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



# **FEMA**

## **Daily Operations Briefing**

**Monday, September 11, 2017**

**8:30 a.m. EDT**

# Significant Activity – Sep 9-11



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**Significant Events:** Response to Harvey; Response/ Preparations for Tropical Cyclone Irma

## **Tropical Activity:**

- Atlantic – Tropical Cyclone Irma; Tropical Cyclone Jose; Disturbance 1 – Low (30%)
- Eastern Pacific – Disturbance 1 – Low (30%); Disturbance 2 – High (70%); Disturbance 3 – Medium (60%)
- Central Pacific – No tropical cyclones expected next 5 days
- Western Pacific – No systems threatening U.S. territories

## **Significant Weather:**

- Severe thunderstorms – FL (Tropical Cyclone Irma)
- Flash flooding possible – FL, GA, and SC (Tropical Cyclone Irma)
- Red Flag Warnings – MT
- Elevated fire weather – MT
- Space weather:
  - Past 24 hours: Strong; solar radiation storms S3 level; radio blackouts reaching R3 level occurred
  - Next 24 hours: Strong; solar radiation storms S3 level; radio blackouts reaching R2 level expected

**Earthquake Activity:** No significant activity

## **Declaration Activity:**

- Amendment No. 1 to FEMA-3387 – EM for Georgia
- FMAGs approved – Moose Peak Fire, MT, Highway 200 Complex Fire, MT
- Major Disaster Declaration approvals – Florida & Puerto Rico
- Major Disaster Declaration request – Alabama

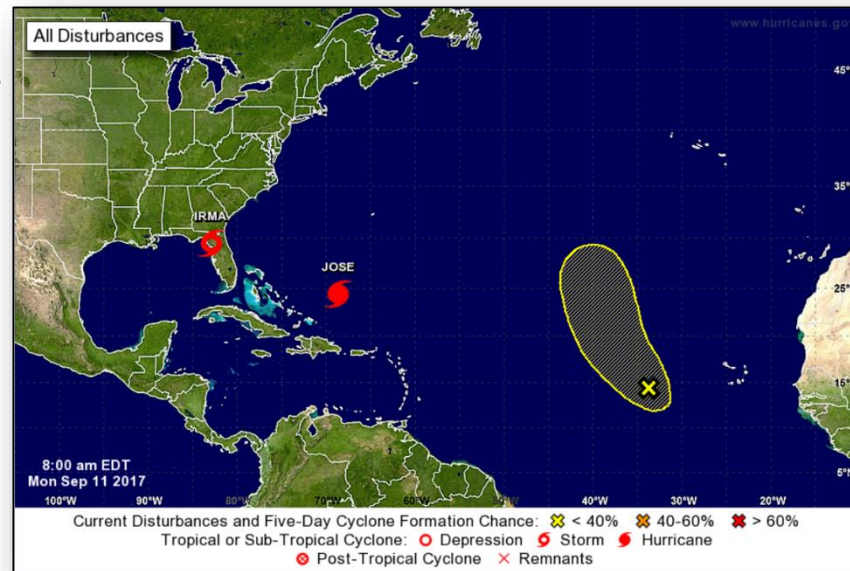
# Tropical Outlook – Atlantic



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## **Disturbance 1** (as of 8:00 a.m. EDT)

- Located a few hundred miles WSW of the Cabo Verde Islands
- Moving WNW over eastern Atlantic Ocean
- Formation chance through 48 hours: Low (30%)
- Formation chance through 5 days: Low (30%)



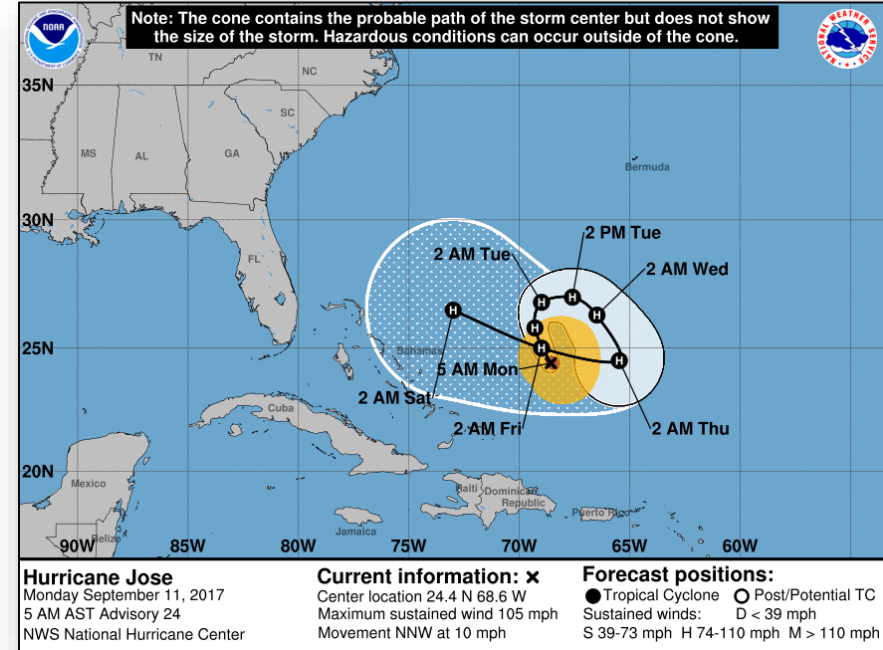
# Tropical Cyclone Jose



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**Tropical Cyclone JOSE (CAT 2 Hurricane)** (Advisory #24 as of 5:00 a.m. EDT)

- Located 255 miles NE of Grand Turk Island
- Moving NNW at 10 mph
- Maximum sustained winds 105 mph
- Expected to weakening during the next 48 hours
- Hurricane force winds extend 25 miles; tropical storm force winds extend 150 miles
- No coastal watches and warnings in effect



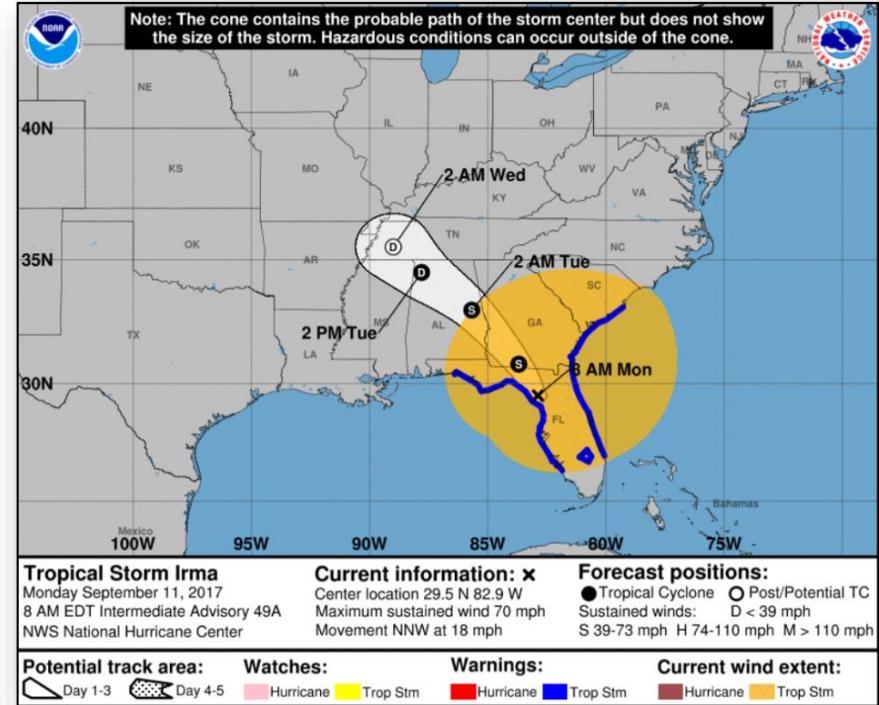
# Tropical Cyclone Irma



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## **Tropical Cyclone IRMA** (Advisory #49A as of 8:00 a.m. EDT)

