas, GA evacuation site at South Georgia Community College by 9 Sep.
- FLETC Charleston, SC will be relocating all students to their evacuation site at Fort Gordon, GA Army Base by 9 Sep.

Senior Leadership Briefing
Hurricane Irma
Sunday, September 10, 2017 (5:00 a.m. EDT)
Updates in Blue

Current Situation:

At 5am EDT, Hurricane Irma was located 60 miles southeast of Key West, Florida with maximum sustained winds of 130 mph as a Category 4 Hurricane. On the forecast track, the center of Irma is expected to cross the Lower Florida Keys mid-morning and then move near and over portions of the west coast of Florida this afternoon through Monday morning. Irma should then move inland over the Florida panhandle and southwestern Georgia Monday afternoon. Irma expected bring life-threatening wind and storm surge to Florida Keys and southwestern FL as an extremely dangerous major hurricane today. There's an imminent danger of life-threatening storm surge flooding in portions of central and southern FL, including Florida Keys.

A Hurricane Warning is in effect from Fernandina Beach southward around the Florida peninsula to Indian Pass, including the Florida Keys and Tampa Bay. Hurricane conditions and the potential for significant damage are expected to begin this morning, then spread northward. A Storm Surge Warning is in effect from the South Santee River southward around the Florida peninsula to the Juniper Inlet, including the Florida Keys and Tampa Bay, where there is a danger of life-threatening inundation from rising water moving inland from the coastline. The worst storm surge impacts will likely occur between Captiva and Cape Sable where water is expected to reach 10 to 15 feet above ground if the peak surge occurs at the time of high tide. Irma is expected to produce rainfall amounts of 10 to 20 inches, locally 25 inches, in the Florida Keys and 8 to 15 inches, locally 20 inches, across the Florida peninsula and southeast Georgia through Wednesday. The NWS Weather Prediction Center has indicated a High Risk for flash flooding across these areas today. There is also potential for moderate to major river flooding starting Monday in the Florida peninsula, with localized record flooding possible. The greatest risk appears to be across the north-central Florida peninsula to near the Tampa Bay area. This risk may expand into portions of Georgia and South Carolina for Monday and Tuesday. Tornadoes are also possible today into tonight. (NOAA Update, September 10, 2017, 4:20 a.m. EDT)

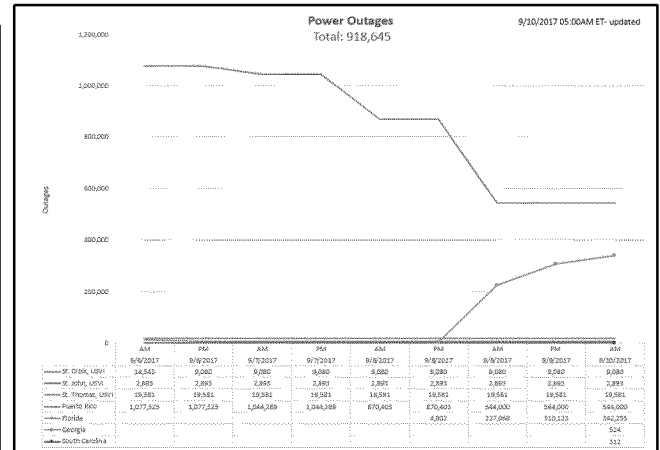
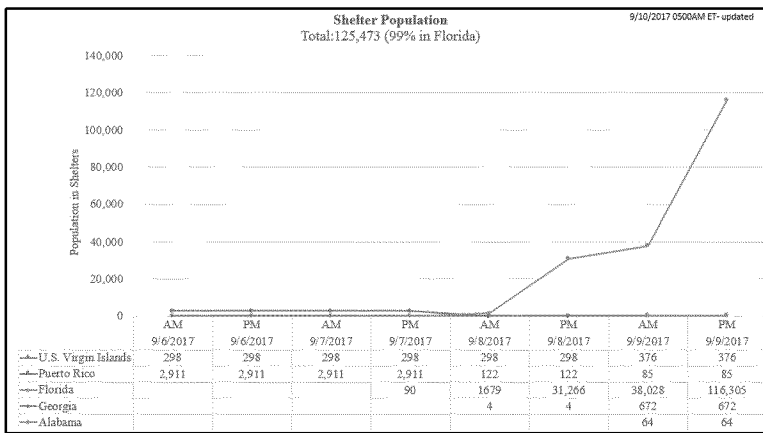


Storm Surge Warning:
South Santee River to the Suwannee River

Water is expected to reach the following heights ABOVE GROUND if the peak surge occurs at time of high tide:

- 10 to 15 feet: Captiva to Cape Sable; Severe to catastrophic impacts possible
- 6 to 10 feet: Captiva to Ana Maria Island and Card Sound Bridge through Cape Sable, including Florida Keys
- 5 to 8 feet: Ana Maria Island to Clearwater Beach, including Tampa Bay

Impact Summary:



U.S. Virgin Islands and Puerto Rico(USVI/PR)

- **Fatalities:** four in USVI; one in PR (*Region II Update, September 8, 2017, 1:17 p.m. EDT*)
- **Shelters:**
 - USVI: Six shelters open with a population of 376 (*ESF 6 Update, September 10, 2017, 4:10 a.m. EDT*)
 - PR: Five shelters open with a population of 69 (*ESF 6 Update, September 10, 2017, 4:10 a.m. EDT*)
- **Hospitals:**
 - USVI: Schneider Regional Hospital in St. Thomas is closed and has been evacuated; 40 patients transferred to Guayama Municipality (*ESF-8 Update, September 10, 2017, 1:00 a.m. EDT*)
 - PR: One hospital closed; 25 hospitals running on generator power (*ESF-8 Update, September 9, 2017, 3:30 p.m. EDT*)
- **Power:**
 - USVI: Virgin Islands Water and Power Authority reported 6,905 customers on St. Croix and all customers on St. Thomas (19,581) and St. John (2,893) without power (*DOE SITREP #32, September 9, 2017, 4:30 p.m. EDT*)
 - PR: Currently 544,000 (-130,000) customers without power (*ESF-12 Update, September 9, 2017, 9:00 p.m. EDT*)
- **Critical Infrastructure:**
 - **Airports:**
 - USVI: St. Thomas is closed except for hurricane and military operations due to fence line repairs and will not open until at least September 12; all others are open (*FAA Update, September 9, 2017, 5:16 a.m. EDT*);
 - The Airspace Coordination Area (ACA) for USVI was reissued and is in effect until September 20, 2017; a special notice to airmen was issued on September 10, 2017, requiring extreme caution when operating aircraft within the vicinity of St. Thomas and St. Croix (*FAA Update, September 10, 2017, 2:08 a.m. EDT*)
 - Air tower in St. Thomas airport condemned (no power and no pumps); a mobile tower will be set up September 10, 2017 with air traffic control service capability (*ESF 1 Update, September 9, 2017, 4:00 p.m.*)
 - PR: San Juan Airport is open for all operations (*ESF-1 Update, September 8, 2017, 1:54 a.m. EDT*)
 - **Ports:**
 - Open with restrictions: Guayama, PR, Christiansted, St. Croix, and Cruz Bay, St. John
 - Closed: Culebra, PR and West Greggerie Channel, St. Thomas ports closed (*USCG Update, September 10, 2:54 a.m. EDT*)
 - **Roads:**
 - USVI: St. John – Preliminary reports indicate major damage on coastal roads, especially Coral Bay Road Route 107; further information on St. John pending the reopening of ferry service from St. Thomas (*ESF-2 Update, September 9, 2017, 4:00 p.m. EDT*)
 - USVI: St. Thomas – Road damage is difficult to fully assess due to downed debris and downed power lines; USVI Power Authority is working to remove/reestablish poles/lines (*ESF-2 Update, September 9, 2017, 4:00 p.m. EDT*)
 - USVI: St. Croix – Road damage is minimal (*ESF 1 Update, September 9, 2017, 4:00 p.m. EDT*)
 - PR: All interstates and major roads are open; damage assessments are ongoing and no damage has been reported at this time (*ESF-1 Update, September 10, 1:11 a.m. EDT*)

- **Water:**
 - USVI: 341,514 clients without potable water service; 280,845 are due to electrical power failure; facility assessments are ongoing *(ESF-10 Update, September 9, 2017, 11:37, a.m. EDT)*
 - PR: Estimated 580,000 people are in need of drinking water; PR Aqueduct and Sewer Authority has set up drinking water stations throughout the island to support this need; outages are suspected to be linked to power outages *(ESF-10 Update, September 9, 2017 4:09 p.m. EDT)*
- **Fuel/Gas:** Gas for automobiles/generators now available on St. Thomas but not yet distributed due to road damage; as of September 6, St. Croix has 13 day supply for diesel, 15 day supply for petroleum gas; St. Thomas has 18 day supply for diesel and 20 day supply for petroleum gas *(ESF-1 Update, September 9, 2017, 1:37 p.m.. EDT)*
- **Public transit:**
 - USVI: No power; transit is not in operation at this time *(ESF-1 Update, September 9, 2017, 11:29 p.m. EDT)*
 - PR: Services are slowly resuming
 - Ferry service: full service will resume to Vieques; Culebra ferry service continues to be limited and strictly for relief operations
 - Rail: Tren Urbano remains down due to power outage from San Francisco to Bayamon stations
 - Bus: Puerto Rico Metropolitan Bus Authority and First Transit systems are back to normal operations, but no service after 6:00 p.m. EDT due to unsafe traffic conditions after dark *(ESF-1 Update, September 9, 2017, 11:29 p.m.. EDT)*
- **Florida**
 - **Evacuations:**
 - Mandatory full or partial evacuations in place for at least 30 counties, including Brevard, Broward, Citrus, Clay, Collier, Dixie, Duval, Flagler, Glades, Gulf, Hendry, Hernando, Hillsborough, Indian River, Lee, Levy, Martin, Miami-Dade, Monroe, Orange, Palm Beach, Pasco, Pinellas, St. Johns, St. Lucie, Sarasota, Sumter, Taylor, Volusia, and Wakulla
 - Voluntary full or partial evacuation in place for at least 16 counties: Alachua, Baker, Bay, Bradford, Charlotte, Columbia, Desoto, Hardee, Highlands, Jefferson, Lake, Leon, Manatee, Okeechobee, Osceola, and Polk *(Florida Division of Emergency Management, September 10, 2017, 4:28 a.m. EDT)*
 - **Shelters:** 454 shelters open with a population of 124,264 *(ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)*
 - **Hospitals:** 34 hospitals are reported closed; evacuating 204 healthcare facilities (18 hospitals); 20 ambulances are stationed at Manatee Memorial Hospital and are evacuating patients *(ESF-8 Update, September 10, 2017, 1:00 a.m. EDT)*
 - **Schools and Businesses:** All public schools K-12, states colleges and universities, and state offices closed through September 11, 2017 *(FL Department of Education, September 10, 2017, 4:00 a.m.)*
 - **Power:** Currently 342,255 customers without power *(DOE update, September 10, 2017, 3:45 a.m. EDT)*
 - **Critical Infrastructure:**
 - **Airports:**
 - The ACA for southern Florida was reissued on September 10, 2017 and is in effect until September 20, 2017; an ACA for northern Florida in effect starting September 10, 2017 and effect until September 20, 2017 *(ESF-1 Update, September 10, 2017, 3:30 a.m. EDT)*
 - Closed: Orlando Sanford Int'l (SFB), Tampa Int'l (TPA), St. Petersburg/Clearwater Int'l (PIE), Key West (EYW), Sarasota/Bradenton Int'l (SRQ), Fort Lauderdale/Hollywood Int'l (FLL), Melbourne Int'l (MLB), Boca Raton (BCT), North Perry (HWO), Marathon Int'l (MTH), Pompano Beach (PMP), Kissimmee (ISM), Orlando (MCO), and Albert Whitted (SPG) airports
 - Closed except for emergency aircraft/military operations: Opa-Locka Executive (OPF), Miami Int'l (MIA), Miami Executive (TMB), Vero Beach (VRB), and Naples (APF) airports *(ESF-1 Update, September 9, 2017, 10:04 p.m. EDT)*
 - **Ports:** All ports in Florida are closed, except Egmont Key, which is open with restrictions *(USCG Update, September 10, 2017, 2:54 a.m. EDT)*

