The Disaster Center is dedicated to the idea that disaster mitigation is cost effective and individuals pursuing their own interest are the greatest potential force for disaster reduction.

Please consider making a small donation to the Disaster Center



When disaster mitigation is cost effective, we are on the road to bringing disasters to an end.



FEMA

Daily Operations Briefing

Friday, September 8, 2017

8:30 a.m. EDT

Significant Activity – Sep 7-8



Significant Events: Response to Harvey; Hurricane Irma, Hurricane Jose **Tropical Activity:**

- Atlantic Hurricane Irma (CAT 4); Hurricane Jose (CAT 3); Hurricane Katia (CAT 1); Disturbance 1 Low (near 0%)
- Eastern Pacific No tropical cyclones expected next 5 days
- Central Pacific No tropical cyclones expected next 5 days
- Western Pacific Invest 94W High

Significant Weather:

- Flash flooding Possible CA, NV, AZ, & UT
- Red Flag Warnings MT, UT & OR
- Elevated fire weather MT, ND & SD; isolated dry thunderstorms ID, MT, NV, UT & WY
- Space weather:
 - Past 24 hours: Severe; geomagnetic storms reaching G4 level, solar radiation storms reaching S2 level, and radio blackouts reaching R3 level occurred
 - Next 24 hours: Strong; geomagnetic storms reaching G3 level, solar radiation storms reaching S2 level, and radio blackouts reaching R2 level expected

Earthquake Activity: M8.1 off coast of Mexico

Declaration Activity:

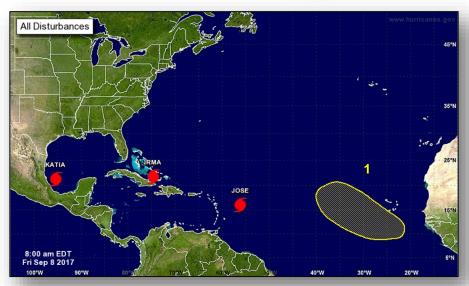
- Major Disaster Declaration approved U.S. Virgin Islands
- Emergency Declaration approved South Carolina
- Emergency Declaration Request Georgia

Tropical Outlook – Atlantic



Disturbance 1 (8:00 a.m. EDT)

- Expected to emerge off coast of Africa by tomorrow morning
- Moving WNW over eastern Atlantic Ocean
- Conditions only expected to support gradual development through early next week
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (20%)



Hurricane Irma



Hurricane IRMA (CAT 4) (Advisory #37A, as of 8:00 a.m. EDT)

- Located 450 miles SE of Miami, FL
- Moving WNW at 16 mph; turn NW expected late Saturday
- Maximum sustained winds 150 mph; some fluctuations in intensity likely next day or two, but forecast to remain a Category 4 or 5 hurricane
- Hurricane force winds extend 70 miles; tropical storm force winds extend 185 miles
- Hurricane and Storm Surge Watches and Warnings in effect

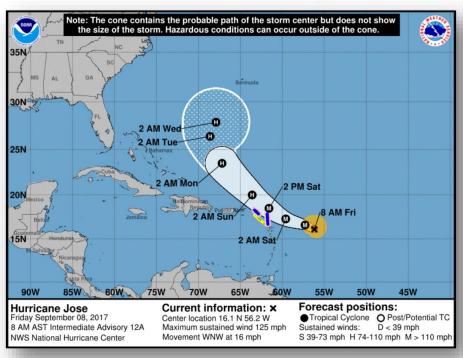


Hurricane Jose



Hurricane JOSE (CAT 3) (Advisory #12A, as of 8:00 a.m. EDT)

- Located 480 miles ESE of northern Leeward Islands
- Moving WNW at 16 mph
- Maximum sustained winds 125 mph
- Some slight strengthening possible later today or tonight
- Hurricane force winds extend 35 miles; tropical storm force winds extend 115 miles



Hurricane Katia



Hurricane KATIA (CAT 1) (Advisory #11A, as of 8:00 a.m. EDT)