- Irma is now a Tropical Storm
- Located 30 miles NNE of Cedar Key, FL
- Moving NNW at 18 mph
- Maximum sustained winds 70 mph
- A NNW motion is expected to continue through Tuesday
- Irma is expected to weaken to a tropical depression by Tuesday afternoon
- Tropical storm force winds extend 415 miles
- Tropical Storm, and Storm Surge Watches and Warnings in effect





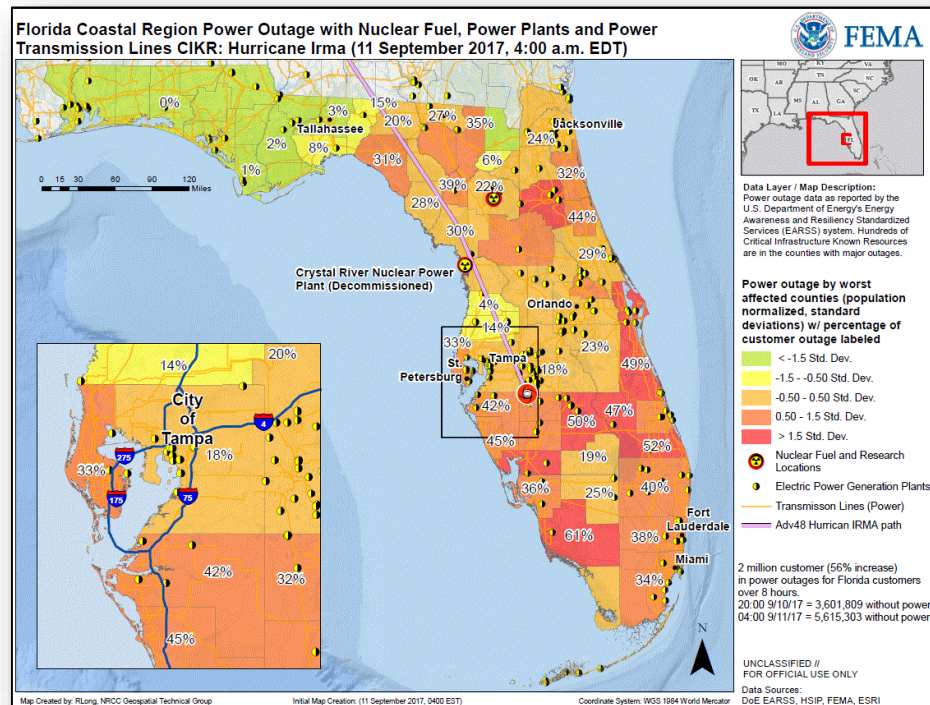
# Tropical Cyclone Irma Response/Preparations



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## FEMA HQ

- NRCC: Level I (24/7) with all ESFs and LNOs; NWC: Steady State
- National IMATs: East 1 deployed to GA EOC; East 2 deployed to FL EOC
- Region X IMAT: deployed to PR
- **Region III Collateral IMAT deployed to AL EOC**
- FEMA Corps: Teams deployed to PR (1) and Atlanta, GA (1)
- National Tribal Affairs Advisor deployed to Region IV RRCC
- ISB at Randolph AFB, TX to support air operations; resources staged in GA, FL, PR, and USVI
- US&R:
  - **1,299 people supporting operations in PR, USVI, and FL**
  - **Three teams deployed to PR; 12 in FL & GA**
- MERS/MCOVs: Deployed to support response and recovery operations in FL, GA, LA, NC, SC, and TX



5.34 million customers without power (53% of the state)

# Tropical Cyclone Irma Region II



## **FEMA Region II**

- RRCC: Level I (day shift); Level II (night shift) with select ESFs
- IMATs deployed to St. Croix, VI, St Thomas VI, and San Juan, PR

## **USVI & Puerto Rico**

- USVI & PR EOCs at Full Activation; [FEMA-4336-DR-PR](#) approved September 10, 2017
- Fatalities: 4 in USVI, 3 in PR; injuries unknown
- Shelters: [USVI - 6 open with 376 occupants](#); [PR - 6 open with 154 occupants](#)
- Transportation:
  - Airports: St. Thomas: closed to commercial traffic; open for military/emergency operations only; San Juan Airport: open
  - Roads: PR – some interstates open w/restrictions; damage assessments ongoing
- Power as of 6:00 a.m. EDT:
  - [PR: 431k \(-130k\) customers without power \(pop. 3.4M\)](#)
  - [USVI: St. John \(pop. 4k\) and St. Thomas \(pop. 51k\) are 100% without power; St. Croix is 75% restored](#)
- Water: 341k (+120k) without potable water in USVI (281k due to power failure); 154k people in PR in need of drinking water; drinking water stations are being set up throughout island
- Hospitals: PR: All hospitals are operational; [6 \(-19\)](#) hospitals working on generator power; USVI: 1 hospital closed and evacuated in St. Thomas



# Tropical Cyclone Irma Region IV



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## **FEMA Region IV**

- RRCC: Level I (24/7); RWC: Steady State
- IMAT-1: deployed to FL; IMAT-2: deployed to SC
- LNOs deployed to FL, SC, GA, NC, AL and Seminole Tribe EOCs

### **Florida:** EOC at Full Activation

- Evacuations: mandatory for 30 counties; voluntary for 16 counties
- Shelters: 586 open with 192k occupants (ARC as of 8:00 a.m. EDT)
- Power: 5.7 million (53% of the total state customers without power) (DOE as of 3:45 a.m. EDT)
- Transportation:
  - Airports: Key West, Miami IAP & Orlando IAP (MCO); St. Petersburg/Clearwater IAP; Naples, Sarasota/Bradenton IAP closed
  - Rail: operations shut down for all FL commercial and passenger railroads as of Sep 9
  - Ports: all ports in FL closed except Egmont Key which is open with restrictions
- Hospitals: 46 (+11) closed; evacuated 204 healthcare facilities

**Seminole Tribe of Florida:** EOC at Full Activation; Shelters: 4 shelters open with 172 occupants

### **Georgia:** EOC at Full Activation

- Evacuations: mandatory for six counties east of I-95; 32 medical facilities (includes 13 hospitals) evacuated
- Shelters: 92 open with 7,095 occupants
- Power: 216k customers without power (DOE as of 8:00 a.m. EDT)

**South Carolina:** EOC at Full Activation; activated 900 Army National Guard personnel

- Evacuations: mandatory for Barrier Islands; 140 healthcare facilities in coastal counties are evacuating
- Shelters: 3 open with 245 occupants
- Power: 12.5k customers without power (DOE as of 8:00 a.m. EDT)