- ❑ **Roads/Bridges:**
 - ❑ Congestion on major roadways decreasing with speeds returning to normal highway limits *(ESF-1 Update, September 9, 2017, 11:18 p.m. EDT)*
 - ❑ Moveable bridges will close to traffic, secure, and lock down when wind speeds reach 39 mph; Skyway Bridge (NFI) locked in down position since September 9 at approximately 11:00 p.m. EDT *(ESF-1 Update, September 10, 2017, 1:07 a.m. EDT)*
 - ❑ Federal Highway Administration providing 150 structural engineers to perform bridge inspections on the 2,000+ structures in the state of Florida *(ESF-1 Update, September 9, 11:38 a.m. EDT)*
- ❑ **Railways:** Operations shut down for all FL commercial and passenger railroads on September 9 *(ESF-1 Update, September 10, 2017, 1:07 a.m. EDT)*
- ❑ **Public Transit:** Nearly all Southern Florida transit operators have suspended operations unless being used for evacuations or shelter support *(ESF-1 Update, September 9, 2017, 11:27 a.m. EDT)*
- ❑ **Georgia**
 - **Shelters:** 34 shelters open with a population of 4,413 *(ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)*
 - **Hospitals:** 32 medical facilities evacuated, including 13 hospitals *(ESF-8 Update, September 10, 2017, 4:00 a.m. EDT)*
 - **Critical Infrastructure:**
 - ❑ **Roads/Bridges:**
 - ❑ I-16 contra-flow ended at 4:00 p.m. EDT on September 9th *(Region IV Trifold, September 9, 2017, 5:00 p.m. EDT)*
 - ❑ All I-75 southbound express lanes opened in the northbound direction at no charge until further notice *(ESF-1 Update, September 9, 2017, 11:15 a.m. EDT)*
 - ❑ **Ports:** All ports in GA are closed *(USCG Update, September 10, 2017, 2:54 a.m. EDT)*
 - ❑ **Power:** 842,895 projected to be without power after landfall *(DOE Update, September 9, 2017, 2:00 p.m. EST)*
- ❑ **Seminole Tribe of Florida**
 - **Shelters:** Five shelters open with a population of 77 *(Tribal Liaison, September 9, 2017, 1:44 p.m. EDT)*
- ❑ **Alabama**
 - **Evacuations:** Governor has not yet issued a general evacuation *(Region IV SitRep, September 9, 2017, 4:00 p.m. EDT)*
 - **Shelters:** five shelters open with a population of 0 *(ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)*
 - ❑ Hotels in AL southern counties 100% full *(Alabama EMA Update 12:30 Interagency VTC, September 8, 2017, 12:30 p.m. EDT)*
 - **Power:** 110,942 projected to be without power after landfall *(DOE Update, September 9, 2017, 2:00 p.m. EST)*
- ❑ **South Carolina**
 - **Evacuations:** Governor ordered evacuation of barrier islands including: Edisto Beach in Colleton County; Daufuskie, Fripp, Harbor, Hunting and Hilton Head Islands in Beaufort County; and Knowles and Tullifiny in Jasper County beginning no later than 10:00 a.m. EDT September 9 *(FEMA Region IV Sit Rep, September 9, 2017, 5:00 p.m. EDT)*
 - **Shelters:** three shelters open with a population of 245 *(ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)*
 - **Hospitals:** 140 healthcare facilities in coastal counties evacuating *(ESF-8 Update, September 9, 2017, 1:52 p.m. EDT)*
 - **Critical Infrastructure**
 - ❑ **Roads:**
 - ❑ Restricted lane closures for non-emergency highway work; plans to have assets in place to implement contraflow traffic if needed to assist with evacuations *(ESF-1 Update, September 9, 2017, 11:21 p.m. EDT)*
 - ❑ Heavy traffic flows on interstates coming out of Georgia; traffic is congested (15-20 mph) on I-95 for approximately 20 miles into SC, but not congested on I-20 and I-85 *(ESF-1 Update, September 9, 2017, 11:21 p.m. EDT)*
 - ❑ **Ports:** All ports are open *(USCG Update, September 10, 2017, 2:54 a.m. EDT)*
 - ❑ **Rail:** SC railroads shutting down operations on September 9 *(ESF-1 Update, September 10, 2017, 1:13 a.m. EDT)*
 - ❑ **Power:** 17,382 projected without power *(DOE Update, September 9, 2017, 2:00 p.m. EST)*
- ❑ **North Carolina**
 - **Shelters:** Four shelters open with a population of 0 *(ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)*
 - **Critical Infrastructure:**
 - ❑ **Roads:**
 - ❑ All lane closures on major NC routes, including Interstates, suspended beginning Friday, September 8 at 7:00 p.m. EDT to accommodate evacuees impacted by the hurricane

- NCDOT is coordinating with the SCDOT and the GDOT to handle evacuation traffic coming north on I-95, I-77, and I-26; NCDOT Incident Management Assistance Patrol (IMAP) will be working on all major north-south evacuation routes to assist motorists (ESF-1 Update, September 9, 2017, 11:21 p.m. EDT)

□ Tennessee

- **Shelters:** Five shelters open with a population of 36 (ESF 6 Update, September 10, 2017, 4:10 a.m. EDT)

Declaration Activity:

State/Region	Declaration	Declared Counties	
Region II		IA	PA
U.S Virgin Islands	9/7: DR-4335	St. Thomas; St. John	All
Puerto Rico	9/5: EM-3384	-	-
Region IV		IA	PA
Florida	9/5: EM-3385	-	-
South Carolina	9/7: EM-3386	-	-
Georgia	9/7: EM-3387	-	30 counties
Seminole Tribe of Florida	9/8: EM-3388	-	Whole Tribe

(Office of Response and Recovery Update, September 9, 2017, 5:00 p.m. EDT)

- The President amended FEMA-4335-DR-VI and authorized a 90 percent Federal cost share for debris removal and a 100 percent Federal cost share for emergency protective measures for 30 days from the start of the incident period, and then a 90 percent Federal cost share thereafter (Office of Response and Recovery Update, September 9, 2017, 11:27 p.m. EDT)

Federal Force Laydown:

Department/Agency	Personnel Deployed		Department/Agency	Personnel Deployed	
	IRMA	Delta		IRMA	Delta
FEMA – Deployed	1,342	(+143)	National Weather Service- NOAA	363	(0)
FEMA – Other Support	527	(-182)	National Guard	3,934	(-309)
Urban Search & Rescue	1,301	(+2)	DOD – Title 10	3,607	(+1252)
Health and Human Services	333	(+99)	General Services Administration	8	(-1)
Department of Transportation	25	(0)	U.S. Army Corps of Engineers	129	(+67)
United States Coast Guard	767	(+710)	Department of the Interior	92	(+2)
DHS – NPPD*	32	(+27)	USDA - U.S. Forest Service	20	(0)
Department of Energy	23	(+10)	Small Business Administration (SBA)*	-	(0)
US Department of Agriculture	8	(+3)	Transportation Security Administration	16	(0)
Law Enforcement (ESF 13)	462	(+84)	Housing and Urban Development*	-	(0)
Customs and Border Protection	102	(0)	Department of State	-	(0)
Civil Air Patrol	47	(0)	Environmental Protective Agency (EPA)*	-	(0)
Immigration and Customs Enforcement	-	(0)	Total	13,138	(+1907)

*Number of Personnel Unknown/Not Reported
(Situational Awareness Info Analysis, September 10, 2017 4:30 a.m. EDT)

FEMA Headquarters:

□ Recovery

- Individual Assistance registrations in USVI total 172, which is approximately 1.3% of total forecast and 0.4% of total households in the disaster area (Pre-Processing and Referral Statistics, September 9, 2017, 11:04 p.m. EDT)
- Surge staffing continues for FEMA Strategic Workforce Augmentation Team for taking calls from three National Processing Service Centers, FEMA pop-ups, Headquarters, Regions, and from home; 3,365 call center agents are expected to be online today (Recovery Contact Center Surge Staffing timeline, September 9, 2017, 11:00 a.m. EDT)
- 33 Disaster Survivor Assistance cadre members in support Hurricane Irma (DSA Cadre Management Section update, September 9, 2017, 9:50 a.m. EDT)

□ Federal Insurance and Mitigation Administration

- Flood insurance: Policies in Force in projected path of Irma: Approximately 2.2M (FIMA Update, September 9, 2017, 3:00 p.m. EDT)

☐ **Mutual Aid**

Region	Jurisdiction	# of Request(s)	# of States Supporting
II	USVI	1	1
IV	FL	83	24
IV	GA	1	1
IV	SC	0	2

(EMAC SitRep #28, September 10, 2017, 1:00 a.m. EDT)

☐ **Commodities at ISBs and PrePositioning Sites**

KEY

Ordered Qty - refers to the total amount that has been requested to send down to FEMA Staging Sites

Shipped Qty - refers to the total amount that has been shipped to FEMA Staging Sites

Received Qty - refers to the total amount that has been received at FEMA Staging Sites

Shipped to State Qty - refers to the total amount that has been shipped to the State

Product Class	Ordered Qty	Shipped Qty	Received Qty	Shipped To State Qty
Blanket	98,576	81,778	53,676	0
Cot	48,026	46,000	32,013	2,964
Fuel	50,000	0	0	0
Gen	276	244	214	0
Hygiene	370,000	59,496	50,000	0
Meal	36,257,333	12,965,530	9,791,501	459,937
Sheeting	42,965	15,653	14,981	0
Tarp	143,248	120,298	106,500	1,664
Water	33,076,407	17,635,317	14,473,527	347,256

Infant Toddler Breakdown

Item Description	Ordered Qty	Shipped Qty	Received Qty	Shipped to State Qty
Infant and Toddler Kit (Supports 10 Infants/Toddlers for 7-Days)	688	15	0	0
Perishable Infant Toddler Kit, contains only perishable items	70	48	0	0
Non-Perishable Infant Toddler Kit, contains only non-perishable i	0	24	0	0
Overall - Total	758	87	0	0

(ESF 7 Update, September 10, 2017, 3:30 a.m. EDT)

FEMA Region II:

- ☐ RRCC at Level I day shift, Level II night shift with ESF 1,3,6, 8,12,13,& 15 (Region II SitRep., September 9, 2017, 5:00 p.m. EDT)
- ☐ FEMA Region II IMAT locations:
 - o Region II IMAT-A in St. Croix; Region II IMAT-B in St. Thomas; Region II IMAT-C in PR
 - o Region X IMAT: San Juan, PR (FOD Update, September 8, 2017, 1:00 a.m. EDT)
- ☐ Staff from FEMA Caribbean Area Division in PR providing support to Commonwealth and local officials
- ☐ **U.S. Virgin Islands**
 - o EOC at Full Activation (Region II SitRep, September 9, 2017, 5:00 p.m. EDT)
- ☐ **Puerto Rico**
 - o EOC at Level IV, Full Activation (Region II SitRep, September 9, 2017, 5:00 p.m. EDT)

FEMA Region III:

- ☐ RRCC returned to Watch/Steady State on September 9 (Interagency VTX., September 9, 2017, 12:30 p.m. EDT)
- ☐ Virginia: State EOC activated to Level II, as of September 9 (Region III Spot Report, September 9, 2017, 4:00 p.m. EDT)

FEMA Region IV:

- ☐ RRCC at Level I (Full Activation) (Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)
- ☐ HQ National Tribal Affairs Advisor deploying to RIV RRCC (Region IV trifold, September 9, 2017, 5:00 p.m. EDT)

- Region IV IMAT-1 at FL EOC and Region IV IMAT-2 at SC EOC
- Region IV Liaison Officers on site at AL and NC EOCs (1 each) *(Region IV trifold, September 9, 2017, 5:00 p.m. EDT)*
- **Florida**
 - EOC at Level I (Full Activation) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
 - State of Emergency declared for 67 counties *(FEMA Region IV SITREP #1, September 5, 2017, 7:44 p.m. EDT)*
 - FEMA Initial Operating Facility operational in Tallahassee *(Region IV trifold, September 9, 2017, 5:00 p.m. EDT)*
- **Seminole Tribe of Florida**
 - EOC at Full Activation (24/7, all ESFs) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
 - Seminole Tribe has multiple reservation areas throughout FL that are non-contiguous. Four reservations are in the direct path of Irma: Big Cypress, Hollywood, Immokalee, and Tampa *(Tribal Liaison, September 9, 2017, 1:44 p.m. EDT)*
- **Georgia**
 - EOC at Level I (Full Activation) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
 - Governor revised state of emergency expanded to 94 counties *(Georgia Emergency Management and Homeland Security Agency, September 8, 2017, 4:08 p.m. EDT)*
- **Alabama:** EOC a Level I (Full Activation). Governor issued state of emergency September 8 *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
- **North Carolina:** EOC at Level III (Partial Activation) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*
- **South Carolina:** EOC at OPCON 1 (Full Activation) *(Region IV Daily Sit Rep., September 9, 2017, 1:30 p.m. EDT)*

Interagency Coordination/Response:

- **ESF-1: Transportation**
 - USVI/PR:
 - DHS waived Merchant Marine Act of 1920 ("Jones Act") allowing international vessels to dock at American seaports; acting DHS Secretary approved request effective September 8, 2017, for seven days *(ESF 1 Update, September 8, 2017, 4:00 p.m. EDT)*
 - CONUS Anticipated impacts:
 - Port facilities in western FL will experience low to medium physical damage due to storm surge and wind damage, loss of power and communications, and blockages of roadways and rail; individual port facilities could close for weeks
 - The Ports of Miami and Key West will likely experience substantial damage due to storm surge and high winds and may be closed for weeks for repairs; additional ports in southern FL will also likely experience light to moderate damage
 - Interstates, state highways, and local roads in southern and central FL will be blocked by storm surge and debris, hindering evacuations and emergency response; damage to one or more of the 42 bridges on Route 1 connecting Key West to mainland Florida is likely and will result in isolation of communities in the Keys and hinder recovery until the bridges are repaired, as will damage to bridges serving barrier islands in west FL
 - Restoration of commercial air operations will begin once storm has passed and damage assessments are completed; low-lying areas major airports in western and southern FL may be inundated by storm surge, which can damage runways and airport equipment and delay re-opening to commercial traffic by several days *(ESF-1 Update, September 10, 2017, 2:31 a.m. EDT)*
- **ESF-2: Communications**
 - USVI/PR:
 - Mobile Emergency Response Support (MERS) is supporting FEMA Incident Management Assistance Team (IMAT), Urban Search and Rescue (US&R), National Disaster Medical System (NDMS) teams in Puerto Rico, St. Croix, St. Thomas, and St. John
 - Maynard MERS airlift of communications vehicles and equipment is expected to arrive on September 10, 2017 from Westover Air Force Base, MA to St. Thomas *(ESF-2 Update, September 10, 2017, 1:30 a.m. EDT)*
 - Debris and repair crew caused additional damage to surviving telecom infrastructure *(ESF-2 Update, September 9, 2017, 11:30 p.m. EDT)*