- Located 140 miles NNE of Veracruz, Mexico
- Moving WSW at 3 mph; this general motion expected to continue until it makes landfall early Saturday
- Maximum sustained winds 90 mph; some additional strengthening forecast next day or so; could be near major hurricane strength at landfall
- Hurricane force winds extend 10 miles; tropical storm force winds extend 60 miles



Hurricane Irma



FEMA Region II

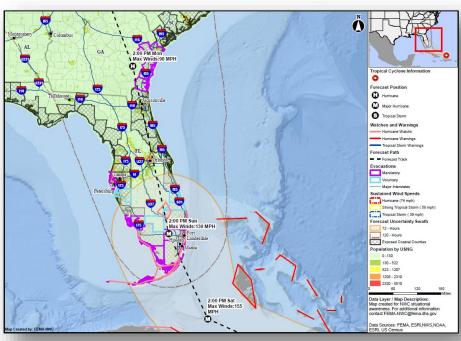
- RRCC: Level I (day shift); Level II (night shift) Watch: Steady State
- Emergency Declarations for PR and USVI; USVI and PR EOCs: Full Activation
- IMAT A: Deployed to St. Croix, USVI
- IMAT B: Deployed to USVI
- IMAT C: Deployed to PR
- Maynard MERS deployed to USVI and PR
- USACE, DMAT, and USGS in PR
- Ports in USVI and PR are closed (port condition ZULU)
- USVI: six shelters with 298 occupants (ESF-6 Update, September 7, 2017 8:23 a.m. EDT)

FEMA Region III

- RRCC: Level III (day shift only)
- IMAT-1: deployed to WV (for FEMA-4331-DR-WV)
- IMAT Purple: deployed to VA EOC

FEMA Region IV

- RRCC: Level I (24/7)
- IMAT-1: deployed to FL; IMAT-2: deployed to SC
- LNO deployed to FL, NC, SC, GA EOCs
- Regional Hurricane Liaison Team (HLT) deployed to NHC
- FL, GA & SC EOCs at Full Activation; TN and NC EOCs at Monitoring
- · GA, NC, and SC Governors declared States of Emergency

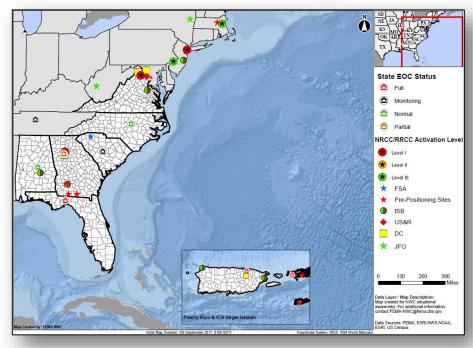


Hurricane Irma



FEMA HQ

- NRCC: Level I (24/7) with all ESFs and LNOs; NWC: Steady State
- National IMAT-East 1 deployed to GA EOC
- National IMAT-East 2 deployed to FL EOC
- FEMA Corps: Teams deployed to PR (1) and Atlanta, GA (1)
- Region X IMAT: Deployed to PR
- ISB at Randolph AFB, TX to support air operations; resources staged in GA, FL, PR and USVI
- US&R: VA-TF1 deployed to PR; Red IST staged in VA; eight Task Forces and three HEPPs standing by



Tropical Cyclone Harvey



Current Situation:

Response and recovery efforts continue; area rivers and bayous will continue to fall below major flood stage

Impacts:

- FEMA Modeling indicates of 2.7M homes across 29 counties impacted
- Transportation: flooding continues to hinder traffic on roads and bridges
- Communications: 103k landline customers out of service
- Medical: 7 hospitals remain closed
- Power Outages: 27k (-13) customers without power in TX (as of 8:00 a.m. EDT*)

Response:

FEMA Region VI

- RRCC: Level II (24/7); RWC: Steady State
- Region VI IMAT-1: Deployed to TX
- Region VI IMAT-2: Deployed to TX
- LNOs: deployed to TX
- TX EOC at Full Activation

FEMA Headquarters

- NRCC: Level I (24/7) with all ESFs and LNOs; NWC: Steady State
- National IMAT West: Deployed to Austin, TX
- Region V, VII and VIII IMATs deployed to TX
- ISBs: Seguin, TX; Camp Beauregard, LA; Randolph, TX
- MERS: MCOVs in TX
- FEMA Corps: 42 teams (315 members) deployed

*Note: Customer outage data is provided by the Department of Energy's EAGLE-I system. Comprehensive National coverage of all electrical service providers is not available.