### **Alabama:** EOC at Full Activation;

- Shelters: 10 shelters open with 364 occupants

### **North Carolina:** EOC at Full Activation

- Shelters: 5 open with 33 occupants

### **Tennessee:** EOC at Monitoring

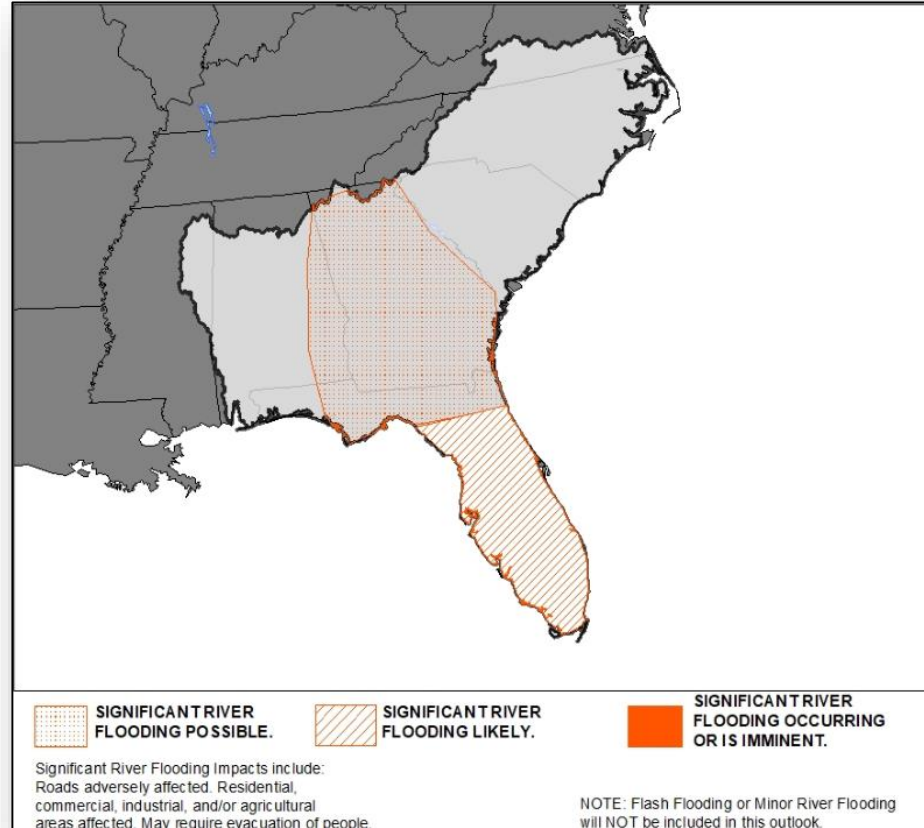
- Shelters: 5 open with 36 occupants

### **Kentucky:** EOC at Monitoring

# Southeast River Flood Outlook



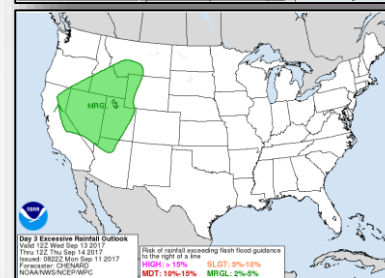
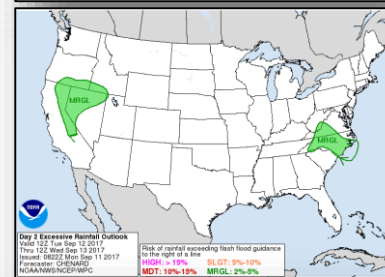
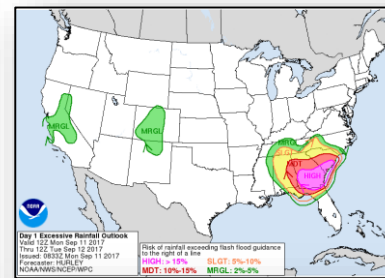
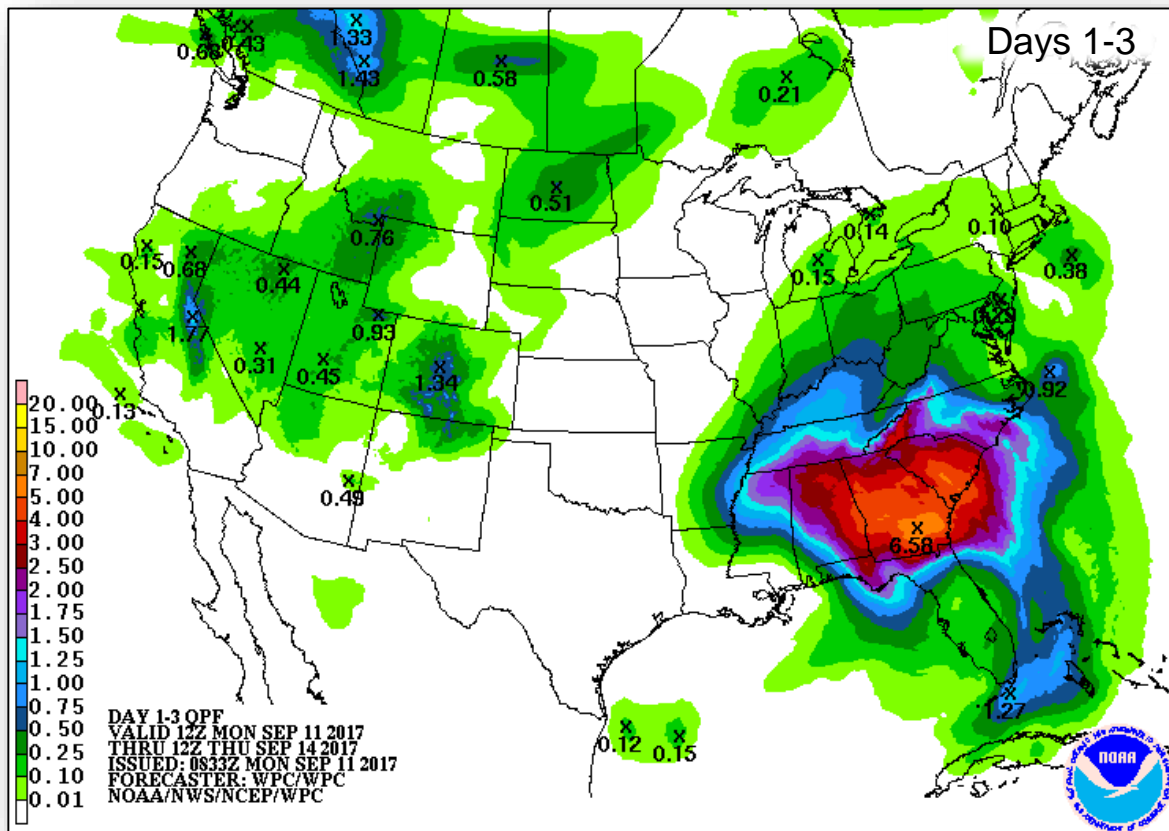
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# Precipitation Forecast