- MERS is currently identifying what Land Mobile Radio (LMR) assets in their cache can be shipped to meet demand in USVI; Secret Service also identified a cache of radios that could potentially be used *(ESF-2 Update, September 9, 2017, 2:01 p.m. EDT)*
- The focus for telecommunications industry in St. Thomas and St. John is restoration of the broadband network and towers; repairs are currently underway *(ESF-2 Update, September 9, 2017, 2:13 p.m. EDT)*
- Cell Towers (tower status is result of voluntary reporting, the same number of towers do not report everyday):
 - St. Croix: 11 of the 40 (27.5%) cell towers are out of service
 - St. John: 9 of the 10 (90%) cell towers are out of service
 - St. Thomas: 45 of the 57 (78.9%) cell towers are out of service; communication off the island remains sporadic, indicating possible switch outages
 - PR: 511 of the 1743 (29.3%) cell towers are out of service; 20% of the operational towers are on backup power and will require refueling in the next one to two days *(ESF-2 Update, September 10, 2017, 1:30 a.m. EDT)*
- PR Public Service Answering Points are operational *(ESF-2 Update, September 9, 2017, 11:30 p.m. EDT)*
- CONUS: MERS and Mobile Communications Office Vehicle assets assigned to support FEMA IMAT, US&R, ESF-8 NDMS, and Incident Staging Base teams on site in FL, GA, and SC and will arrive by September 10 *(ESF-2 Update, September 10, 2017, 1:30 a.m. EDT)*
- **ESF-3: Public Works and Engineering**
 - USVI
 - Eight of 11 requested generator installation assessments completed, one of which was a water treatment plant, to determine size requirements for generators; USACE to confirm the time expected to complete the remaining assessments tonight *(ESF-3 Update, September 9, 2017, 3:30 p.m. EDT)*
 - Advanced Echelon Teams conducting inspections in St. Thomas by rotary wing *(ESF-3 Update, September 8, 2017, 12:53 p.m. EDT)*
 - PR
 - 73 FEMA generators staged in PR *(ESF-3 Update, September 9, 2017, 12:43 p.m. EDT)*
 - 350,000 cubic yards of debris has been identified to be cleared *(Senior Leader VTC, September 9, 2017, 12:30 p.m. EDT)*
 - FL
 - \$30M Direct Federal Assistance Temp Roofing mission assignment in place; activating Temporary Roofing Planning and Response Teams (PRTs) and Advanced Contract Initiative (ACI) contractors
 - \$3M amendment to Federal Operational Support debris mission assignment to activate Debris PRT and ACI Contractor to respond to requests for emergency route clearance in place *(ESF-3 Update, September 10, 2017, 2:33 a.m. EDT)*
- **ESF-4: Firefighting**
 - USVI: Based on the preliminary information received from Incident Management Team (IMT), fire stations on St. Thomas and St. Johns appear to be the most severely affected; assessments are ongoing
 - Two fire stations have reported serious structural damage
 - Three additional fire stations are closed or operations are compromised due to lack of water and electrical power
- **ESF-6: Mass Care, Emergency Assistance, Housing, and Human Services**
 - USVI/PR
 - PR: Salvation Army: Sheltering and feeding 40 individuals on dialysis
 - St. Thomas
 - Salvation Army: Multiple feeding stations are operating for first responders and power company workers; prepared meals and clean up kits distributed in Northeast communities; arranging for the shipment of generators, MRE's, clamshells, gas cans (still in boxes), water, cambros, tarps, cleanup kits, satellite phones, gas powered saw, work gloves and other items
 - American Red Cross: Volunteers to arrive in USVI on September 10th
 - CONUS
 - FL: Salvation Army – emergency staging areas in Manatee, Sarasota and DeSoto counties; 32 mobile feeding units and supporting equipment positioned ready to deploy

- GA: Southern Baptist Disaster Relief – six kitchens ready to prepare 40,000 meals (can be expanded to 550,000 meals), and access to chain saw and mud out teams (*ESF-6 Update, September 10, 2017, 1:47 a.m. EDT*)
- **ESF-7: Logistics Management and Resource Support**
 - USVI:
 - 199,000 meals and 107,000 liters of water on site (*RSS Update, September 10, 2017, 5:00 a.m. EDT*)
 - Air bridge is up and running to move supplies island to island via air
 - One sea bridge will arrive in St. Thomas on September 19, 2017 and one will arrive in Puerto Rico on September 18, 2017 (*ESF-7 Update, September 10, 2017, 5:00 a.m. EDT*)
 - SS Wright will depart from Philadelphia, PA on September 12 and estimating arrival at St. Thomas September 15; Wright will be bringing 45 40-foot containers of food, 20 vehicles (16 cars and 4 vans), and a Polaris. Ship is capable of making potable water for distribution to the general population (*RSS Update, September 9, 2017, 11:29 a.m. EDT*)
 - PR: 320,000 meals, 700,000 liters of water, and 70 generators on site; an additional 1M+ meals and 1.3M+ liters of waters have arrived for transportation to the island from New Jersey (*RSS Update, September 10, 2017, 5:00 a.m. EDT*)
 - FL:
 - 9.4M meals, 10.7M liters of water, and 215 generators on site (*RSS Update, September 10, 2017, 5:00 a.m. EDT*)
 - GSA reports 414 federally owned or leased buildings in the current path of the storm (90 buildings closed) (*GSA liaison, September 9, 2017, 1:30 p.m. EDT*)
 - GA: GSA reports 21 federally owned or leased buildings in the path of the storm with 13 closed (*GSA liaison, September 9, 2017, 1:30 p.m. EDT*)
- **ESF-8: Public Health and Medical Services**
 - USVI and PR:
 - 3 Disaster Medical Assistance Teams (DMAT), 1 Incident Response Coordination Team (IRCT), and 1 Health and Medical Task Force (HMTF) are supporting operations (*ESF-8 Update, September 10, 2017, 1:39 a.m. EDT*)
 - FL:
 - State is looking to source 1,000 medical evacuation requests using a broad recruiting strategy across EMAC, Medical Reserve Corps (*ESF-8 Update, September 10, 2017, 1:30 a.m. EDT*)
 - FEMA is activating home health aide contracts to send 250 aides to work in shelters
 - Red Cross is recruiting nurses, but a final number is not yet available (*HHS/ASPR, September 9, 2017, 1:30 p.m. EDT*)
 - FL requested 200 medical experts via EMAC
 - One Rapid Deployment Force (RDF) in Fort Myers
 - Deploying to Orlando or Gainesville: 6 DMATs, 1 Service Access Team (SAT), 1 Incident Response Coordination Team (IRCT) Forward, 1 Disaster Mortuary Operational Response Team (DMORT), and 1 Mobilization Team (MOB) (*ESF-8 Update, September 10, 2017, 2:30 a.m. EDT*)
 - Approximately 500 doctors and medical personnel arrived in Orlando, FL by DOD air on September 9, 2017 (*ESF-8 Update, September 10, 2017, 4:13 a.m. EDT*)
 - GA: 1 IRCT in Valdosta (*ESF-8 Update, September 10, 2017, 1:00 a.m. EDT*)
- **ESF-9: Search and Rescue**
 - USVI/PR:
 - Two task forces arrived in San Juan via DoD airlift to join the one task force conducting search and rescue operations in St. Thomas and St. John
 - FEMA deployed US&R Mission Ready Packages consisting of Live-Find Canine Search teams, Human Remains Detection Canine Search teams, and Logistics teams
 - CONUS: 12 task forces assigned to Region IV have an embedded Type 1 Swiftwater Rescue Team (*ESF 9 Update, September 9, 2017, 7:00 p.m. EDT*)
- **ESF-10: Oil and Hazardous Materials Response**
 - USVI/PR
 - Pipeline repairs underway, with some services being restored, including pipeline service to San Juan International Airport; lack of power, damages, and limited communications impacting restorations (*ESF-10 Update, September 10, 2017, 1:30 a.m. EDT*)

- Preliminary reports from a few regulated oil and chemical facilities in PR have reported no damage; a list of high risk facilities has been compiled and instances of regulated facilities that suffer damage will be prioritized for subsequent ground assessment
- Superfund sites: One lead cleanup site is unaffected and cleanup operations resumed on September 8th, on generator power; a second site containing a drinking water filtration system for community is not operational due to power outage. The EPA Federal On-Scene Coordinator is looking at alternative options to restore filtration
- The USCG National Response Center has received 5 reports of actual or potential pollution related to Hurricane Irma
- CONUS
 - Pipeline owner/operators have taken protective actions including stopping operations *(ESF-10 Update, September 10, 2017, 1:30 a.m. EDT)*
 - In advance of Irma, EPA has developed a list of approximately 150 regulated oil and chemical facilities, 38 Superfund sites, and 51 waste water treatment plants of potential concern, within Florida's southernmost 100 miles. These lists are refined further based on Irma's path, storm surge, and 100/500-year flood map predictions *(ESF-10 Update, September 9, 2017, 2:00, p.m. EDT)*
- **ESF-11: Agriculture and Natural Resources**
 - Nongovernmental entities partnering with local entities in Florida to transport animals available for adoption to animal shelters nationwide *(ESF-11 update, September 9, 2017, 7:19 p.m. EDT)*
 - National Animal Rescue and Sheltering Coalition assets are staged in and around Florida prepared to support both Florida and Georgia with animal assessment teams, animal search and rescue teams, animal transport teams, and animal sheltering teams
 - USDA is sourcing resource requests to support Florida post-storm to address animal issues, including a pet shelter liaison *(ESF-11 SitRep, September 9, 2017, 2:14 p.m. EDT)*
- **ESF-12: Energy**
 - USVI
 - WAPA brush and line crews clearing debris and power circuits down in St. Johns and St. Thomas; the overhead system is completely damaged; Virgin Islands Water and Power Authority (WAPA) provided DOE a list of supplies requested for recovery *(DOE update, September 9, 2017, 11:37 p.m. EDT)*
 - Restoration of power for the airport, hospital and adjacent buildings on St. Thomas began; restoration of the airport will provide power to Virgin Islands Territorial Emergency Management Agency
 - Randolph Harley Power Plant on St. Thomas has one operational backup generator
 - Power is restored to St. Thomas: airport, hospital, Lockhart Elementary School, Charlotte Amalie High School and a pump station *(RII ESF-12 Update, September 10, 2017, 12:00 a.m. EDT)*
 - All underground feeders in St. Croix are operational; WAPA is continuing restoration efforts in St. Croix as crews continue to restore power; no timeline for completion of restoration available *(ESF-12 update, September 8, 2017, 9:12 p.m. EDT)*
 - PR: DOE is facilitating the movement of mutual aid crews to the island with utilities, Electricity Sub-Sector, FEMA, and other interagency partners *(ESF-12 Update, September 8, 2017, 4:00 p.m. EDT)*
 - CONUS:
 - Turkey Point Nuclear Plant Unit 3 completed shut down on September 9, 2017 *(ESF-12 Sitrep, September 10, 2017, 3:30 a.m. EDT)*
 - More than 1,000 mutual aid crews have begun staging resources closer to the predicted impacted areas *(DOE Sit Rep, September 9, 2017, 3:30 p.m. EDT)*
- **ESF-13: Public Safety and Security**
 - USVI/PR:
 - A prison in the USVI evacuating with EMAC support; no federal assistance required *(Region II email, September 10, 2017, 1:31 a.m. EDT)*
 - Three Quick Response Teams (QRTs) are deployed to San Juan PR in support of ESF 8 & ESF 9 operations in PR and USVI; a third US Forest Service QRT arrived night of September 8, 2017 *(ESF-13 SitRep, September 9, 2017, 11:12 a.m.)*

- CONUS:
 - Seminole Tribe in Florida requested Bureau of Indian Affairs Law Enforcement support through FEMA; all agencies notified and on standby, awaiting final request from Seminole Tribe for action (*DoI Update, September 10, 2017, 1:42 p.m. EDT*)
 - One QRT was deployed to Eglin AFB and linked to US&R for airlift deployment into south Florida post landfall
 - One QRT was flown to Orlando, FL to provide security for the two prepositioned DMATs
 - Eight QRTs (200 personnel), five mobile bunk houses, and six mobile command vehicles will stage at Moody Air Force Base (AFB); Moody AFB initiating a staging area today and is expected to be operational 12:00 p.m. EDT September 10, 2017
 - 20 additional QRTs will be on stand-by at their home bases (*ESF-13 SitRep, September 9, 2017, 11:12 a.m. EDT*)
- **ESF-15: External Affairs**
 - Social Media: Power outages reported from Key West to Miami-Dade to Broward county; people are seeing the effects of the storm (*ESF-15 Update, September 9, 2017, 11:36 p.m. EDT*)
- **U.S. Coast Guard**
 - USVI/PR: Post-storm operations continuing; mission focus is transitioning from rescue to port recovery, environmental response, and salvage operations
 - CONUS: Pre-storm arrival preparations to safeguard personnel and their families along with ensuring USCG ability to respond throughout the impacted area continue from the Caribbean to the southeast and mid-Atlantic region; USCG cutters and aircraft in these areas being moved for storm avoidance to maximize post-storm response capability
 - USCG is staffing ESF-15 request to provide USCG mass communications/public affairs specialist support to the National Joint Information Center (*USCG Update, September 10, 2017, 3:05 a.m. EDT*)
- **U.S. Department of Defense (DoD)**
 - The USS Iwo Jima, USS New York, and USS Abraham Lincoln departed Norfolk on September 8, 2017 with Defense Support of Civilian Authorities package and are prepared to support, where required
 - USS Oak Hill and USS Kearsarge on station and supporting relief operations in USVI
 - Pursuing solutions to provide a temporary ground medical treatment facility on St. Thomas, USVI to augment the damaged hospital as a 24-72 hour holding facility until patients can be transported via the airport
 - Placed Defense Support of Civil Authorities Category I, II and III SAR forces, strategic and vertical lift, planning, communication and medical capabilities on orders to prepared to deploy to facilitate a timely response following landfall (*DoD Update, September 9, 2017, 2:42 p.m. EDT*)
 - US Transportation Command (USTRANSCOM): SOUTHCOM mission to evacuate 567 American Citizens from St Martin using Air National Guard and DoD Title 10 assets completed (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - Defense Logistics Agency (DLA):
 - Received MA for \$19M to lease up to 51 generators; all 42 generators delivered to respective locations and accepted by FEMA (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - Increased meal delivery mission assignment to \$159M to include MREs and shelf-stable meals starting September 11, 2017, to Ellenwood, GA extended support date to September 30 (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - Delivering and distributing total of 300,000 gallons of gasoline and diesel by September 9, 2017
 - Continuing to divert remaining meals dedicated for Harvey to Maxwell AFB, AL in support of Irma (*DoD Update, September 9, 2017, 2:42 p.m. EDT*)
- **Civil Air Patrol (CAP):**
 - Two aerial photography sorties completed or underway (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - 97 volunteers signed into mission (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - Approval of MA amendment, increasing amount by \$10,000 and extending coverage to September 30, 2017 (*DoD Update, September 10, 2017, 12:37 a.m. EDT*)
 - Flew two aircraft (aerial photography) over St Thomas, VI; specifically, provided images and assessment of damage Schneider and Kimelman Cancer Institute, solar panel field, Cyril E. King Airport, and Water and Power Authority Station