Tropical Outlook – Eastern Pacific







48-Hour Outlook

5 Day Outlook

Tropical Outlook – Central Pacific







48-Hour Outlook

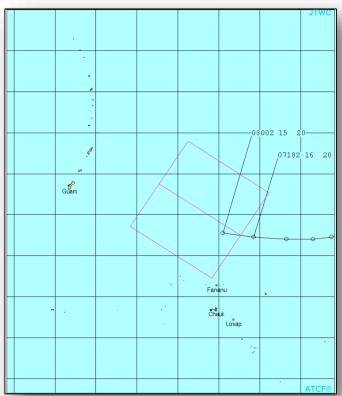
5 Day Outlook

Tropical Outlook – Western Pacific



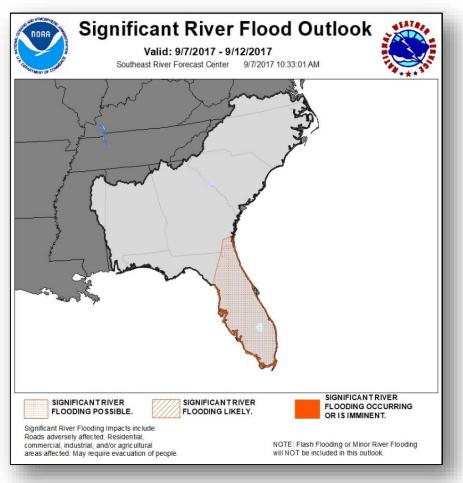
Invest 94W (as of 10:00 p.m. EDT)

- Located 259 miles N of Chuuk Island, Federated States of Micronesia (FSM)
- · Moving W at 17 mph
- Maximum sustained winds 21-26 mph
- Significant development indicated within 24-48 hours
- · Formation chance next 24 hours: High
- Tropical Cyclone Formation Alert (TCFA) issued