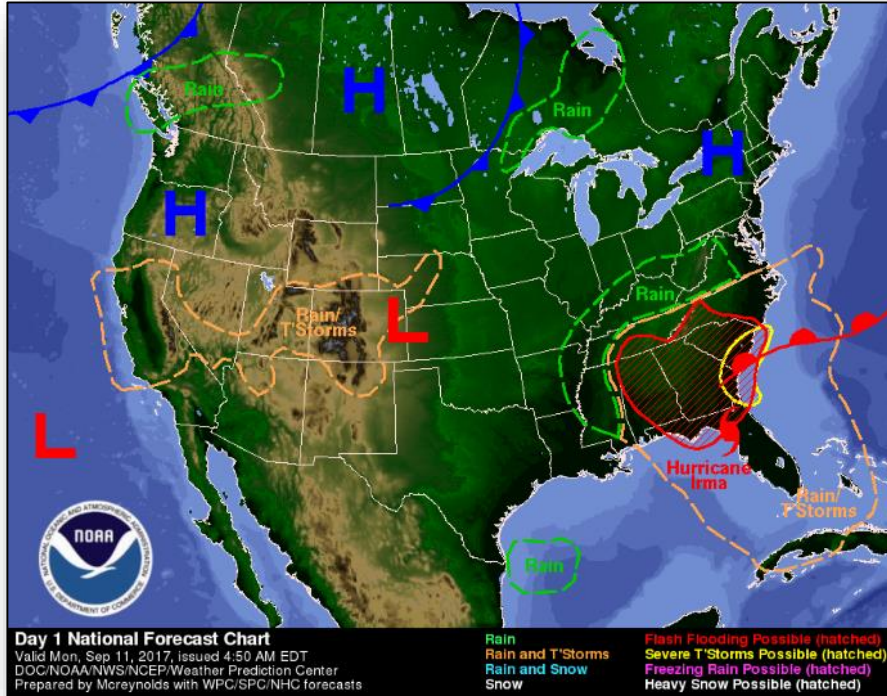
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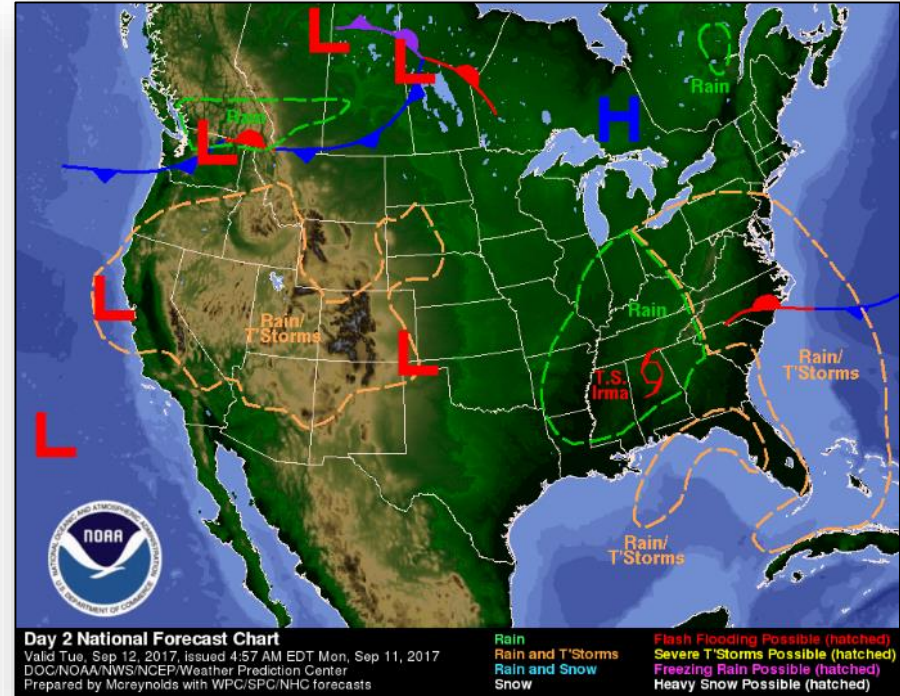
# National Weather Forecast



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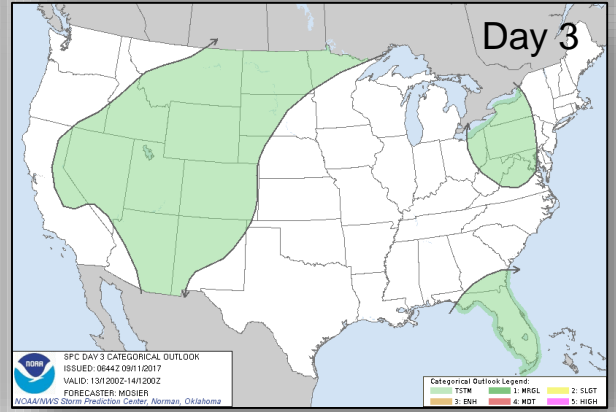
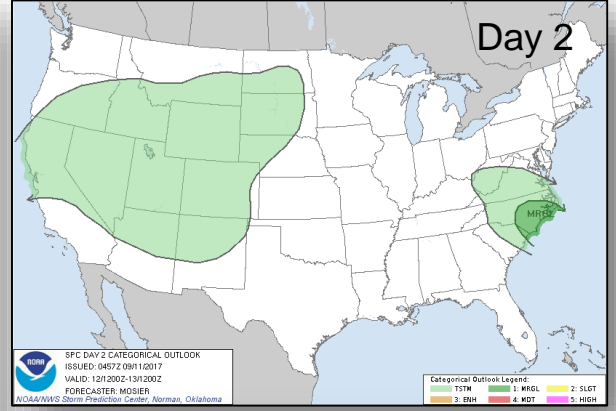
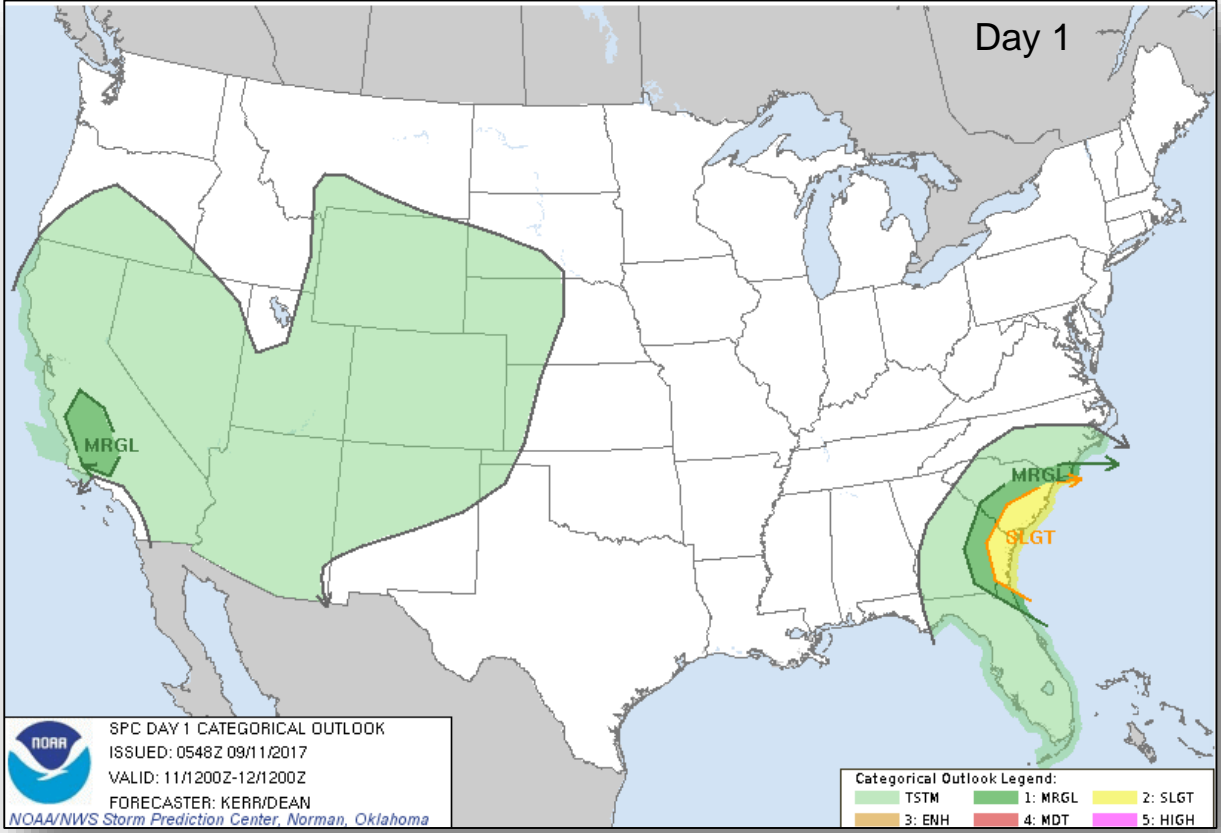
*Today*