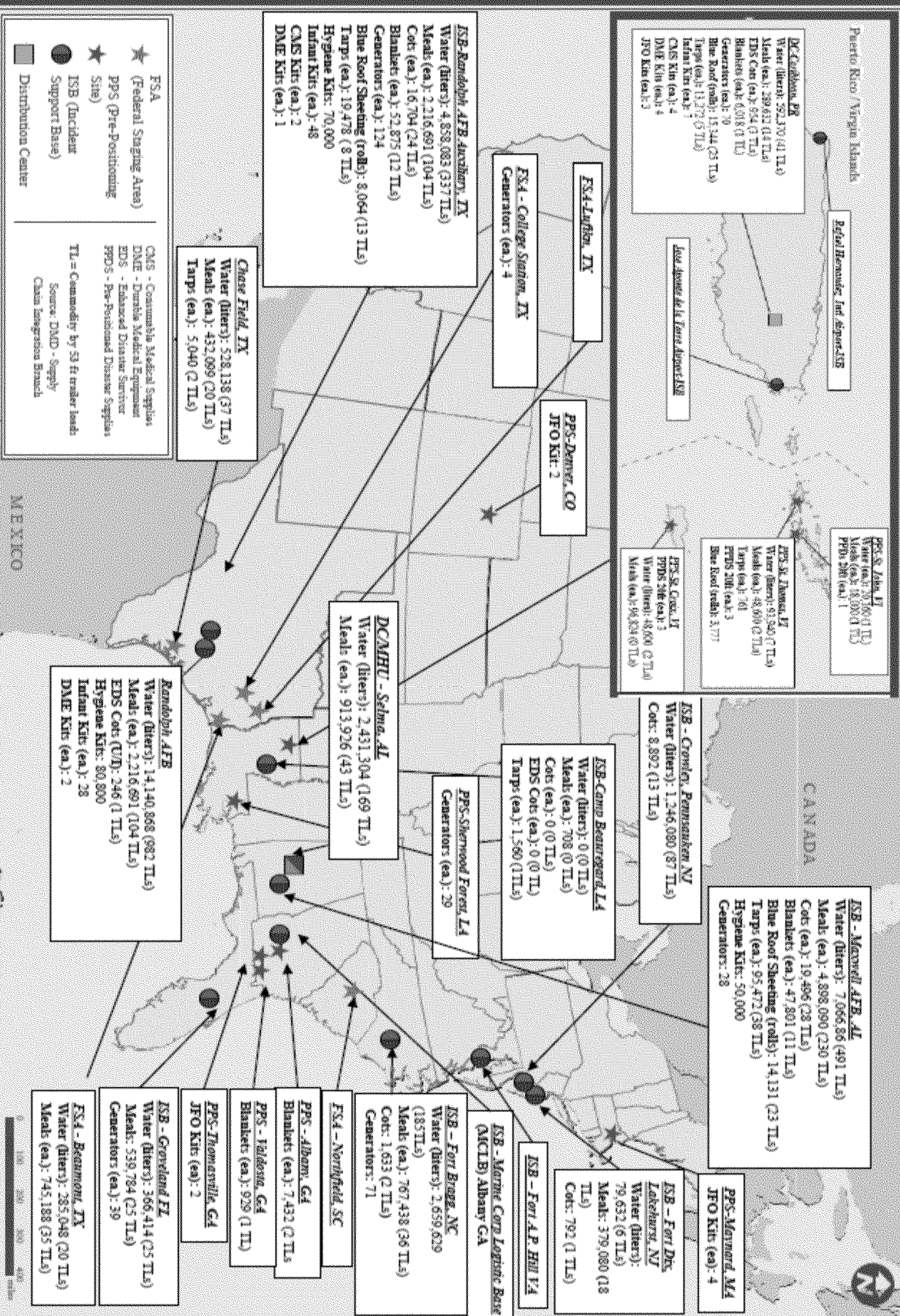
- Relocating two additional Cessna 182 crews from the mainland, estimated time of arrival in PR of 1600, September 8, 2017, and expects to be operational on September 9, 2017, for a total of three aircraft for imagery flights *(DoD Update, September 9, 2017, 2:42 p.m. EDT)*
 - **National Guard**
 - USVI:
 - A 40 soldier Quick Reaction Force moved to St. Thomas to assist local police
 - Joint Expeditionary Team has re-established stable communications and is sending regular SITREPs
 - FL:
 - 25 shelters being opened by guard elements, some in response to the westerly track shift of Irma
 - Coordinating additional EMACs; continue integration of 38th Infantry Division into the command team, complete reception for SC and AL Battalions expected to arrive prior to landfall *(NGB Update, September 9, 2017, 12:56 p.m. EDT)*
 - **U.S. Department of the Interior (DOI)**
 - USVI/PR:
 - U.S. Geological Survey (USGS) reports 5 streamgages in PR damaged or destroyed
 - National Parks Service (NPS):
 - Christiansted National Historic Site and San Juan National Historic Site closed but may reopen September 11 if commercial power restored
 - NPS teams conducting damage assessments and debris clearance from roads
 - Employees from San Juan National Historic Site assisting with response operations at US Virgin Islands National Park
 - US Fish and Wildlife Service (FWS): Two 20-person crews partnering with Forest Service personnel onsite to begin clearing roads and debris; Incident Management Teams will mobilize four Heavy Equipment Task Forces to clear roads and debris
 - CONUS:
 - 13 Caribbean-Florida Water Science Center personnel assessed and repaired damaged gages in FL
 - 10 USGS personnel have deployed 41 surge sensors and seven rapid deployment gages in GA
 - NPS:
 - FL: All NPS parks are closed and employees have evacuated from the Florida Keys
 - GA: Cumberland Island National Seashore, Fort Frederica National Monument and Fort Pulaski National Monument are closed
 - SC: Congaree National Park is closed
 - FWS reports 54 of 157 stations in the storm track are closed to the public as of September 9, 2017
 - Two Special Operations Response Team teams will assist with reconnaissance and post-storm assessments down the east and west coasts of FL
 - Bureau of Indian Affairs
 - Miccosukee Tribe requested support for dewatering pumps in main reservation area; the Tribe evacuated special medical needs tribal members to hospitals off-reservation
 - **Department of State (DoS)**
 - 567 American citizens were evacuated from St. Martin to San Juan, PR between September 8-9
 - Hurricane Jose prevented further evacuation of American citizens; US Department of State Task Force is coordinating support to American citizens in need of assistance *(DoS update, September 9, 2017, 11:09 p.m. EDT)*
 - **Customs and Border Protection**
 - USVI/PR: Ten flight crew personnel and three helicopters providing transportation between PR and USVI and supporting ESF-8 and ESF-9 operations *(CBP Update: September 9 2017, 7:20 a.m.)*



FEMA

FEMA Logistics Pre-Positioned Sites - CONUS Commodities as Reported 9/10/2017 - 0100EDT

Logistics

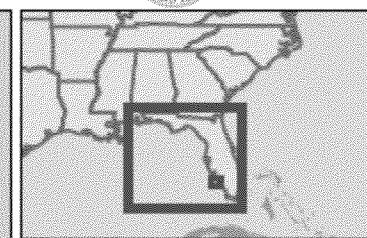
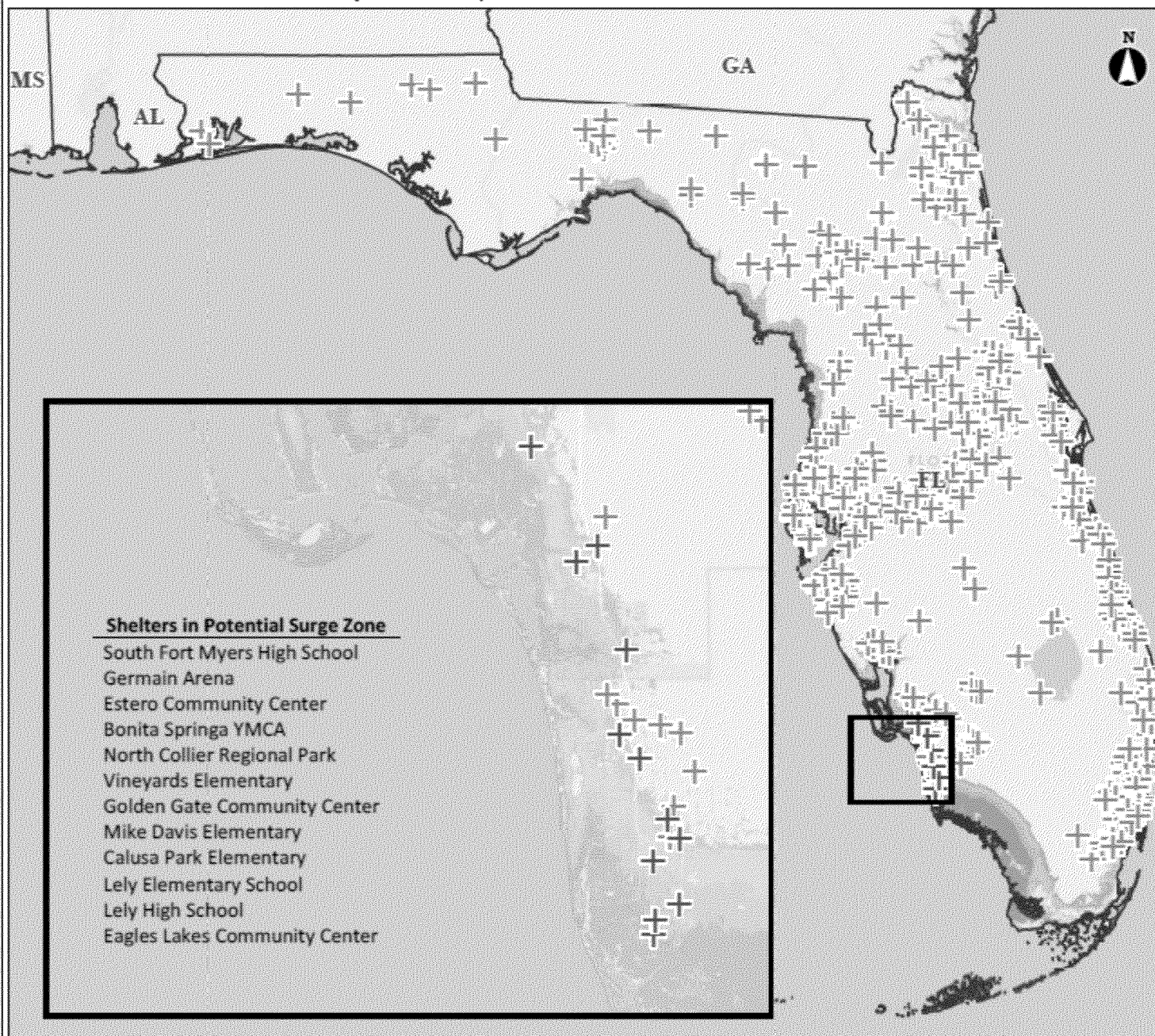


FL NSS Open Shelters in Potential Surge Zone (10 September 2017, 0400 EDT)

Hurricane IRMA , NOAA - Advisory 44 - 09 September 2017, 2300 EDT



FEMA



Data Layer/Map Description:

Available mass care resources for the affected population. The map can be used to identify geographic gaps and shortages in mass care resources in the area of interest.

Shelters

- + NSS Shelters in Potential Surge Flooding (12)
- + NSS Open Shelters (487)

Potential Surge Flooding

- Greater than 1 foot above ground
- Greater than 3 feet above ground
- Greater than 6 feet above ground
- Greater than 9 feet above ground