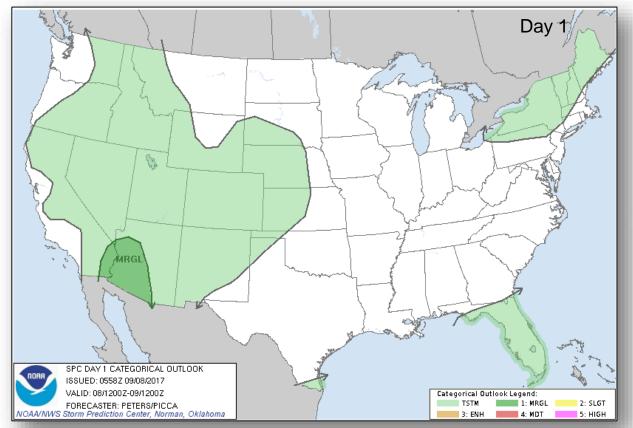
Southeast River Flood Outlook

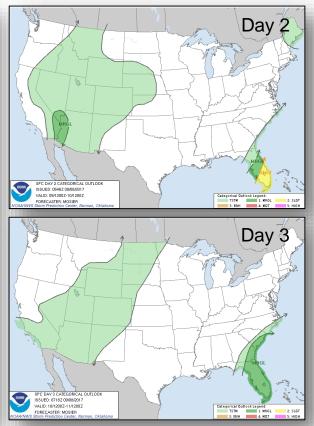




Severe Weather Outlook – Days 1-3

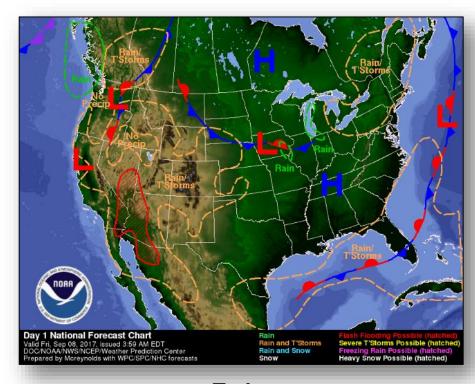


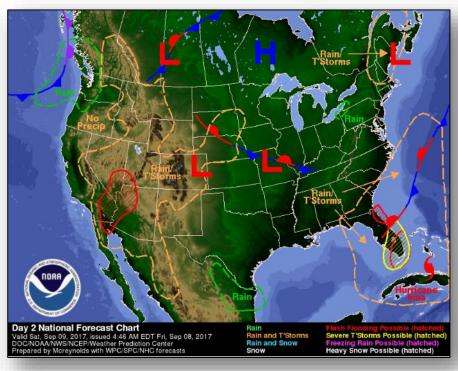




National Weather Forecast



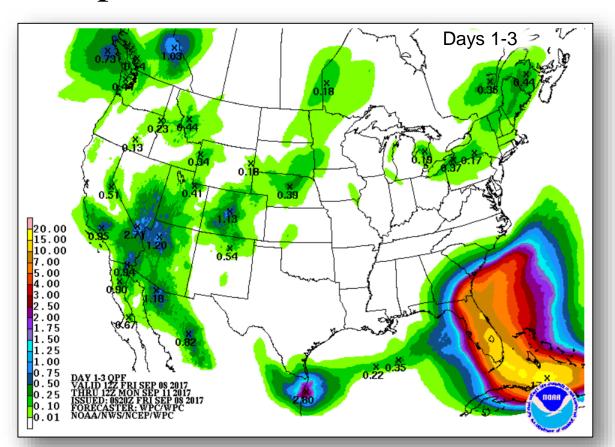


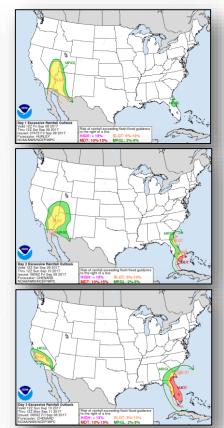


Today Tomorrow

Precipitation Forecast







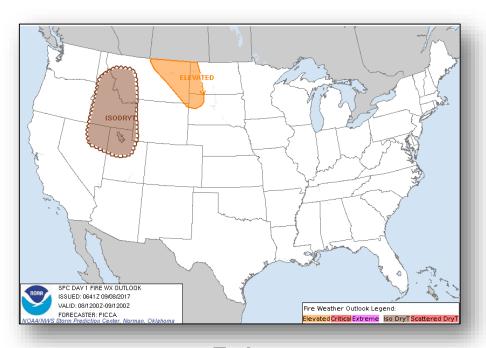
Day 1

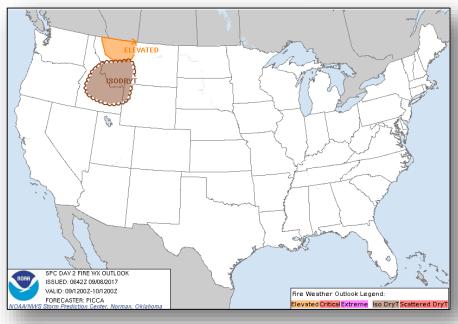
Day 2

Day 3

Fire Weather Outlook



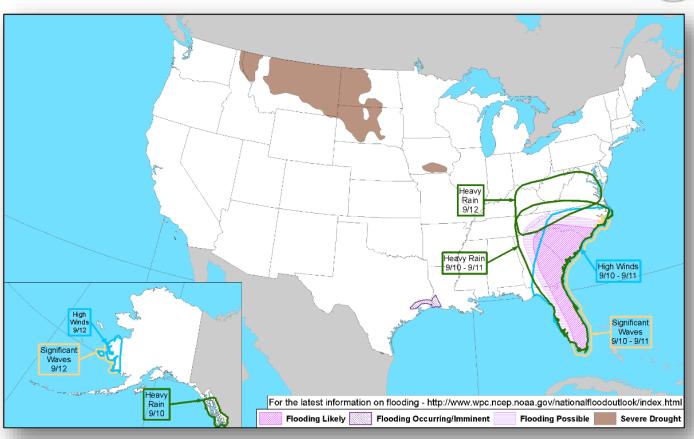




Today Tomorrow

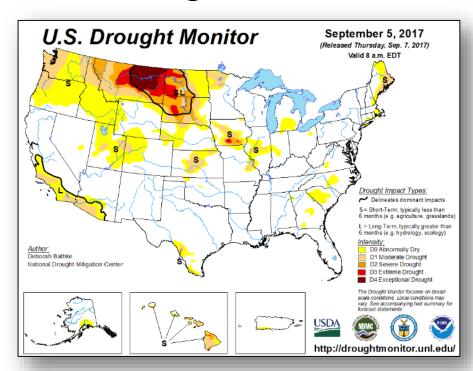
Hazards Outlook – Sep 10-14

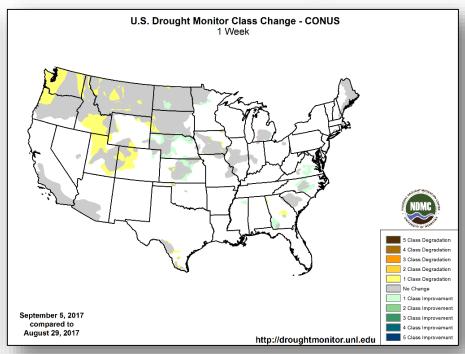




U.S. Drought Monitor







Space Weather



	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	Severe	G4	S2	R3
Next 24 Hours	Strong	G3	S2	R2

For further information on NOAA Space Weather Scales refer to http://www.swpc.noaa.gov/noaa-scales-explanation