*Tomorrow*



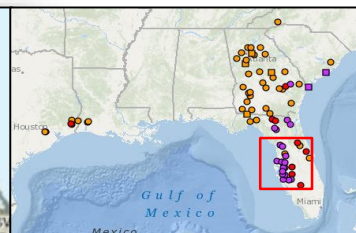
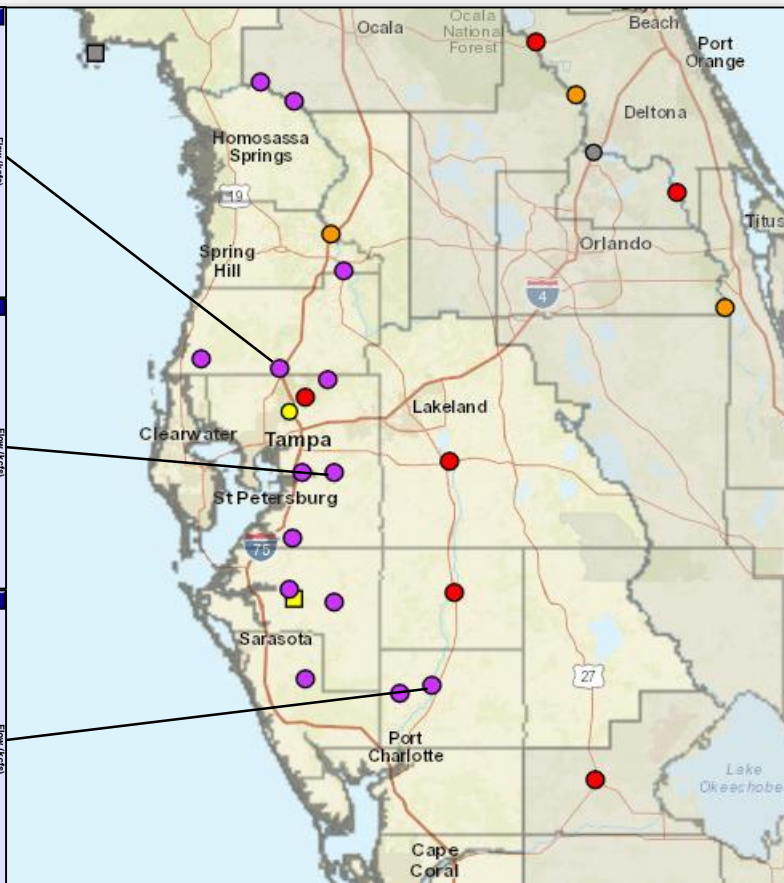
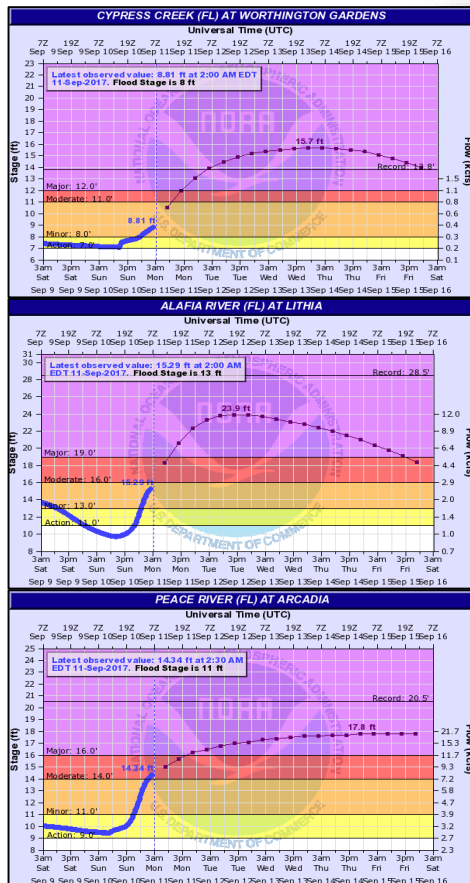
# Severe Weather Outlook – Days 1-3



# River Flooding Western Florida



FEMA



- 21 Gauges: Major Flooding
- 10 Gauges: Moderate Flooding
- 49 Gauges: Minor Flooding

## Riverine Flooding Southeast

### Cypress Creek:

- North of Tampa
- Peak Record Flooding: 15.7 ft
- Previous Record 13.4 ft

### Alafia River at Lithia:

- Tampa Suburb
- Peak Major Flooding 23.9 ft

### Peace River at Arcadia:

- North of Port Charlotte
- Reach Major Flood late Mon
- Peak estimated on Tues

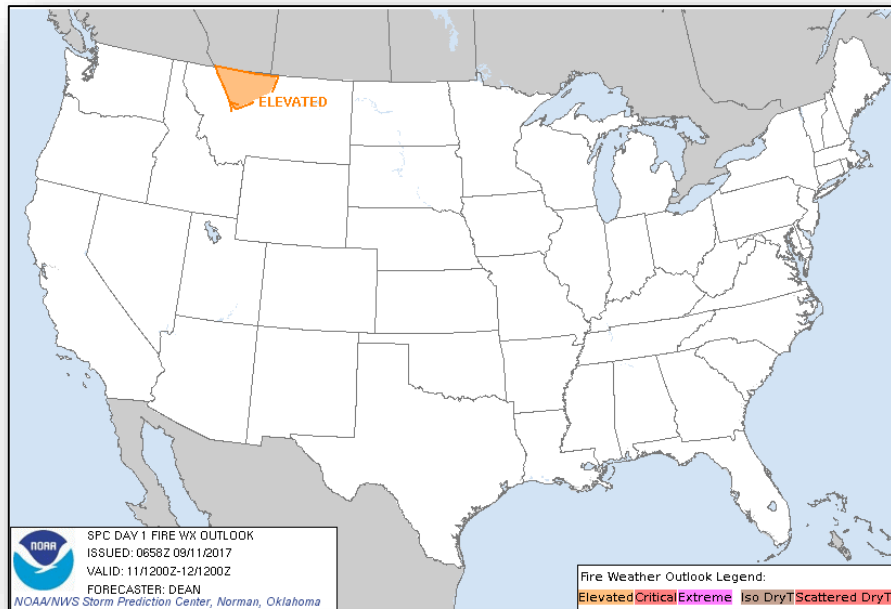
Major to Record river flooding expected to continue late into the week