Shelter Data
Updated 09/10/17 0020

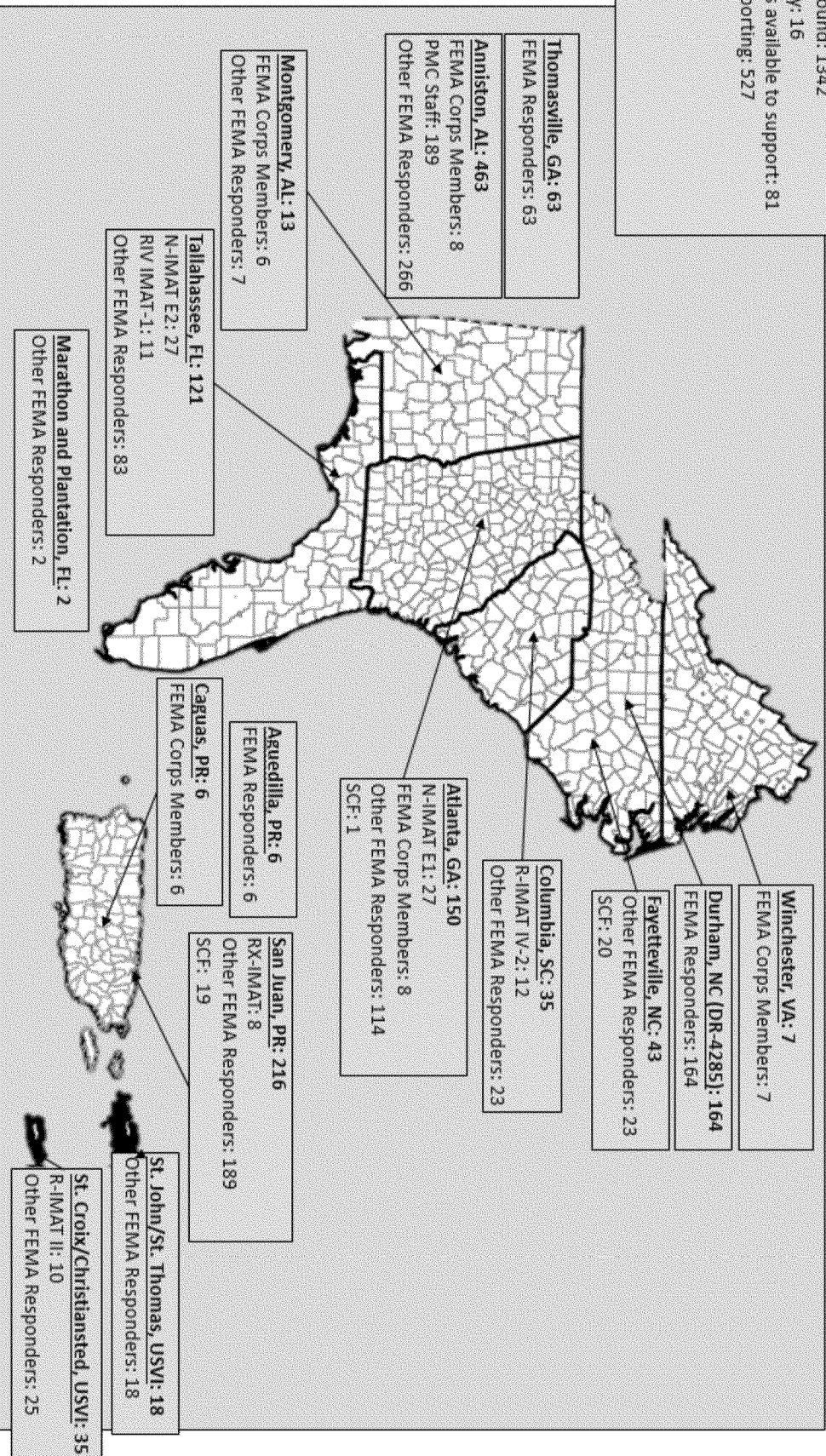
0 40 80 120
Miles

Data Sources:
FEMA, ESRI, NOAA

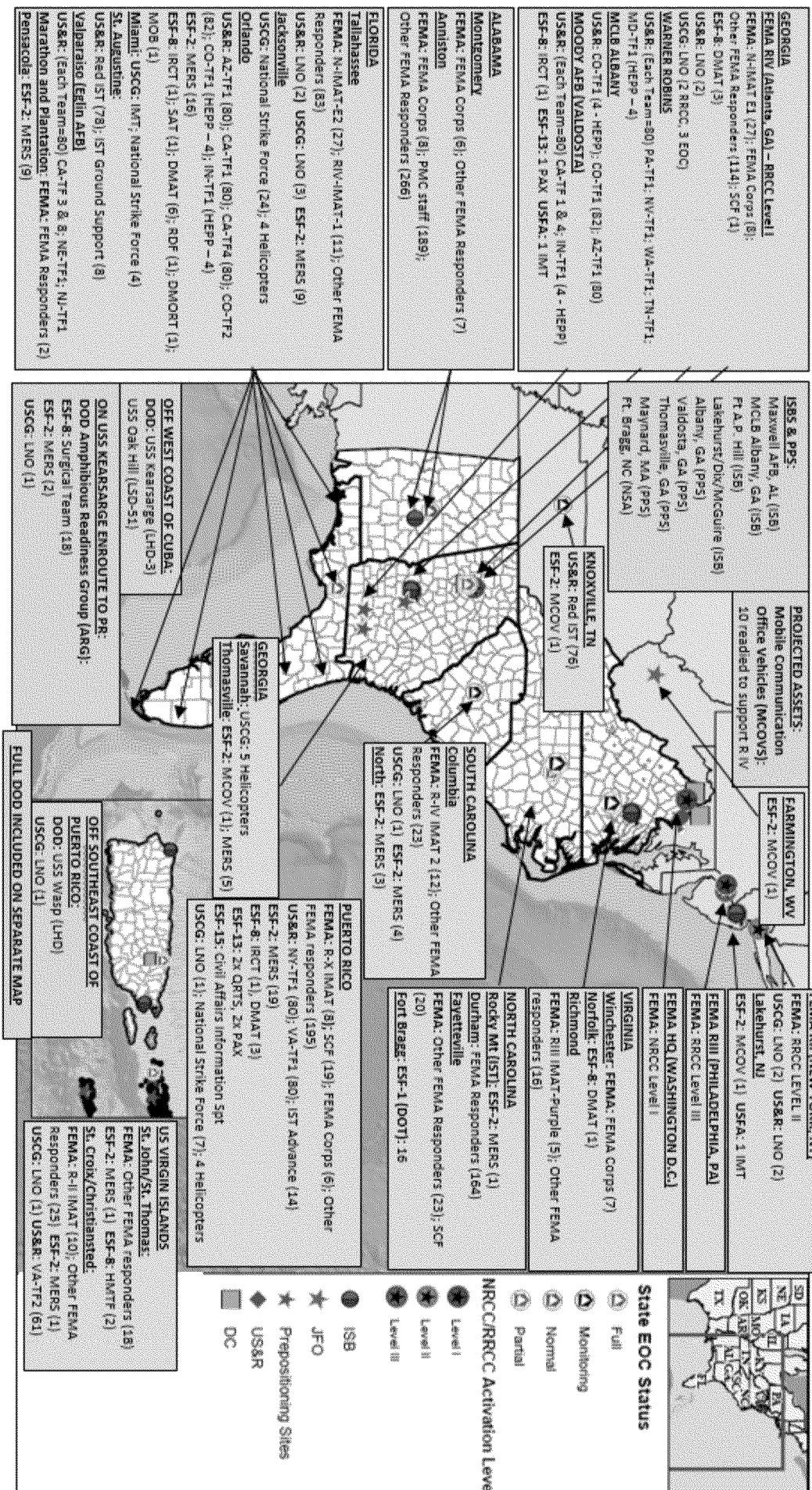
Hurricane Irma – FEMA Responder Laydown (as of Sep 10, 2017 0200)

Total FEMA Supporting Hurricane Irma Actions

Responders on the Ground: 1342
 FEMA Staff on Standby: 16
 FEMA Corps Members available to support: 81
 Other FEMA staff supporting: 527
 R1 RRCC: 13
 R2 RRCC: 99
 R4 RRCC: 148
 NRCC: 267



Hurricane Irma – Federal Force Laydown & Assets (as of Sep 10, 2017 0500)





UNCLASSIFIED//FROTH-000

Subline	Imrs BPT JDA	Imrs BPT BOG	Embedded Sops	PTDO
TTD CIO & 15000 (m)	36077	1685	3432	1067
NG CIO & 15000 (m)	10007	10007	0	4818
Total	46084	11852	3432	5485
Aircraft Totals				
Ship Totals				

Ship Tonnage

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414
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Cognitive Test		Cognitive Test	
Test	Score	Test	Score
1	100	1	100
2	95	2	95
3	90	3	90
4	85	4	85
5	80	5	80
6	75	6	75
7	70	7	70
8	65	8	65
9	60	9	60
10	55	10	55
11	50	11	50
12	45	12	45
13	40	13	40
14	35	14	35
15	30	15	30
16	25	16	25
17	20	17	20
18	15	18	15
19	10	19	10
20	5	20	5

CAT 1.875 75 COUNTESSINET FINE FASHION
PROPERTY

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CAT 1.875 75 COUNTESSINET FINE FASHION
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「**「三民主義」**」

此書係作者多年研究之結晶，內容豐富，論述精闢，為研究中國文學史之重要參考書。作者為中國文學史之專家，其論述必能切中肯綮，為讀者所共賞。此書之出版，實為中國文學史研究之一大貢獻，誠為中國文學史研究之必讀之書也。

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[illegible]

「此乃天降之寶，不可不珍。」

○ 此書係由日本學者所著，其內容係根據日本學者所著之《日本經濟史》而編纂，其內容係根據日本學者所著之《日本經濟史》而編纂，其內容係根據日本學者所著之《日本經濟史》而編纂。

一、關於「中國共產黨」
 二、關於「中國革命」
 三、關於「中國前途」
 四、關於「中國青年」
 五、關於「中國婦女」
 六、關於「中國兒童」
 七、關於「中國教育」
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一、自一九四九年以來，中國共產黨在中國大陸建立了獨立的政權，並在經濟、政治、文化等各個領域實施了全面的改革。這些改革使得中國在短時間內實現了從一個落後的農業國向一個初步工業化的國家的轉變。然而，在這一過程中，也出現了一些問題，如大躍進運動中的浮誇風、人民公社化運動中的平均主義等，這些問題對中國的經濟和社會發展產生了一定的負面影響。

附錄 三 關於「臺灣省教育廳」
 的成立與發展

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1. 凡在本行開辦之各項業務，均應遵守本行所訂之各項規章，並應遵守國家及地方有關之法律、法規及行政命令。

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Recovery Snapshot
Post-Tropical Cyclone Harvey
Sunday, September 10, 2017 (5:00 a.m. EDT)
Updates in Blue

Current Situation:

Region VI RRCC transitioned to Enhanced Watch September 8, 5:00 p.m. EDT *(RRCC update, September 8, 2017, 12:45 p.m. EDT)*

Housing:

☐ **Individual Assistance**

Individual Assistance <i>(as of 09/09/2017, 11:02 pm EDT)</i>				
State	Total Registrations	Total IHPS	Housing Assistance \$	ONA \$
Texas	683,382	\$263,745,022	\$146,965,109	\$116,779,913

☐ **FEMA Inspections**

Housing Inspections <i>(as of 09/09/2017, 11:02 pm EDT)</i>				
State	Inspectors with Work	Inspections Issued	Inspections Complete	% Complete
Texas	1,734	267,854	76,121	28.4%

☐ **Transitional Shelter Assistance (TSA)**

Transitional Sheltering Assistance <i>(as of 09/09/2017, 3:24pm EDT)</i>		
State	Currently Checked In to Hotel	Currently Eligible
Texas	21,233	274,363

☐ **National Flood Insurance Program Claims Estimates**

NFIP Claims Estimate <i>(as of 09/09/2017)</i>		
State	Claims Submitted	Advanced Payments to Insured Survivors
Texas	82,000	\$119.9 M

☐ **US Department of Housing and Urban Development (HUD)***

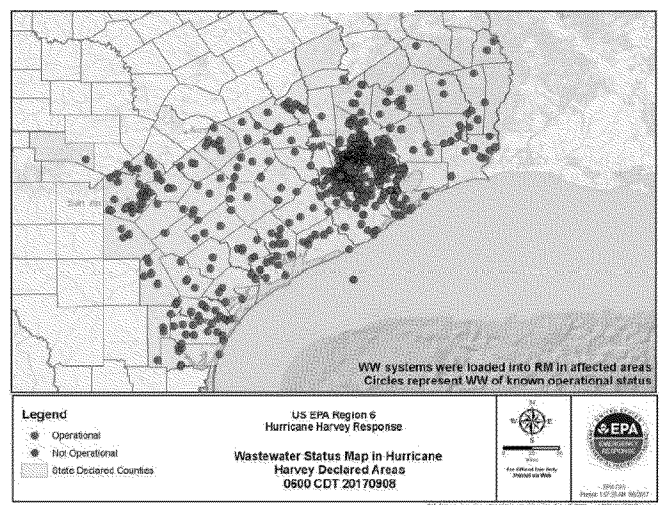
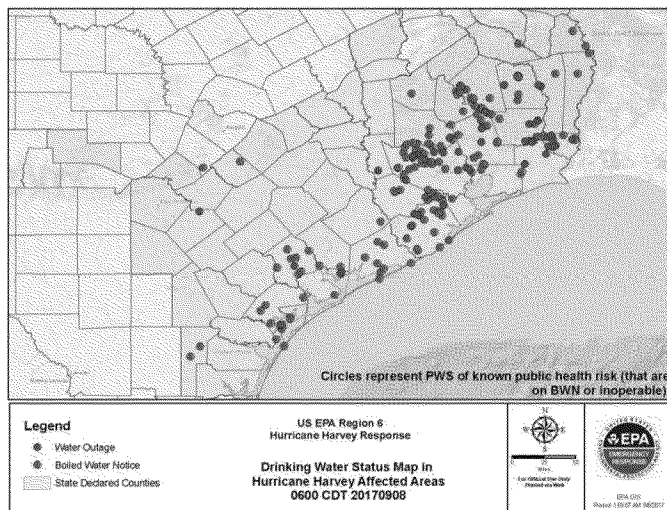
Hurricane Harvey - Texas	Number of Properties in Impacted Area	Displaced (# of Beds for Healthcare - Hospital)	Displaced (# of Household for Public & Indian Housing - Multifamily Housing)	Returned or Permanently Housed (# of Households/Beds)
Multifamily Housing	454	0	2,146	0
Public and Indian Housing	42	0	812	0
Healthcare and Hospitals	40	994	0	492
Total	536	994	2,958	492

* (No change from 9/8/2017, HUD reports that new data will be presented twice per week, on Tuesdays and Fridays, starting Tuesday, September 12, 2017).