Highest Frequency Affected by 1dB Absorption

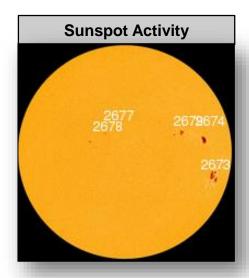
This 20 Degraded Frequency (MHz)

Believated X—ray flux

Product Volid At: 2017-09-08 08:31 UTC

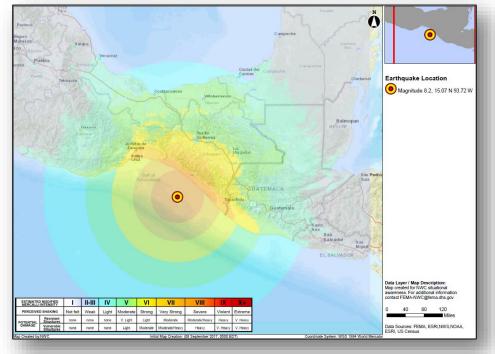
HFF Communication Impact

Communi



Significant Earthquake Activity





M8.1 Offshore of Chiapas, Mexico

- Occurred at 12:49 a.m. EDT, September 8, 2017
 - o 60 miles SW of Chiapas, Mexico
 - Depth of 22 miles
- Red PAGER Alert issued indicating high casualties and extensive damage are probable and the disaster is likely widespread. Estimated economic losses are less than 1% of the GDP of Mexico
- Level VIII on Modified Mercalli Intensity scale 547k exposed to severe shaking
- Media reports 6 fatalities and widespread damage
- Government of Mexico has not requested international assistance
- No FEMA employees on official travel in Mexico
- No major tsunami threat to Hawaii, Guam/CNMI, American Samoa or other U.S. interests