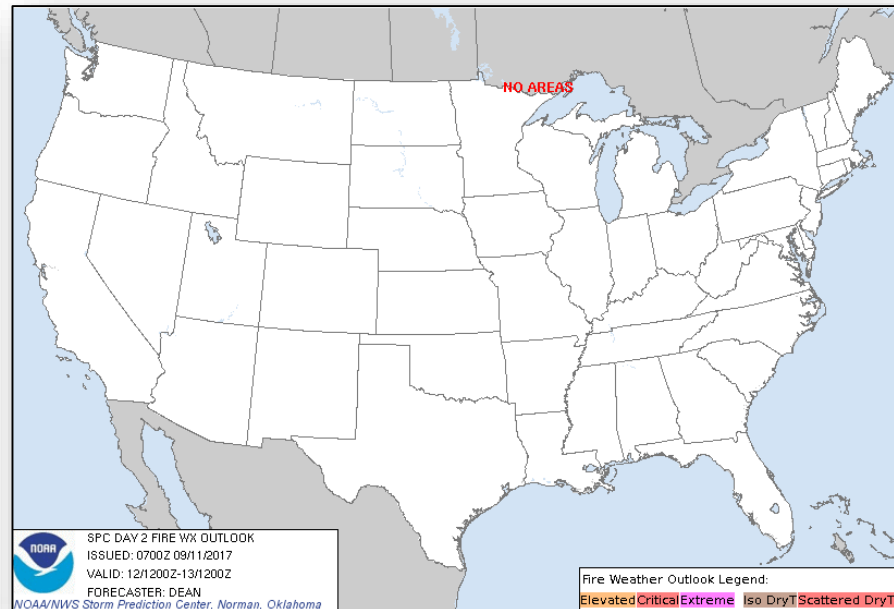
# Fire Weather Outlook



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**Today**

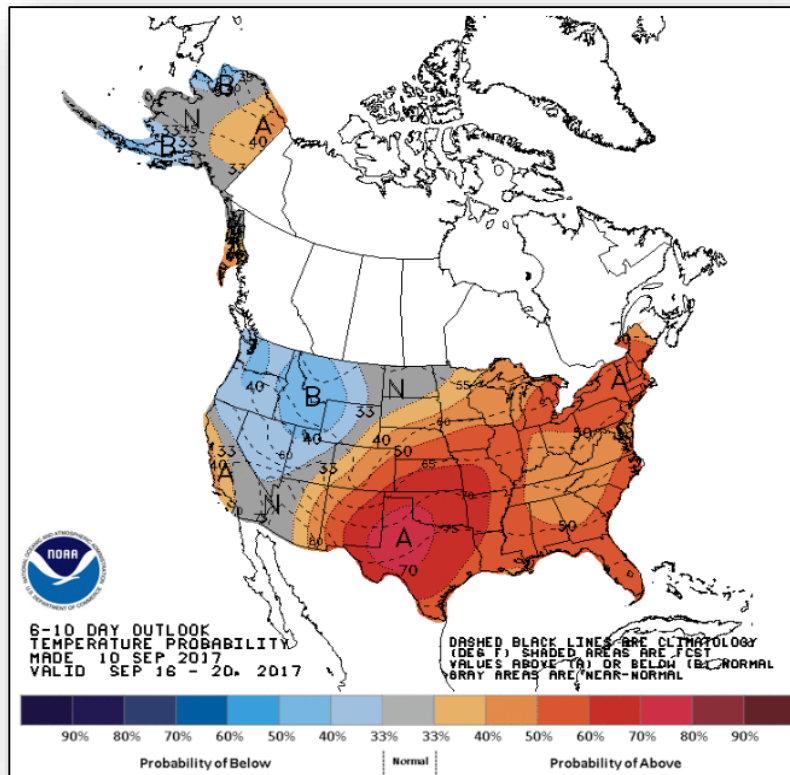


**Tomorrow**

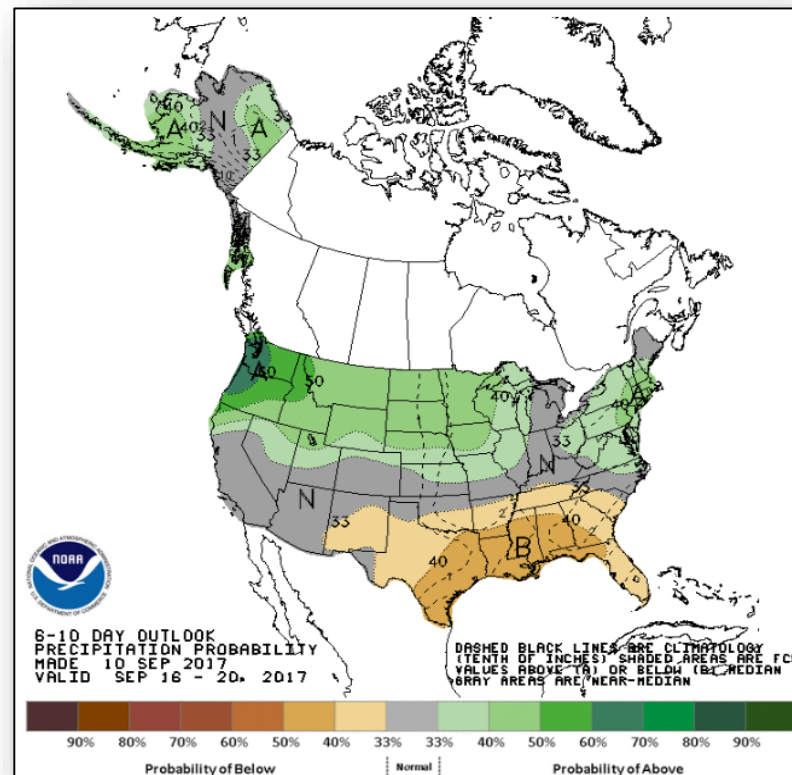
# 6-10 Day Outlooks



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**6-10 Day Temperature Probability**



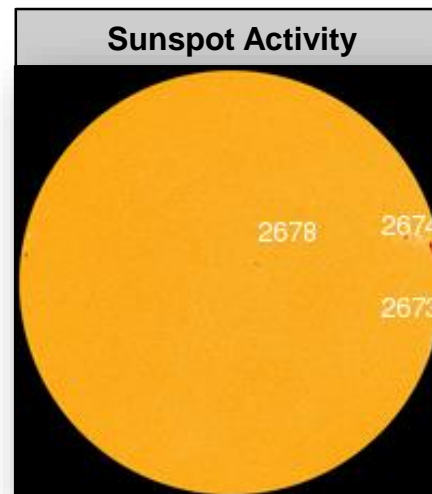
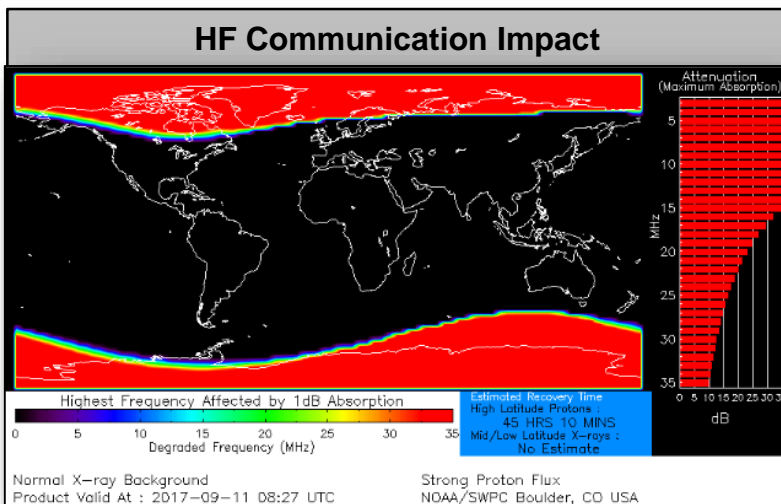
**6-10 Day Precipitation Probability**