Infrastructure Systems *(FEMA Recovery Update, September 9, 2017, 3:36 p.m. EDT)*

☐ **Water and Wastewater**

- Texas Commission on Environmental Quality (TCEQ) and EPA have completed surveys of 4,852 drinking water facilities and 2,908 wastewater facilities in the impacted area found 37 Severe Damage, 30 Medium Damage, 248 Minor Damage



☐ Aviation

- All major airports are at normal operations. Only Texas Gulf Coast Regional Airport is operating under restricted operations (closed except for relief aircraft)

☐ Highway

- FHWA HQ and TX Division responding to FEMA mission assignment requesting public affairs subject matter experts to staff Texas Joint Field Office (JFO)
- TX Division leadership meeting with TX DOT regional staff in the process of determining timing for joint damage assessments
- TX Division sending 4 engineers to Houston District next week to begin damage assessments
- LA DOT planning on deploying damage assessment teams within the next week
- Texas Highway closures:
 - ☐ Sam Houston Tollway between I-10 and Westheimer; due to flooding

☐ Maritime

- Corpus Christi – open with restrictions – vessels restricted to draft not above 43ft
- Houston Area – open with restrictions – vessels less than 40ft draft and daylight hours
- Port of Beaumont – open with restrictions – 30-foot draft restriction for the Sabine-Neches Waterway
- Port of Port Arthur – open with restrictions – 34-foot draft restriction for the Sabine-Neches Waterway

☐ Oil and Gas

- Five refineries in the Gulf Coast region are shut down; six refineries are in process of restarting after being shut down, and petroleum production can take several days. An additional five refineries are operating at reduced rates (*DoE SitRep, September 9, 2017, 8:30 a.m. EDT*)

☐ Pipeline/HAZMAT

- The EPA and the TCEQ continue to get updates about the status of specific sites from the parties responsible for ongoing cleanup of the sites. The TCEQ has completed the assessment of all 17 state Superfund sites in the affected area. There were no major issues noted. The TCEQ will continue to monitor sites to ensure no further action is needed in regards to the storm.

☐ Rail

- All southeast Texas industrial leads have returned to service except two on the Union Pacific Railroad but both should be back in service on September 9; Amtrak route between San Antonio and New Orleans operating limited service

ECONOMIC RECOVERY

☐ Small Business Administration

SBA Business Loans (as of 09/09/2017)

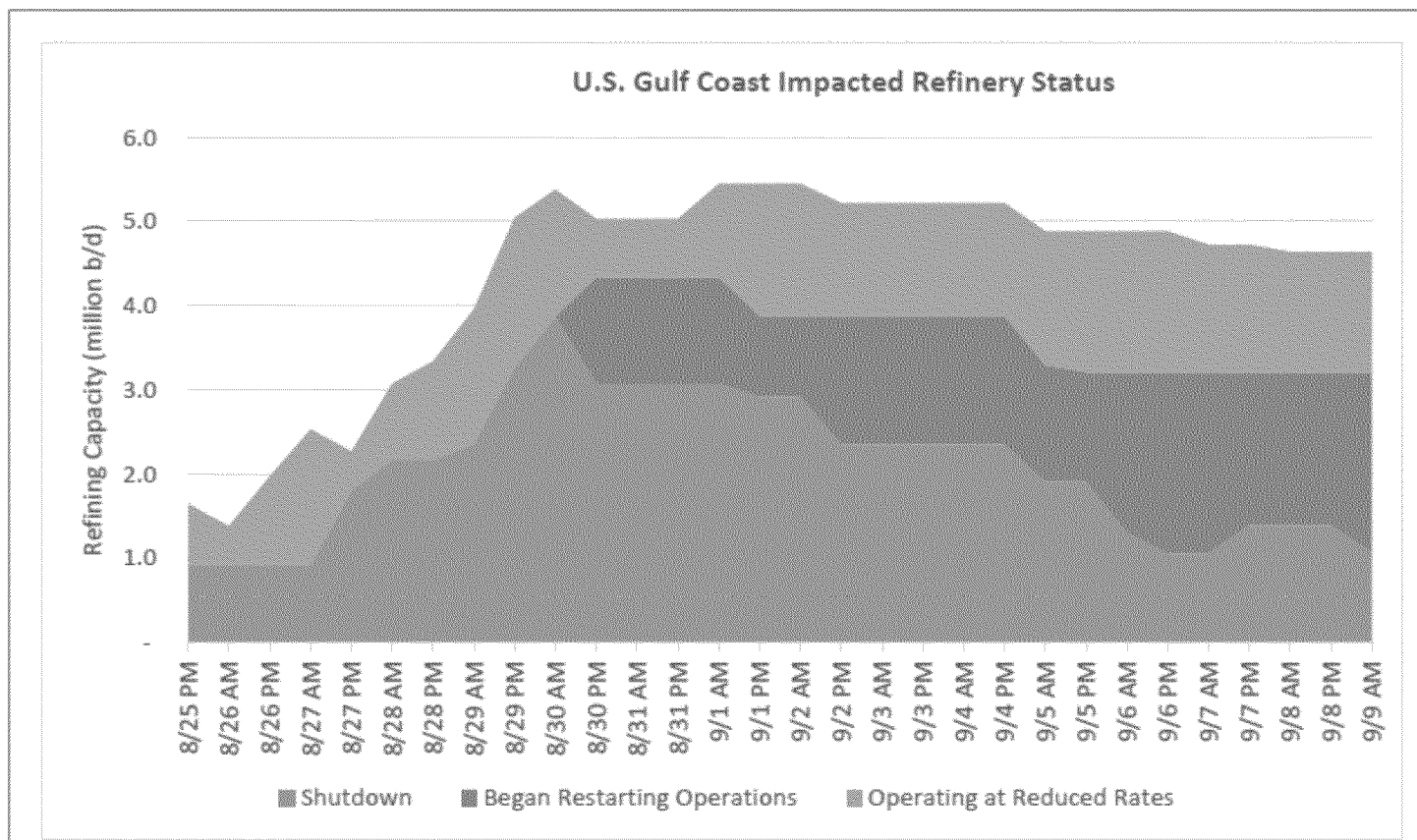
State	Applications Received	Applications Approved	Loan \$ Approved	Average Loan Amount
-------	-----------------------	-----------------------	------------------	---------------------

Texas	993	74	\$6,608,400	\$89,303
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☐ **USDA Risk Management Agency**

- 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 (17-BR) 72 hour requirement.
- RMA has authorized Approved Insurance Providers to consider individual circumstances in accepting delayed notices of loss. Initial reportable numbers may be available on September 12.

(ESF-10 Daily Sitrep, September 8, 2017, 12:19 p.m. EDT)



(DoE SitRep, September 9, 2017, 8:30 a.m. EDT)

Responder Lodging

- USTS Empire State (650 beds) was delayed due to current weather conditions, and is now anticipated to arrive in Beaumont, TX around September 18; SS Kennedy (600 beds) anticipated to arrive in Houston, TX September 18

Hurricane Harvey/Irma Policy Coordinating Committee
Agenda
September 9, 2017

Opening Remarks Ryan Jackson
 Barry Breen

Situational Updates

For each situational update would you please address the following topic areas in addition to Regional/Program specific highlights:

- What are you being asked to do/support from our Federal, State and Local partners?
- Are there actions you are considering leaning forward on to address a need or expedite our response activities?
- Are there program policy, legal, or resource issues impacting your operations?

Region 2
Region 4
Region 3
OPA
OLEM

Harvey Update Region 6

General Discussion

Next Meeting

Hurricane Irma Policy Coordinating Committee
Draft Incident Management Objectives
September 6, 2017

Objective 1: Ensure that health and safety of the EPA response is considered at all times.

Objective 2: Establish an incident management structure and processes employing the Incident Command System to enable effective overall management of the event with deployment of resources (staff and equipment) in a rapid, aggressive and well-coordinated manner.

Objective 3: Ensure prompt Review and Processing of Fuel Waiver requests.

Objective 4: Prepare for and provide Rapid Assessment of Industrial facilities as requested by the State or under EPA's statutory program responsibilities for CERCLA Superfund, RMP and FRP facilities. Working with our state partners, contact industrial sources within the impacted area to determine their operational status and determine what support can be provided with the monitoring of the start-up of industrial sources.

Objective 5: Prepare for and provide Rapid Assessment & Technical Assistance Drinking Water & Wastewater facilities as requested by the State or local government. EPA will support our state partners in contacting drinking water and waste water systems.

Objective 6: Prepare a Sustained Response Plan that outlines the resource and equipment needs for a long duration response.

Objective 7: Activate the Agency's Crisis Communication Plan to insure effective and efficient coordination of all incident communications.

Objective 8: Encourage a collaborative federalism approach, where national, state and local governments interact cooperatively and collectively to solve common problems.

- ☐ The EPA and USCG continued to coordinate with State, Tribal, and Federal partners regarding planned operations in Florida, including Debris Management, Hazardous Material Recovery, Drinking Water and Wastewater related issues.
- ☐ **CURRENT STORM STATUS**
 - ☐ Hurricane Irma is making landfall in Key West, Florida with sustained winds of 130 miles per hour (mph). The storm surge is anticipated to be 5- to 15-feet.
 - ☐ The storm is anticipated to pass Tampa, Florida, early Monday morning. The current trajectory has Irma impacting Alabama and Western Georgia (Tuesday morning), as a tropical storm and Memphis, TN area (Wednesday morning), as a tropical depression.
 - ☐ The estimated rainfall in Florida and southeast Georgia is 8- to 15-inches with isolated areas receiving up to 20 inches.
 - ☐ There will be an increased threat of tornadoes in impacted areas.

SITREP #4 REPEATED FOR ADDITIONAL SITUATIONAL AWARENESS

REOC STATUS AND ACTIVITIES

PLANNING AND PREPARATIONS

The EPA Region 4 Regional Emergency Operations Center (REOC) maintains a Level 3 activation. The following positions have been activated in the REOC and a table is provided below:

- ☐ REOC Manager
- ☐ Public Information Officer (PIO)
- ☐ Logistics Section Chief
- ☐ Planning Section Chief
- ☐ Situation Unit Leader with START support
- ☐ Resource Unit Leader
- ☐ Documentation Unit Leader
- ☐ Environmental Unit Leader
- ☐ Safety Officer
- ☐ Finance Section Chief
- ☐ GIS Support (START)

Table 1. Current Region 4 Staffing					
Personnel	EPA R4 Atlanta	FEMA Atlanta	Florida SEOC	Broward	Palm Beach
EPA Region 4	44	1	2	1	1
START	2	0	0	0	0

FEMA RRCC

- ☐ The EPA Region 4 is currently operating under a Federal Operations Support (FOS) MA for \$35,000 to support staffing the ESF-10 desk at the FEMA Regional Response Coordination Center (RRCC) and the Florida State Emergency Operation Center (SEOC).
- ☐ On September 7, 2017, Florida requested EPA assistance in the formation and deployment of 12 Hazardous Assessment Response Teams with appropriate resources to conduct assessments at

targeted hazardous substance and oil facilities as identified by SEOC ESF-10. Funding for this MA was approved September 9, 2017.

- ☐ ESF-10 MAs have been issued to provide Hazard Assessment Response teams. Targeted facilities will be identified by and assessments directed through the ESF-10 desk at the Florida SEOC.
 - ☐ The request is being divided between EPA and the U.S. Coast Guard (USCG) with EPA receiving \$525,000 and USCG receiving \$150,000. The period of performance is from September 10 to 25, 2017.
- ☐ All direct Federal assistance

HEALTH & SAFETY

- ☐ Safety Officer continued to communicate with personnel regarding health and safety and vaccine status.
- ☐ Safety Officer continued to work on Health and Safety request from the Regional Readiness Center (RRC) and REOC.
- ☐ Health and Safety requirements include: personnel review and approval by safety officer or regional safety health and environmental manager, medical clearance physical and training, vaccines (Hepatitis A, Hepatitis B, and Tetanus).
- ☐ Safety Officer continued drafting Health and Safety Plans and other site related Safety documents.

NATIONAL PRIORITY SITES

- ☐ The R4 Emergency Response program coordinated the remove of three drums at Anodyne, Inc. Superfund Site containing Investigation Derived Waste (IDW) generated during a recent sampling event.
- ☐ The R4 Remedial program has completed rapid assessment of all **90** remedial sites within the state of Florida.
 - ☐ Follow up information gathering on four sites identified as medium to high risk resulted in following:
 1. Cabot Koppers and Airco Plating Company are groundwater remediation sites, and the vulnerability was identified as a disruption in pump and treat should flooding occur.
 2. Tyndall Air Force Base was determined to be low vulnerability as it is still in the Remedial Investigation/Feasibility Study (RI/FS) stage (no remediation occurring).
 3. Homestead Air Force Base was rated as high due to potential for structural damage (similar to what occurred during Andrew in 1992), not NPL component of site.

FINANCE

- ☐ EPA Region 4 received the following FEMA MA:

Table 2 FEMA Mission Assignment Status				
Mission Assignment Number	Type of Mission Assignment	Cost Share	Funding	Cost to Date
FL-17083101-EPA-01	Federal Operations Support	0%	\$35,000	\$5,460
3385EM-FL-USCG-02	Direct Federal Assistance	25%	\$525,000	NA

REGION 4 PREPARDNESS

- ☐ Due to the shifting path and movement of Irma, deployment of Assessment Teams has been delayed until conditions are more certain and safe for travel and field operations.
 - Region 5, which is providing six OSCs, to be integrated into assessment teams has been notified and is on standby until conditions are safe to mobilize to impacted areas.
- ☐ Region 4 has requested National Strike Team support from the U.S. Coast Guard to assist with assessment activities in Florida.

REGION 4 STATES

FLORIDA

Florida has issued a state of emergency in all 67 counties within the state of Florida. The Governor has issued a mandatory evacuation that covers Miami-Dade County, Broward County east of US-1, Palm Beach County, low-lying parts of Brevard County, coastal and low-lying areas of Jacksonville and Duval County, and Monroe County (Florida Keys). Florida is currently operating at their highest level of activation - Level 1, with the State Emergency Operations Center (SEOC) staffed by Division of Emergency Management personnel and all Emergency Support Functions.

GEORGIA

The Georgia SEOC is currently operating at a Level 1 (full activation and fully staffed) activation.

- ☐ On September 8, 2017, the Governor extended a state of emergency for a total of 94 counties.
- ☐ The Governor also issued a mandatory evacuation order starting September 9, 2017, for all areas east of I-95 and other parts of the States coast. Contraflow traffic plan on I-16 began at 08:00 hours.
- ☐ EPA is maintaining communication with the State to determine if an EPA representative is needed at the ESF-10 Desk in the SEOC.

SOUTH CAROLINA

The South Carolina SEOC is currently operating at Level 4 (enhanced awareness) activation. They are monitoring Hurricane Irma's path. EPA is maintaining communication with the State to determine if EPA assistance is needed. EPA does not expect a MA due to the change in storm direction.