Wildfire Summary



Fire Name	FMAG #	Acres	Percent	Evacuations		Fatalities						
(County)	(Approved Date)	Burned	Contained	(Residents)	Threatened	Damaged	Destroyed	/ Injuries				
	California (4)											
Helena (Trinity)	5199-FM-CA Sept 1, 2017	20,292 (+4,412)	40% (+10)	Mandatory	5,250 (4,000 homes)	8 (4 homes)	133 (72 homes)	0/2				
Railroad (Madera & Mariposa)	5202-FM-CA Sept 2, 2017	12,099 (+496)	50% (+7)	Mandatory	511 (500 homes)	0	17 (5 homes)	1/5				
Mission (Madera)	5204-FM-CA Sept 4, 2017	1,035	40% (+25)	Mandatory	237 (237 homes)	8 (4 homes)	3 (3 homes)	0/0				
Pier (Tulare)	5205-FM-CA Sept 5, 2017	24,225 (+3,966)	35% (+10)	Mandatory	604 (604 homes)	0	2	0/5				
				Oregon (2)								
Chetco Bar (Curry)	5198-FM-OR August 20, 2017	177,301 (+531)	5%	Mandatory	12,286 (8,523 homes)	9 (1 home)	30 (6 homes)	0/3				
Eagle Creek (Hood River)	5203-FM-OR Sept 3, 2017	33,382 (+2,453)	7% (+2)	Mandatory	5,230 (5,230 homes)	0	4 (4 homes)	0/0				
	Washington (1)											
Jolly Mountain (Kittitas)	5200-FM-WA Sept 2, 2017	26,325 (+1,811)	8% (+3)	Mandatory	5,277 (4,204 homes)	0	0	0 / 5 (+1)				

Joint Preliminary Damage Assessments



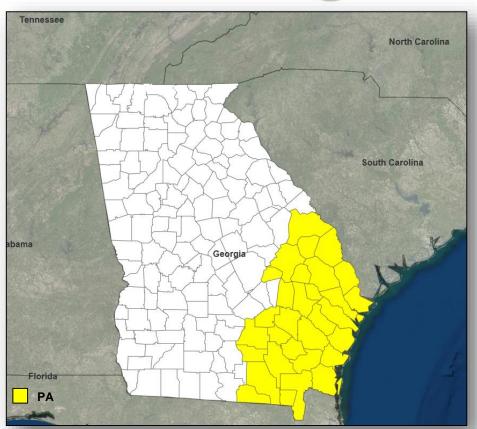
Dogion	State /	Event		Number o	f Counties	Start – End	
Region	Location	Event	IA/PA	Requested	Completed	Start – End	
\/I	VI NM	Severe Storms	IA	0	0	N/A	
VI		August 3, 2017	PA	1	0	Sep 6 – TBD	
IX	AZ	Excessive Rainfall	IA	0	0	N/A	
'^	AZ	July 23-24, 2017	PA	1	0	Sep 6 – TBD	

Declaration Request



Georgia

- Governor requested an Emergency Declaration on September 7, 2017 for the State of Georgia
- For Hurricane Irma beginning on September 7, 2017 and continuing
- Requesting:
 - Debris removal and emergency protective measures (Categories A and B), including direct federal assistance under the Public Assistance program for 30 counties

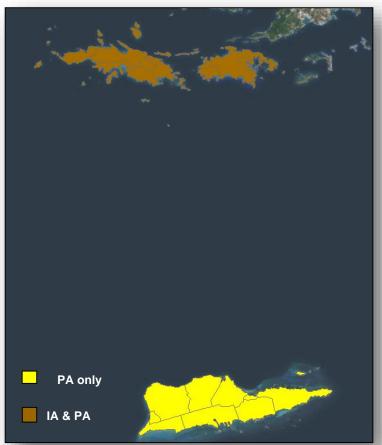


Declaration Approved

FEMA-4335-EM-USVI

- Emergency Declaration approved September 7, 2017 for the Territory of the U.S. Virgin Islands
- For Hurricane Irma beginning on September 6, 2017 and continuing
- · Provides:
 - Individual Assistance for the islands of St. John and St. Thomas
 - Debris removal and emergency protective measures (Categories A and B), including direct federal assistance, under the Public Assistance program, for all islands in the Territory of the U.S. Virgin Islands:
- · FCO is William L. Vogel