# Space Weather



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	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	Strong	None	S3	R3
Next 24 Hours	Strong	None	S3	R2
For further information on NOAA Space Weather Scales refer to <a href="http://www.swpc.noaa.gov/noaa-scales-explanation">http://www.swpc.noaa.gov/noaa-scales-explanation</a>				



# FMAAGs Approved



Fire Name (County)	FMAAG # / Approved	Acres burned	Percent Contained	Evacuations (Residents)	Structures			Fatalities / Injuries
					Threatened	Damaged	Destroyed	
Hwy 200 Complex (Sanders)	5210-FM-MT Sept 10 ,2017	21,383	18%	Mandatory	925 homes	0	0	0 / 4
Moose Peak Fire (Sanders / Lincoln)	5211-FM-MT Sept 10 ,2017	7,549	0%	Mandatory	45 homes	0	0	0 / 0

## Current Situation: Highway 200 Complex Fire

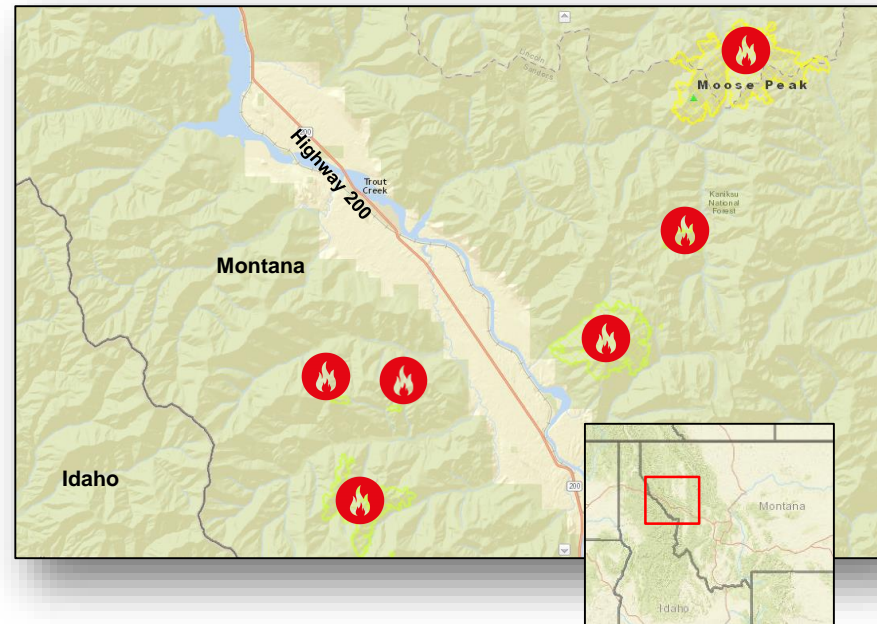
- Began August 30; burning in and around Plains, MT (pop 1,850)
- Threatens power and phone transmission lines
- Evacuations in effect for approximately 100 people

## Current Situation: Moose Peak Fire

- Began August 30; burning in and around Sanders & Lincoln counties, MT (pop. 135)
- Threatening Flathead Electric Transmission line, Frontier Telephone, three state Highway bridges on State Hwy 587
- Evacuations in effect for approximately 24 people

## Response

- FMAAGs approved on September 10
- FEMA Region VIII continue to monitor the situation



# Wildfire Summary



FEMA

Fire Name (County)	FMAG # (Approved Date)	Acres Burned	Percent Contained	Evacuations (Residents)	Structures			Fatalities / Injuries
					Threatened	Damaged	Destroyed	
California (1)								
Helena (Trinity)	5199-FM-CA Sept 1, 2017	20,552 (+97)	43% (+1)	Mandatory	5,250 (4,000 homes)	8 (4 homes)	133 (72 homes)	0 / 2
Oregon (2)								
Chetco Bar (Curry)	5198-FM-OR August 20, 2017	182,284	5%	Mandatory	12,286 (8,523 homes)	9 (1 home)	30 (6 homes)	0 / 4
Eagle Creek (Hood River)	5203-FM-OR Sept 3, 2017	33,382	7%	Mandatory	5,230 (5,230 homes)	0	4 (4 homes)	0 / 0
Washington (1)								
Jolly Mountain (Kittitas)	5200-FM-WA Sept 2, 2017	29,432 (+2,020)	15% (+5)	Mandatory	5,277 (4,204 homes)	0	0	0 / 7
Montana (3)								
Rice Ridge (Missoula & Powell)	5207-FM-MT Sept 9, 2017	132,732 (+7,440)	8%	Mandatory	1,719 (1,305 homes)	0	0	0 / 12
Alice Creek (Lewis & Clark)	5208-FM-MT Sept 9, 2017	27,231 (+3,103)	0%	Mandatory	90 (90 homes)	0	4	0 / 0
West Fork (Lincoln)	5209-FM-MT Sept 9, 2017	9,923	0%	Mandatory	709 (705 homes)	0	0	0 / 0

# Declarations Approved



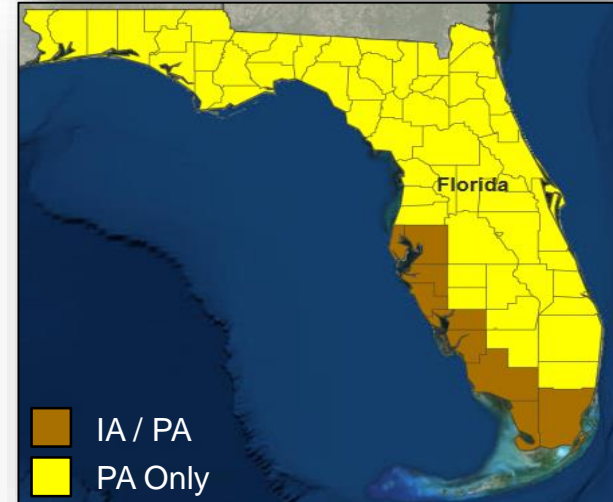
## **FEMA-4336-DR-PR**

- Expedited Major Disaster Declaration approved on September 10, 2017
- For Hurricane Irma beginning on September 5, 2017 and continuing
- Provides:
  - Individual Assistance for 2 municipalities
  - Public Assistance for 2 municipalities
  - Hazard Mitigation for all municipalities in the Commonwealth of Puerto Rico
- FCO is Alejandro DeLaCampa



## **FEMA-4337-DR-FL**

- Major Disaster Declaration approved on September 10, 2017
- As a result of Hurricane Irma beginning September 4, 2017 and continuing
- Provides:
  - Individual Assistance and Public Assistance for 9 counties
  - Public Assistance for 58 counties
  - Hazard Mitigation for all counties and tribes statewide
- FCO is Justo Hernandez