NORTH CAROLINA

North Carolina SEOC is currently operating at Level 4 activation. They are monitoring Irma's path and EPA is maintaining communication with the State to determine if EPA assistance is needed. EPA will develop data as the storm system moves closer to North Carolina.

ALABAMA

The Alabama Emergency Management Agency (EMA) is currently operation the State EOC at a level 3 status (readiness and monitoring). Alabama Department of Environmental Management (ADEM) remains in a stand-by mode and has not been activated to the SEOC.

- ☐ On the evening of September 8, 2017, the Governor issued a full state of emergency.

TENNESSEE

Has not declared a state of emergency at this time.

REGION 4 FEDERALLY RECOGNIZED TRIBES IN POTENTIAL STORM PATH

Region 4 continues to coordinate with the Bureau of Indian Affairs.

Seminole Tribe of Florida

- ☐ Tribal leaders decided to open shelters and close Tribal business operations. An assessment has been completed by Tribal emergency management.
- ☐ Tribal leaders have requested an Emergency Declaration from the President of the United States. The request includes enforcement assistance, emergency telecommunications capabilities, and assistance with acquisition of emergency commodities. The request is currently being evaluated by FEMA.

Miccosukee Tribe of Indians of Florida

- ☐ The Tribe provided a briefing on flood potential and impact to Tribal housing. The Tribe has coordinated with USACE and local water representatives.
- ☐ The Tribe will coordinate with local partners in case pumps are needed to reduce flooding.
- ☐ FEMA Region 4 Tribal liaison and USACE will find a pre-storm solution to Tribes potential flooding issues. The Red Cross will assist with water and ice, as needed.

Catawba Indian Nation (South Carolina)

- ☐ Currently discussing emergency preparations.

Eastern Band of Cherokee Indians (North Carolina)

- ☐ Tribe is working with state to monitor hurricane's path and implement emergency response plans. No specific requests to the EPA have been made.

Poarch band of Creek Indians (Alabama)

- ☐ The Tribe is currently monitoring progress of the storm as it approaches.

AIR, PESTICIDE & TOXICS MANAGEMENT DIVISION

Fuel Waiver

- ☐ FDEP copied Region 4 on a request for an update from the Internal Revenue Service (IRS) on the status of the IRS red-dye diesel waiver. The IRS waiver is needed in conjunction with the EPA waiver to address the difference in the taxes for on-road versus non-road diesel. Region 4 shared this request with the Office of Transportation and Air Quality (OTAQ) and Office of Enforcement and Compliance Assurance (OECA) for situational awareness.
- ☐ Florida, South Carolina, and North Carolina are planning to shut down their ambient air monitoring sites located near the current projected path of Hurricane Irma.
- ☐ All Region 4 States have been contacted and offered support for the potential need for widespread mosquito control in areas impacted by Hurricane Irma.

SCIENCE AND ECOSYSTEM SUPPORT DIVISION (SESD)

- ☐ The EPA Region 4 Science and Ecosystem Support Division (SESD) Mobile Laboratory is prepared to conduct the following analyses for Drinking Water: total coliform, E. coli, fecal coliform, and enterococcus.

WATER PROTECTION DIVISION (WPD)

- The EPA Region 4 Water program participated in a call with USACE ESF-3 lead for Harvey and Irma responses. The call was intended to notify EPA that USACE would be sub-tasking EPA to assist the state and USACE with coordination activities and assessments of the water and wastewater facilities. The USACE is working on obtaining a MA.
- The WPD compiled an inventory of community drinking water systems (CWS) and publicly owned wastewater treatment plants (POTW) that may be used during post storm damage assessment (Tables 3 and 4).

Table 3 Total Number of Community Drinking Water Systems (CWS) and Total Population Served within Region 4 States and Tribal Lands		
State or Tribe	Number of CWS	Population Served
Alabama	514	5,607,481
Florida	1631	19,917,363
Georgia	1749	8,917,820
South Carolina	583	3,795,571
North Carolina	1999	8,250,007
Tennessee	472	6,921,665
Catawba (SC)	2	715
Cherokee (NC)	4	10,099
Miccosukee (FL)	1	500
Poarch (AL)	1	750
Seminole (FL)	4	7,610

Table 4 Total Number of Publically Owned Wastewater Treatment Plants (POTWs)		
State or Tribe	POTW	Other WWTP of Concern
Alabama	374	To be determined.
Florida	2,410**	To be determined.
Georgia	572	To be determined.
South Carolina	172	To be determined.
North Carolina	396	To be determined.
Tennessee	372	To be determined.
Catawba (SC)	0	
Cherokee (NC)	1	
Miccosukee (FL)	0	
Poarch (AL)	0	
Seminole (FL)	0	

** Total number of facilities in Florida's StormTracker application, which includes POTWs, non-permitted WWTPs, and industrial facilities of concern. The number will be refined as information becomes available.

REGION 4 OFFICE OF REGIONAL COUNSEL (ORC)

- ☐ The ORC provided generic property access agreement language specifically for response activities under the Stafford Act.
- ☐ ORC is researching existing legal opinions relative to private property access during a Stafford Act response.

U.S. ENVIRONMENTAL PROTECTION AGENCY
POLLUTION/SITUATION REPORT
Region 2 Hurricane Irma - Polrep/Sitrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region II

Subject: SITREP #4
Hurricane Irma - Deployment of Responders
Region 2 Hurricane Irma

Edison, NJ

To: Hurricane Irma SitRep Distribution, EPA

Thru: REOC Regional Incident Coordinator Eric Mosher; REOC Deputy Regional Incident Coordinators, Christopher Jimenez (PR), Shawna Hoppe (USVI)

From: Situation Unit

Date: 9/9/2017

Reporting Period: 1400 hours 8SEPT2017 through 1400 9SEPT2017

Executive Summary

EPA Region 2 (R2) has been activated by FEMA to respond to Hurricane Irma impacting the U.S. Virgin Islands and Puerto Rico. EPA is part of Emergency Support Function 10 (ESF-10) and currently has 6 FEMA Mission Assignments (MA) for pre-deployment planning, implementation, and deployment of personnel for damage assessments on St. Thomas, St. Croix and St. John in the U.S. Virgin Islands, and Puerto Rico, including the islands of Vieques and Culebra. Preplanning activities include establishing a Command structure to direct and manage the response, compiling a response staffing plan, creating a web site, maintaining the Common Operational Picture (COP) display, ensuring field personnel are ready and cleared to deploy, identified regulated industrial facilities such as oil and chemical storage and manufacturing facilities, as well as Superfund sites that may pose a threat of a release as a result of Irma. EPA assessment teams have been deployed to Puerto Rico and the U.S. Virgin Islands starting on September 9, 2017. Additional EPA and contractor personnel will be deployed in the next few days as mission assignments are received from FEMA.

Currently there are 53 EPA and 5 contractor personnel involved in the response. The overall number is expected to increase dramatically as other MAs are issued by FEMA.

1. Introduction

1.1 Background

Site Number:	Contract Number:
D.O. Number:	Action Memo Date:
Response Authority: Stafford Act	Response Type: Emergency
Response Lead: FEMA	Incident Category: Removal Assessment
NPL Status:	Operable Unit:
Mobilization Date:	Start Date: 8/31/2017
Demob Date: 9/3/2017	Completion Date:
CERCLIS ID:	RCRIS ID:
ERNS No.:	State Notification:

1.1.1 Incident Category

An emergency response is warranted under the Stafford Act for responding to threats associated with Hurricane Irma. The President has made emergency declarations for all of Puerto Rico and all of the U.S. Virgin Islands. EPA is responding under these delegations and authorities.

1.1.2 Site Description and Locations

Puerto Rico is a U.S. Commonwealth consisting of a main island and smaller includes, including Culebra and Vieques. Approximately 3.4 million people live in Puerto Rico, however due to recent economic instabilities habitants have been migrating to the Continental U.S. The island is diversified in terrain with a central mountain range, southern dry zones and coastal beaches. With varied natural resources, such as El Yunque National Rain Forest and prized beaches, Puerto Rico receives many tourists each year. There are 78 municipalities throughout Puerto Rico.

The United States Virgin Islands (USVI) consists of three counties that coincide with the three largest island; St. Thomas, St. John and St. Croix. The island receives many tourists each year, particularly through the port in Charlotte Amalie, via cruise ship. Land structure is consistent with Caribbean islands in that the center areas have elevated peaks that lead to flat coastal areas.

1.1.2.2 Description of Threat

Release of chemicals and petroleum products as a direct result of high winds and flooding. Damage to facilities located within impacted areas have the potential to transport containers, chemical waste, and process equipment that contain hazardous materials. High winds have the potential to collapse chemical and oil storage tanks and damage on-shore chemical facilities. Water and wind damage to commercial and residential buildings can generate large amounts of household hazardous waste (HHW) which poses a threat to the public and the environment. Because of the insular nature of the impacted areas there is an additional threat of releases of chemicals and petroleum products into sensitive shoreline areas including Green turtle breeding grounds, mangrove swamps, and coral reefs. In addition, there is a strong likelihood that both drinking water and wastewater treatment facilities will be severely impacted by the storm. Besides the physical damage to these facilities that may put them temporarily out of commission, there is a possibility that large cylinders of compressed gases may be dislodged and scattered by flood waters, posing a threat of release to the environment and the public.

1.2 Incident Objectives

Region 2 - Hurricane Irma Incident Objectives

The health and safety of our responders is our highest priority. Develop health and safety messages daily for all field operations.

Ensure health and safety of the public by conducting environmental assessments and operating in accordance with approved site safety plans;

Coordinate deployments and field activities with community involvement coordinator;

Generate prioritized fixed target list from FRP/SPCC/RMP and Superfund Site data sets;

Generate web-based field assessment forms for documenting abandoned oil and hazardous materials containers, fixed facility assessments, and field safety officer observations and provide them in a field-deployable format to support field operations in support of the USVI assessment MA;

Develop a six-week incident staffing plan for field and REOC duties.

Region 2 – Hurricane Irma Management Objectives

Protect the health and safety of EPA employees pre-deploying and/or responding to the storm aftermath.

Integrate EPA response assets with federal, state and local response structures

Minimize social, political, and economic adverse impacts

Keep the public, stakeholders and the media informed of response activities

Protect communities from incident hazards

Keep communities informed of incident hazards and clean up progress

Establish communication and briefing schedule with R2 senior executives and EPA Headquarters. Support a consistent communications approach agency-wide, enabling EPA to act and speak in unison during these incidents.

Provide situation reports and other information on schedule provided by RIC

Secure all NPL and removal sites. Regulated facilities and Superfund and oil sites will be surveyed prior to storm fall if a land impact is expected.

Identify vulnerabilities at regulated facilities

Address any immediate hazardous substance releases or oil spills resulting from the storm's impact

Assist state and local agencies in ensuring safety of drinking water systems.

Monitor air quality when/if necessary in response to conditions on the ground.

Provide guidance for length of work day and deployments as it pertains to this specific event

Coordinate logistics with deployed personnel to provide transportation options, lodging, security, ground transportation on site;

Coordinate national resources to assist the Region;

Identify clearly defined roles for both Regions and Headquarters;

The response will use the Region's incident specific Data Management Plan (DMP);

In collecting, sharing, and analyzing environmental data, EPA will give primacy to data with potential human health consequences;

EPA will work to ensure that its decision-makers have access to the data and expertise they need to make decisions based on sound science;

Identify early in the response the long term recovery issues the Agency may be requested to support and determine the resource needs to support and sustain those requests to completion.

1.3 Critical Resource Needs

1. Develop work products, deliver necessary briefings, and continue making preparations to ensure the health and safety of responders.
2. Ensure staffing adjustments meet current and future operational needs.
3. Assure timely and accurate data management to enhance the operational function of the ESF #10 response effort.
4. Accurately document ESF #10 response actions and ensure it is captured in appropriate official repositories.
5. Support the regional and national public affairs needs to provide effective messaging.

Command expects to have the personnel, equipment, and financial resources available to complete all activities planned. However due to extensive infrastructure damage on St. Thomas, including the airport and lodging facilities, and personnel safety concerns, deployment of R2 assessment teams has been closely coordinated with FEMA to avoid delays.

1.4 Strategic Considerations

There are no changes to any long-term planning or changes in response strategy.

2. Current Activities

2.1 Operations Section

The RICT remains fully engaged in the response with senior meetings and briefings conducted daily. DRICs for Puerto Rico and USVI are continuing to implement their Deployment Plans in support of PR coordination activities and for Fixed Facility and Hazardous debris assessment in the Virgin Islands.

DIVISION U.S. VIRGIN ISLANDS

2 OSCs deployed to St. Croix on 9/9 to lead teams to assess fixed facilities based on prioritized targets. The prioritization takes into consideration SLOSH modeling, RMP chemical facilities, and large oil storage facilities from the FRP and SPCC programs.

1 OSC deployed to St. Croix on 9/9 to lead teams to assess potentially contaminated hazardous debris. These assessments are being coordinated with the Army Corp of Engineers. One additional OSC to be deployed at a time TBD.

DIVISION PUERTO RICO

1 OSC deployed to Puerto Rico on 9/9/17 to lead a team to coordinate with the Commonwealth of Puerto Rico, to determine needs based strategies for addressing environmental incidents caused by Hurricane Irma. The prioritization takes into consideration SLOSH modeling, RMP chemical facilities, and large oil storage facilities from the FRP and SPCC programs.

2 OSCs continued coordination activities in the FEMA EOC in Puerto Rico. Their activities included assisting Commonwealth representatives through the Mission Assignment process, as well as confirming coordinating agency contact information that field assessment teams on PR and VI will use.

2.2 Planning Section

The Planning Section continues to organize operational status reports, plan for field operations, and assist with needs in support of operations. The utilization of FlexViewer will allow tracking of response activities and accomplishments. EPA personnel working in various regional offices are able to view data, generate maps, and maintain awareness of the Common Operating Picture.

Continue preparations for operating the RICT and deploy personnel to impacted areas of Region 2.
Maintain Flex Viewer and begin to populate viewer with data as the assessment teams begin their ground mission.

2.2.1 Resources

Total EPA/Contractor personnel: 68
REOC (Edison) + Colts Neck = 35
Other EPA: 27
8 RSTs are included in that number

Puerto Rico JFO: 3
2 are present, 1 is en route today

Virgin Islands: 3
3 are in route

2.2.2 Environmental Unit:

Region 2 Environmental Unit Leader (EUL) in conjunction with an EUL from the Region 1 National Incident Management Team continue to review Quality Assurance Project Plans (QAPPs) used in the Superstorm Sandy Response.

The EUL has been communicating with Operations to prepare for potential sampling activities once the branch teams in the PR and VI complete their reconnaissance activities and will continue to update the QAPPs/SOPs once information becomes available. EUL has been reviewing documents coming out of Region 6's Harvey Response to get an idea on document needs going forward with the Irma Response efforts.

2.3 Logistics Section

Logistics is creating a list of hotels available in USVI in preparation for deployments.

Comm plan is being revised with new information.

2.4 Finance Section

2.4.1 Narrative

As of 9/9 4 MAs have been issued to R2 to maintain REOC ops and deploy assessment teams to the impacted areas.

The Governor of Puerto Rico submitted a request for a major disaster declaration on Thursday evening, and the President is expected to approve the request today. The request for a MA to conduct environmental assessments in PR was amended and increased, and is in the approval process. We expect that this MA will be funded shortly after FEMA is able to issue MA's under the major declaration.

ESF-10 desk continues to work with FEMA on processing of additional Mission Assignments for RRCC/JFO/EPA EOC staffing and assessments, and environmental assessments for both VI and PR.

FEMA Mission Assignments:

Mission Assignment Number	Purpose	Start Date	End Date	Amt. Available (after indirect rate)	Daily Burn Rate	Used	Balance
VI-17090102-EPA-01	Activate EPA to FEMA R2 RRC in Colts Neck, NJ to support FEMA response ops	09/02/17	09/11/17	\$8,954	\$1,080	\$7,560	\$1,394
PR-17090102-EPA-01	Activate EPA to FEMA R2 RRC and other locations as necessary for PR. For REOC pre-landfall costs.	09/01/17	09/11/17	\$17,907	\$ -	\$7,560	\$10,347
4335DR-VI-EPA-01	Activate EPA to FEMA R2 RRC in Colts Neck, NJ to support FEMA response ops	09/07/17	10/07/17	\$89,534			\$89,534
3384EM-PR-EPA-01	Activate EPA to FEMA R2 RRCC, EPA REOC, State EOC, JFO, PDA, and RNA Teams and other coordination venues to support FEMA response ops in PR	09/06/17	09/16/17	\$67,150	\$18,900	\$66,760	\$390
3383EM-VI-EPA-01	Activate EPA to FEMA RRCC, JFO, EPA REOC, State EOC, PDA and NRA Teams and other coordination venues to support FEMA response ops in VI	09/07/17	09/16/17	\$67,150	\$15,660	\$66,860	\$290
4335DR-VI-EPA-02	To perform assessment of oil	09/07/17	09/30/17	\$454,830	\$ 3,240	\$39,240	\$415,590

	and hazardous materials releases, contaminated debris and other environmental events following landfall in VI						
TOTALS				\$705,525	\$38,880	\$ 187,980	\$ 517,545

2.5 Other Command Staff

2.5.1 Safety Officer:

The Safety Officer is Greg DeAngelis and can be reached at 732-906-6874. Assistant Safety Officers have been requested for deployment to Puerto Rico and the USVI.

Safety is coordinating support for PR and USVI activities, including:

- Ensuring medical, physical, vaccinations and H&S training is completed for CIC and others who are not enrolled in the medical surveillance program.
- Ensuring the check in and demob procedures contain the appropriate safety requirements.
- Distribution of Puncture Proof Inserts for Safety Boots for those deploying to PR & USVI.
- Assistance Safety Officer (ASO) safety input on electronic assessment form.

ICS 206 Medical form for PR and USVI is complete pending input on location of the HHS DMAT and FEMA Aid stations.

Safety has coordinated for ASO Baxter's TA, Contacted CID to request CID Liaison on USVI to coordinate with law enforcement, coordinated with logistics for "Go Bags" (first aid kits, fix-a-flat, flashlight, etc), insect repellent, and sunburn lotion to be sent to the deployed personnel, published Safety Message #2, provided safety instructions for the 204s, and moved files from the web site to the safety SharePoint folders.

2.5.2 Liaison Officer

The FEMA Liaison Officer is Steve Touw (732-906-6900) and is stationed at the FEMA RRCC in Leonardo, NJ. He is forwarding updates and press releases issued by VITEMA.

FEMA is processing a MA for environmental assessments in PR under the Emergency Declaration funding, due to the delay in receiving the major disaster declaration request from the Governor of PR. That MA is expected to be finalized and funded by COB today.

Our OSC's in PR have been in communication with the ESF-10 desk, as they assist the Commonwealth government in the preparation of the Resource Request Form (RRF) for EPA to conduct oil and hazardous substances field operations. Once the RRF is in FEMA's WebEOC, the ESF-10 desk will track its progress to expedite its approval and funding.

2.5.3 Information Officer:

The PIO is Elias Rodriguez and can be reached at 212-637-3664. All press inquiries are directed to him.

PAD continues to maintain a public-facing EPA Response web site at: www.epa.gov/hurricane-irma. Note: This public-facing web site is distinct from the EPA OSC Response website for the incident which is being managed jointly by both R2 and R4.

A coordination call was held between R2, R4 and EOC PIO. Topics covered included developing site content, the need for local hotline contacts, the possibility of other EPA contact(s) for general public inquiries, logistics for content update and considering the creation of a EPA.gov page for Irma due to the complexity of reporting information from 2 regions with multiple territories and up to 5 states with anticipated impacts. The web site will continue to be updated and leveraged for maximum public utility.

Community Involvement: A third CIC was requested and is being supplied for deployment. Members of the public should be directed to EPA's toll free hotline 1-888-283-7626.

Media Inquiries: A third news release was developed by OPA with input from R2 and R4. It is scheduled to be released on Sept. 9. Reporters should email their inquiries to press@epa.gov.

2.5.4 GIS and Data

Continued edits to field collection forms and target lists for Regulated Facility inspections and Hazard Evaluation teams. Conference call to coordinate with R6 and HQ EOC regarding data reporting requirements. Continue updating the Site Specific Data Management Plan to encompass field operations and processing map requests. WebEOC: One Spill Report related to H. IRMA was received in the R2 REOC on 9/7 but was not previously reported in a SITREP.

The data team continues to work on a site specific data management plan. The team also continues to work with the Regulated Facilities Assessment Coordinator to up-load assessment reports to the Flexviewer. The data team also continues to work with the R2 Drinking Water program to update locational data for drinking water and waste water facilities in PR and VI. GIS continues to update mapping application for the response. A GIS analysis was conducted to identify NPL, Non-NPL, SPCC, RMP, and FRP sites located within potential inundation areas identified through NOAA SLOSH modeling. GIS continues to maintain the Common Operating Picture (COP) response viewer for Hurricane Irma. For additional information see Section 7.

2.5.5 Caribbean Environmental Protection Division (CEPD):

CEPD continues to integrate into the response at the FEMA interim operating facility.

2.5.6 Regulated Facility Assessment Coordinator:

The Regulated Facility Team (RFT) continues to receive email and telephone responses to EPA's post-Irma facility damage, oil spill, and chemical release assessment efforts. As facility personnel begin obtaining access to their facilities, they continue to report no spills, no chemical releases, and no upset conditions. High risk facilities in Puerto Rico and the US Virgin Islands, such as Puma, HOVENSA, PRASA, and WAPA have reported no significant damage to their oil and/or chemical operations. The RFT has contacted the VI DPNR and provided a brief update on the status of major oil and chemical facilities that have responded to the post-impact damage assessment/oil spill/chemical release mass email and phone calls. The RFT is prepared to provide technical assistance to field assessment teams currently being deployed.

2.5.7 Drinking Water and Waste Water Treatment

Puerto Rico Drinking Water Status: As of 0600 hours **189,900** PRASA service connections are without drinking water. Each service connection serves an estimated 3 people. PRASA serves 96% of the PR population (3,411,000). It is estimated that **569,700** people are without drinking water from 17cv1906 Sierra Club v. EPA

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PRASA. The total PR PRASA population without drinking water is **569,700** out of **3,274,560** (96% of 3,411,000) which represents **17.4%**. This doesn't include the non-PRASA systems which account for 4% of the PR population. PR remains under a boil water advisory.

Non-PRASA Systems EPA continues to assist PRDOH in contacting the non-PRASA communities. Two communities have been identified in need of generators: La Cuchilla, in San Lorenzo and Jaguey Chiquito in Aguada.

PRASA: All PRASA waste-water treatment plants are operational.

USVI Drinking Water Status: DPNR reports that all St. Croix drinking water and waste-water facilities are fully functional. St. Croix is currently under a drinking water advisory due to the heavy rains. St. Croix has a fully functional laboratory. DPNR reports, based on limited information, that St. Thomas and St. John are under a boil water advisory. Some of the drinking water storage tanks in St. Thomas survived the storm. VIWAPA has staff on hand and expects to start gravity feeding drinking water sometime today on St. Thomas. VIDPNR is unable to get staff to St. Thomas due to the storm damage. St. Thomas laboratory is currently offline due to power and needs a generator. There is no information on the drinking water and wastewater situation in St. John.

System ID	Name	Pop. Served	Status
PR0666056	La Cuchilla	400	No power Need a generator
PR0523105	Acueducto Dona Elena	1016	Needs to be assessed
PR0604046	Mulitas Centro	1000	Needs to be assessed
PR0613046	Turabo Arriba	1200	Needs to be assessed
PR0613366	Acueducto Sector La Sierra	2100	Needs to be assessed
PR0677016	Acueducto Rural Tejas	2460	Needs to be assessed
PR0677146	Calabazas Arriba	1800	Needs to be assessed

Note: PRASA continues to update their drinking water information 3 times a day. The only assistance PRASA requested from PRDOH is in the certification of water delivery trucks. A list of water filling stations has been posted on PRASA's website <http://www.acueductospr.com/comunicados/default?docid=78E2496DDEA37F2A0425819400724EB8> PRASA continues daily sampling at water filling station (chlorine residual concentration and total coliform/E.coli). There are no reports of positive bacteriological samples.

3. Participating Entities

3.1 Unified Command

EPA is staffing the Emergency Support Function #10 desk at the FEMA RRCC and is actively engaged in UC with federal, state and local partners.

3.2 Cooperating Agencies

United States Coast Guard (USCG)
Federal Emergency Management Agency (FEMA)
Puerto Rico Environmental Quality Board (EQB)
Puerto Rico Emergency Management Agency (PREMA)
Puerto Rico Aqueduct and Sewer Authority (PRASA)
Puerto Rico Department of Health
Department of Planning and Natural Resources (DPNR)
Virgin Islands Territorial Emergency Management Agency (VITEMA)
Virgin Islands Water and Power Authority (WAPA)
Virgin Islands Department of Health

4. Personnel On Site

Personnel are deployed to the field in Puerto Rico and the Virgin Islands. Personnel are staffing the RRCC located in Colt's Neck, NJ and the REOC in Edison, NJ.

5. Definition of Terms

Assisting and Cooperating Agencies - Agencies who are assisting the EPA response, but are not a part of Unified Command.

E Goods - Electronic machines which contain hazardous components. Emergency Response - any activity undertaken by the Operations Section which mitigated an immediate threat to human health or the environment.

FRP - Facility Response Plan. Under the Clean Water Act, as amended by the Oil Pollution Act, a plan for responding, to the maximum extent practicable, to a worst case discharge, and to a substantial threat of such a discharge, of oil. Required by certain facilities that store and use large quantities of oil.

Household Hazardous Waste - Small quantity waste from households that contain corrosive, toxic, ignitable, or reactive ingredients is hazardous. This includes pesticides, paint, solvents, etc.

Hazardous Debris - Debris which contains compounds that make it inappropriate for municipal landfill disposal

Monitoring - Using equipment which will give limited real-time information about constituents in environmental media. This method is used most often for air and water testing.

RCRA - Resource Conservation and Recovery Act.

RMP- Risk Management Plan. Under the Clean Air Act, certain facilities with large quantities of toxic potentially air born chemicals whose releases may impact human populations are required to submit to EPA a plan for hazard assessment, prevention, and emergency response.

Sampling -The process of taking environmental media for analysis at a laboratory of its constituents. These tests may require multiple days to complete, but test for a wider array of constituents than monitors.

Small Container - any container with a potential capacity of less than 5 gallons.

TRI - Toxic Release Inventory - A publicly available EPA database that contains information on toxic chemical releases and other waste management activities reported annually by certain covered industry groups as well as federal facilities. This inventory was established under the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) and expanded by the Pollution Prevention Act of 1990.

Unified Command - A structure based on the Incident Command System (ICS) that brings together the Incident Commanders of all major organizations involved in the incident in order to coordinate an effective response, while at the same time allowing each to carry out their own jurisdictional, legal, and functional responsibilities.

White Goods - Large home electronics such as refrigerators, washing machines, and dryers.

WW - Wastewater Treatment Facilities

6. Additional sources of information

https://m.youtube.com/watch?v=0YE7M_lwkqQ

www.nhc.noaa.gov

www.epa.gov

www.pr.gov

www.vi.gov

7. Situational Reference Materials

Situational updates from the field and the Command and General Staff members are due to the Situation Unit by 1400 hours daily. Situation Reports are projected to be distributed by 1700 hours daily.

The REOC has established a dedicated viewer for presenting a Common Operating Picture (COP). The viewer can be accessed by visiting <https://r2.ercloud.org/er/irma/viewer.aspx>. Region 2 OSCs can access the viewer by inputting their TRACE credentials. Those that do not have access can request authorization by clicking on the "Request Access" tab.