Declaration Approved



FEMA-3386-EM-SC

- Emergency Declaration approved September 7, 2017 for the state of South Carolina
- For Hurricane Irma beginning on September 6, 2017 and continuing
- · Provides:
 - Emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75 percent federal funding, for all 46 counties and the Catawba Indian Nation
- FCO is Willie G. Nunn



Disaster Requests & Declarations



Declaration Requests in Proce	Requests APPROVED (since last report)	Requests DENIED (since last report)				
9	IA	PA	нм	Requested	2	0
NY – DR (Expedited) Flooding	Х	Х	Х	July 6, 2017		
ID – DR Flooding		Х	Х	July 20, 2017		
ND – DR Drought	Х	Х	Х	August 7, 2017		
WI – DR Severe Storms, Straight-line Winds, Flooding, Landslides, Mudslides		Х	Х	August 23, 2017		
ND – Severe Storms		Х	Х	August 24, 2017		
KS – DR Severe Storms, Straight-line Winds, and Flooding		Х	Х	August 31, 2017		
IL – DR Severe Storms and Flooding	Х		Х	August 31, 2017		
NY – DR Severe Storms, Tornadoes, and Flooding	Х		Х	August 31, 2017		
GA – EM Hurricane Irma		Х		September 7, 2017		
USVI – DR (Expedited) Hurricane Irma	Х	Х	Х	September 6, 2017	Declared September 7, 2017	
SC – EM Hurricane Irma				September 6, 2017	Declared September 7, 2017	