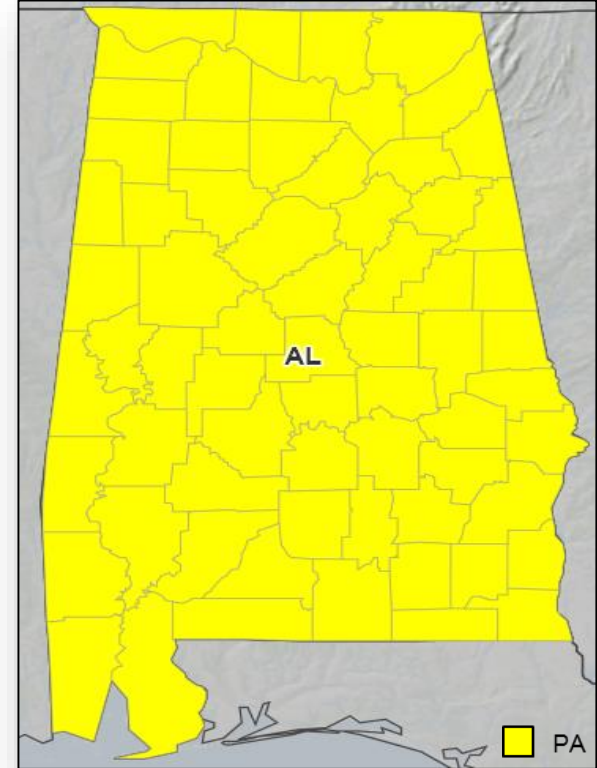


# Declaration Request



## **Alabama**

- Governor requested an Emergency Disaster Declaration on September 10, 2017
- As a result of Hurricane Irma beginning on September 8, 2017 and continuing
- Requesting Public Assistance for all 67 counties and the Poarch Creek Tribe



# Disaster Requests & Declarations



FEMA

Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
9	IA	PA	HM	Requested	2	0
NY – DR (Expedited) Flooding	X	X	X	July 6, 2017		
ID – DR Flooding		X	X	July 20, 2017		
ND – DR Drought	X	X	X	August 7, 2017		
WI – DR Severe Storms, Straight-line Winds, Flooding, Landslides, Mudslides		X	X	August 23, 2017		
ND – DR Severe Storm		X	X	August 24, 2017		
KS – DR Severe Storms, Straight-line Winds, and Flooding		X	X	August 31, 2017		
IL – DR Severe Storms and Flooding	X		X	August 31, 2017		
NY – DR Severe Storms, Tornadoes, and Flooding	X		X	August 31, 2017		
PR – DR (Expedited) Hurricane Irma	X	X	X	September 7, 2017	Declared September 10, 2017	
FL – DR Hurricane Irma	X	X	X	September 10, 2017	Declared September 10, 2017	
AL – EM Hurricane Irma		X		September 10, 2017		

# Disaster Amendments



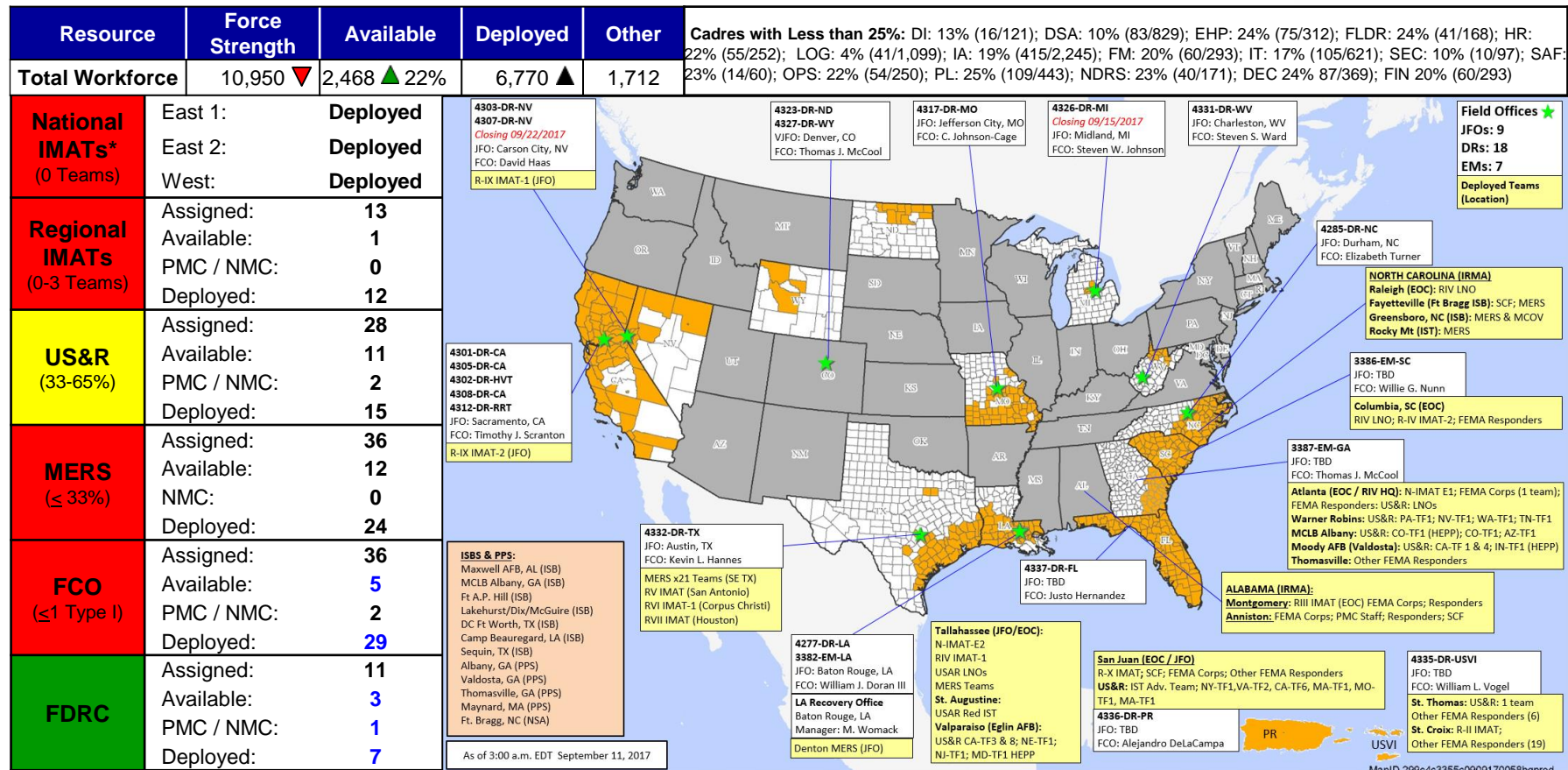
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Amendment	Effective Date	Action
Amendment No. 1 to FEMA-3387-EM-GA	September 10, 2017	Adds 63 counties for debris removal and emergency protective measures (Categories A and B), including direct federal assistance, under the Public Assistance program.

# Readiness – Deployable Teams and Assets



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\*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



FEMA

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 IV	Level III Level I / Level II Level I	Day shift Day shift / Night shift 24/7	Tropical Cyclone Irma Tropical Cyclone Irma Tropical Cyclone Irma

**Back-up Region: V & I**



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