Readiness – Deployable Teams and Assets



Resource	Force Strength	Available	Deployed	Other		vith Less than 25% LOG: 1% (14/1,100						
Total Workfo	rce 10,963 ▼	1,898 ▼ 17%	7,010 ▼	2,055		PS: 18% (46/250);				, , , , , , , , , , , , , , , , , , , ,	. ,	
National	East 1:	Deployed	4309-DR-WA Closing 09/8/2017	4310/13/3 Closing 09		4319-DR-KS JFO: Wichita, KS		4334-DR-IA VJFO: Kansas City, MO	* * *	4322-DR-NY JFO: Albany, NY	4316-DR-NH 4329-DR-NH	Field Offices 🛨
IMATs*	East 2:	Deployed	JFO: Camp Murray, WA FCO: Thomas J. Dargan	JFO: Boise		FCO: David G. Samaniego		4317-DR-MO JFO: Jefferson City, MO		FCO: Seamus K. Leary	VJFO: Maynard, MA FCO: Albert Lewis	JFOs: 16 DRs: 28
(1-2 Teams)	West:	Deployed	Bothell MERS (JFO) 4328-DR-OR			DR-ND DR-WY	I321-DR-NE	FCO: Michael L. Parker	-MI		5/2	EMs: 5 Deployed Teams
D	Assigned:	13	Closing 09/8/2017 JFO: Salem, OR	/	VJFO:	Denver, CO	I325-DR-NE FO: Lincoln, NE	JFO: Mid FCO: Ste			Transact C	(Location)
Regional	Available:	0	FCO: Willie G. Nunn 4303-DR-NV*		The state of the s	F	CO: Dolph A. Die	emont	4331-DR-W		Crisis Actio	on Planning Team IST (Staged in Herndon)
IMATs (0-3 Teams)	PMC / NMC:	0	4307-DR-NV Closing 09/22/2017		727	A / Mr /	G.	- Johnson	JFO: Charles FCO: Steven			ior (orașea iii rierriaori)
(U-3 Teams)	Deployed:	13	JFO: Carson City, NV FCO: David Haas	1	GR L	1	和包里	NE POR				
	Assigned:	28	*R-IX IMAT-1 (JFO)	and the same of th	75/1	SED LETT	\$) \ w 4				
US&R	Available:	10	4301-DR-CA 4305-DR-CA 4302-DR-HVT	A STATE OF THE STA	1				磨型			
(<u><</u> 33%)	PMC / NMC:	3	4302-DR-HVT 4308-DR-CA* 4312-DR-RRT		NV	1			IN OH	VA EOC		
	Deployed:	15	JFO: Sacramento, CA FCO: Timothy J. Scranton	No.	八人	TO 100			James 1	R-III IMAT		
	Assigned:	36	*R-IX IMAT-2 (JFO)	M. M.	1				MIN X	4285-DR-No	n, NC	
MERS	Available:	12		200	Y		ox	7	IN COL	FCO: Elizabe		
(<u><</u> 33%)	NMC:	0	Tropical Cyclone Harvey (4	332-DR / 3382-EM)	T T	AZ NM		AR F	1	JFO: TBD FCO: Willie	G. Nunn	
	Deployed:	24	Maynard & Denver MERS Louisiana:					LE WAY LE	AL CA	SC EOC R-IV IMAT-2		
	Assigned:	36	Denton MERS (LA EOC) ISB Team Alpha (Camp Beau	uregard)	4332-I	DR-TX ustin, TX	THE		Jaran In	FEMA R-IV	но	
FCO	Available:	5	Texas: N-IMAT W, R-VI 2 & R-VIII II			Cevin L. Hannes		A COLUMN	7	FL FEMA Corps N-IMAT E-1	s - 15 Teams	35-DR-USVI
(<u><</u> 1 Type I)	PMC / NMC:	3	R-V IMAT (San Antonio, TX) R-VI IMAT 1 (Corpus Christi, R-VII IMAT (Houston, TX)		4277-I 3382-I		1	and the same of th		The state of the s	33	B3-EM-USVI D: TBD
	Deployed:	28	ISB Team Bravo (DC Ft. World ISB Team Charlie (Seguin, T.		JFO: B	aton Rouge, LA Villiam J. Doran III	AA		2005 514 51	3384-EM-PR	FC	D: William L. Vogel
	Assigned:	11	MERS Teams x21 (Southeas		LA Re	covery Office			JFO: TBD FCO: Justo Her	JFO: TBD	Ma	aynard MERS (St Thomas)
EDDO	Available:	3	- Blue IST (College Station, 7 - Type 1 Team x2 (Southeas		Mana	Rouge, LA ger: M. Womack			N-IMAT-E2	R-X IMAT – (PR)	Lucumpu	
FDRC	PMC / NMC:	2	- Type 3 Team x3 (Southeas - HEPP Team x3 (Southeaste	tern, TX)		n MERS (JFO)	7		R-IV IMAT-1 Maynard MERS		e Airport)	The state of the s
	Deployed:	6	- MRP Team x4 (Southeaste		As of 3:00 a	.m. EDT September 8, 2017		7		ISB (R. Hernandez Maynard MERS (H		69

^{*}B-2 Status: Assemble < 2-hrs, On Site < 18-hrs; B-48 Status: Assemble and deploy < 48hrs; Charlie Status: No team assemble time requirement

FEMA Readiness – Activation Teams



Resource	Status	Total	Status	Activated Team	Activation Level	Activation Times	Reason/Comments
NWC		5	Not Activated				
NRCC		2	Activated	Blue	Level I	24/7	Tropical Cyclone Irma
HLT		1	Activated				Hurricane Season
RWCs/MOCs		10	Not Activated				
RRCCs		10	Activated	Region I Region II Region III Region IV Region VI	Level III Level I / Level II Level III Level I Level II	Day shift Day shift / Night shift Day shift 24/7 24/7	Tropical Cyclone Irma Tropical Cyclone Irma Tropical Cyclone Irma Tropical Cyclone Irma Tropical Cyclone Harvey

Back-up Region: V



FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards.