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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

Sunday, June 2, 2019

8:30 a.m. EDT

# Significant Activity – June 1-2



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## **Significant Events:**

- Flooding & Tornadoes – Central U.S.
- National Level Exercise 2019 – Shaken Fury

## **Tropical Activity:**

- Atlantic: Disturbance 1: Medium (60%)
- Eastern Pacific: No significant activity affecting U.S. interests
- Central Pacific: No significant activity affecting U.S. interests
- Western Pacific: No significant activity affecting U.S. interests

## **Significant Weather:**

- Strong to severe thunderstorms possible – Central/Southern High Plains into the Midwest and across portions of the Northeast and Mid-Atlantic
- Heavy rain and flash flooding possible – Central/Southern High Plains

## **Declaration Activity:**

- Major Disaster Declaration approved - Oklahoma

# Flooding & Tornadoes – Central U.S.



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## Current Situation:

Severe thunderstorms are possible across portions of the central and southern High Plains into OK and across portions of the Northeast and Mid-Atlantic regions today and tonight. Major flood stages will continue in MO, OK, and AR for weeks. The Mississippi River is now at its second highest level on record at St. Louis, MO (pop. 318k) and is expected to continue to rise.

## Lifeline Impacts:

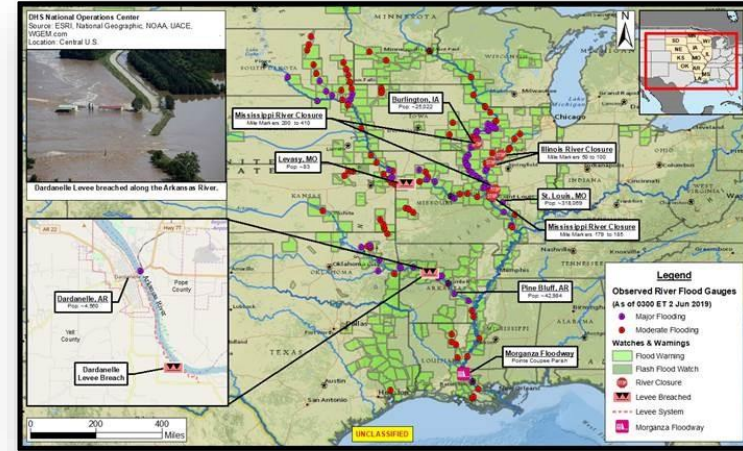
### Safety and Security

Levee breaches reported in IA, MO, and AR:

- IA: The HESCO flood barriers in downtown Burlington (pop. 25k) failed Saturday afternoon, flooding the area and impacting approximately 20 businesses, the post office, and a sanitary lift station
- MO: A breached levee flooded part of the city of Levasy (pop. 83), prompting evacuations and high water rescues
- AR: A levee breach in Dardanelle was mitigated with a temporary levee, giving residents of about 800 homes time to prepare to evacuate; flooding has already closed roads and surrounded about 25 people in a rural community a few miles south of Dardanelle
- LA: USACE delayed the opening of a bay at the Morganza Control Structure to June 6, and plans to open additional bays by June 9
- IL: Several levees are forecast to overtop in Scott and Greene counties, impact limited to primarily agricultural areas

## Food, Water & Sheltering:

- 27 (+3) shelters open with 417 (-9) occupants (*ARC Shelter report June 2*)
  - OK: 7 / 118 (-7); KS: 1 / 12; MO: 6 / 63 (-8)
  - OH: 4 (-1) / 100 (-11); AR: 9 (+4) / 124 (+14)
- Evacuations:
  - AR: [Mandatory for portions of Jefferson County along the Arkansas River near Pine Bluff due to record flooding](#); voluntary remain in effect for 11 counties
  - IL: Voluntary for portions of the City of Columbia (Monroe County)
  - MO: Mandatory for West Quincy (industrial area) due to levee breach; [mandatory for the city of Levasy](#)
  - KS: Independence (pop 9,483) and Coffeyville (pop 10,295) due to Verdigris River flooding; Reno County may evacuate approx. 200 people due to water and sewage issues cause by flooding
  - OK: Voluntary remain in effect for 11 counties; mandatory for 1 community (Webber Falls; pop. 600)



# Flooding & Tornadoes – Central U.S.



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## Lifeline Impacts (Continued):

### Health & Medical

- OH: 1 fatality and 7 injuries
- OK: 6 fatalities and numerous injuries
- KS: 2 fatalities; 44 injuries
- MO: 10 fatalities; 20 injuries
- AR: Yell County Local Health Units have closed as a precautionary action and Franklin County Local Health Units are operating at limited capacity

### Transportation

- Roads: Numerous roads remain closed; alternate routes available
- Waterways:
  - USCG closed portions of the Mississippi and Illinois Rivers due to high-water levels; [expanded waterway closures for portions of the Upper Mississippi River in IL June 1](#)
  - Commercial navigation remains shut down along the Arkansas River
- Rail:
  - Amtrak between Kansas City, KS to St. Louis & St. Louis and Fort Worth suspended
  - Union Pacific between Chicago and San Antonio via Little Rock and Dallas suspended
  - Track damage north of West Quincy, MO due to levee breach; impacts to BNSF (agricultural cargo), alternate tracks in other areas available

### Hazardous Materials

- OK: 65 wastewater plants are having ongoing issues, most of which are bypasses; 4 communities have wastewater plants shut down

## Response:

### State/Local

- Full Activation: KS and AR EOCs
- Partial Activation: OK, OH, IL, and MO EOCs
- Monitoring: LA EOC
- IL, IA, MO, KS, OK, and AR National Guard activated

### FEMA Regions

- FEMA Region V
  - RWC: Steady State, monitoring 24/7
  - IMAT: Fully Mission Capable, prepared to respond
- FEMA Region VI
  - RWC: Steady State, monitoring 24/7
  - RRCC: Level III, with select ESFs (day shift only)
  - IMAT-1: Deployed to AR EOC
  - IMAT-2: Deployed to OK EOC
  - 1 LNO deployed to OK EOC; 2 LNOs deployed to AR EOC
- FEMA Region VII
  - RWC: Enhanced Watch (day shift only)
  - IMAT: Deployed (supporting EM-3412-KS)
  - LNO deployed to KS EOC

### FEMA Headquarters

- NWC: Steady State, monitoring 24/7

# Flood Timing – Central U.S.



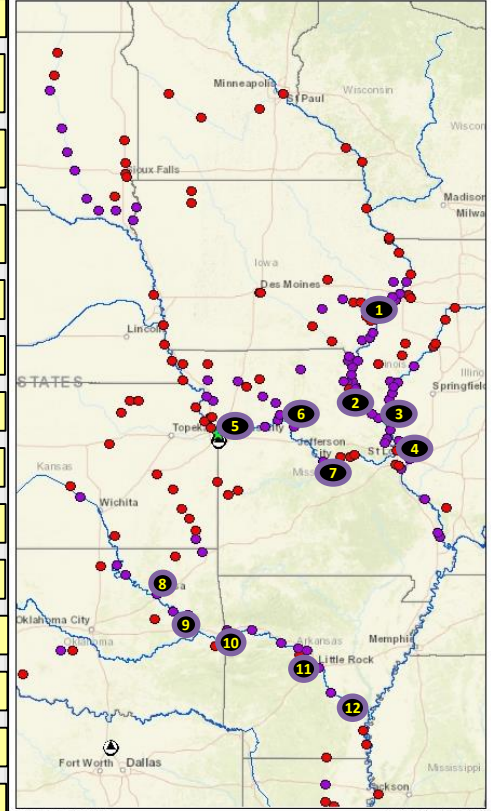
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Numerous factors (rain, drought, snowmelt) may affect river flood stages. Major flood **Note:** stage does not mean major flooding is occurring, this is river levels and not local flooding

- 1 Mississippi River @ Davenport, IA – Crests Jun 1; remains in Major stage for week+ ➔
- 2 Mississippi River @ Clarksville lock, MO – Crests near record (37.2') Jun 1; then recedes to Moderate Jun 11 ⬇️
- 3 Mississippi River @ Grafton, IL – Crests Jun 5; remains in Major stage for week+; Convergence of Illinois and Mississippi River ➔
- 4 Mississippi River @ St Louis, IL – Crests Jun 5; remains in Major stage for week+ Convergence of Missouri, Meramec, and Mississippi Rivers ➔
- 5 Missouri River @ Sibley, MO – Crests Jun 2 then steadily recedes to Minor Jun 6 ⬇️
- 6 Missouri River @ Glasgow, MO – Crests Jun 2 recedes to Moderate Jun 6 ⬇️
- 7 Missouri River @ Jefferson City, MO – Crests Jun 2 recedes to Minor Jun 9 ⬇️
- 8 Arkansas River @ Tulsa, OK – Crested recedes to Mod late next week ⬇️
- 9 Arkansas River @ Muskogee, OK – Crested, remains in Major week+ ➔
- 10 Arkansas River @ Fort Smith, AR – Slight Rise; record flood stage for week+ ➔
- 11 Arkansas River @ Little Rock, AR – Crests Jun 7; remains in Major for week+ ➔
- 12 Arkansas River @ Pendleton, AR – Will reach record flood Jun 6 (agricultural) ➔
- 13 Mississippi River @ Vicksburg, MS – Crests Jun 10 ➔
- 14 Mississippi River @ Morganza Spillway, LA – Crests Jun 9 ➔

## Significant River Flood Outlook:

Lower Mississippi Valley River Region



**Legend**

**River Gauge Forecast**  
**May 29 - 31, 2019**

- Major Flooding
- Moderate Flooding
- ★ JFO
- ★ Louisiana Recovery Office (LRO)
- ⓘ Regional Office
- Mississippi River System

0 100 200 300 Miles

**Data Layer / Map Description:**  
 Lower Mississippi Valley Potential Flood Area  
 Data Sources: FEMA, ESRI, NWS, NOAA, ESRI, US Census

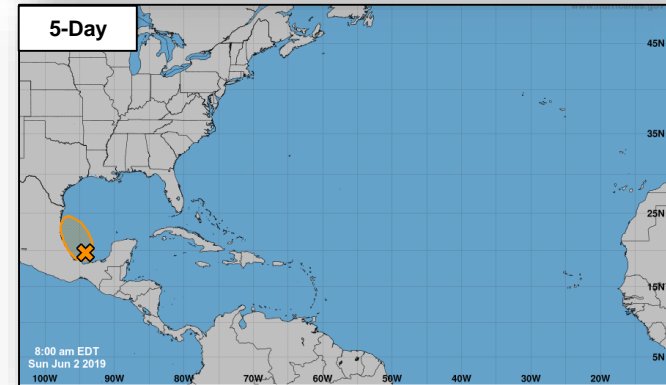
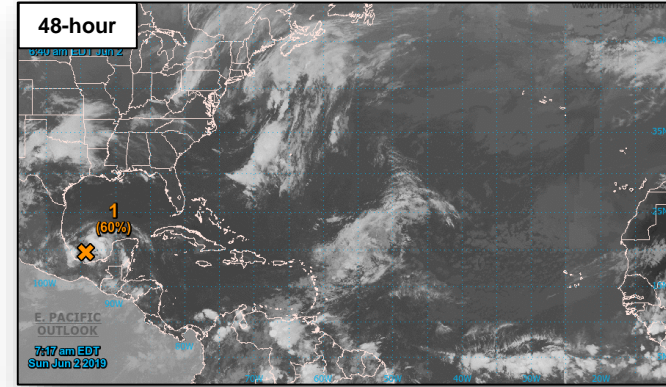
# Tropical Outlook – Eastern Pacific



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

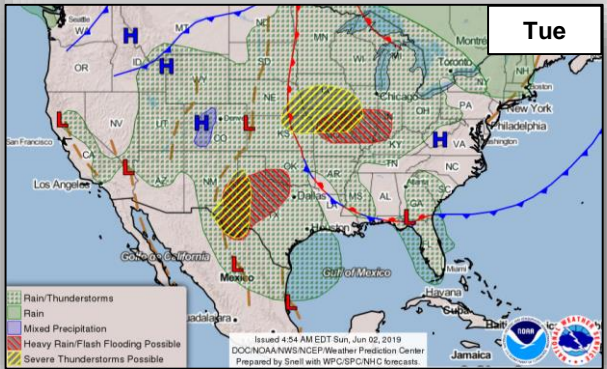
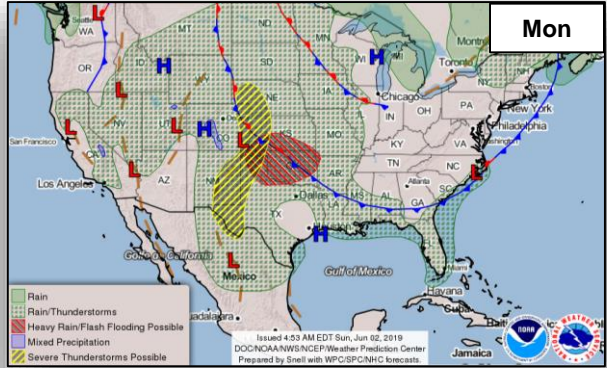
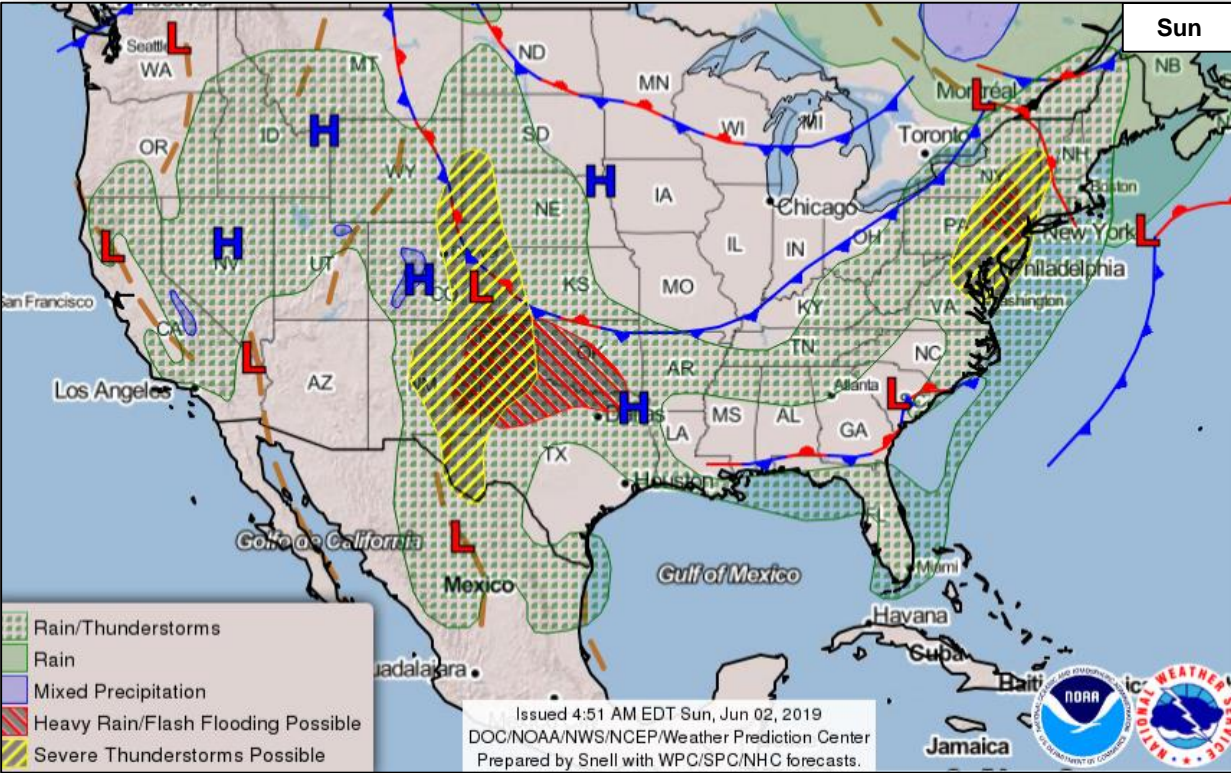
- Located over the southern Bay of Campeche
- Expected to move WNW toward the coast of Mexico
- Formation chance through 48 hours: Medium (60%)
- Formation chance through 5 days: Medium (60%)



# National Weather Forecast



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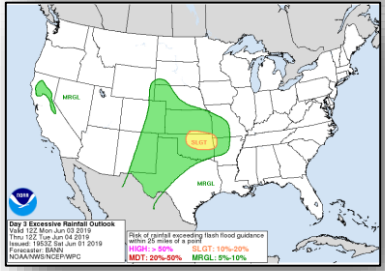
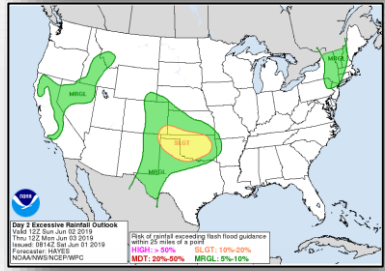
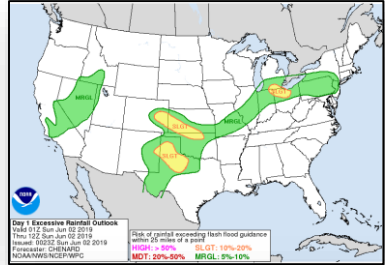
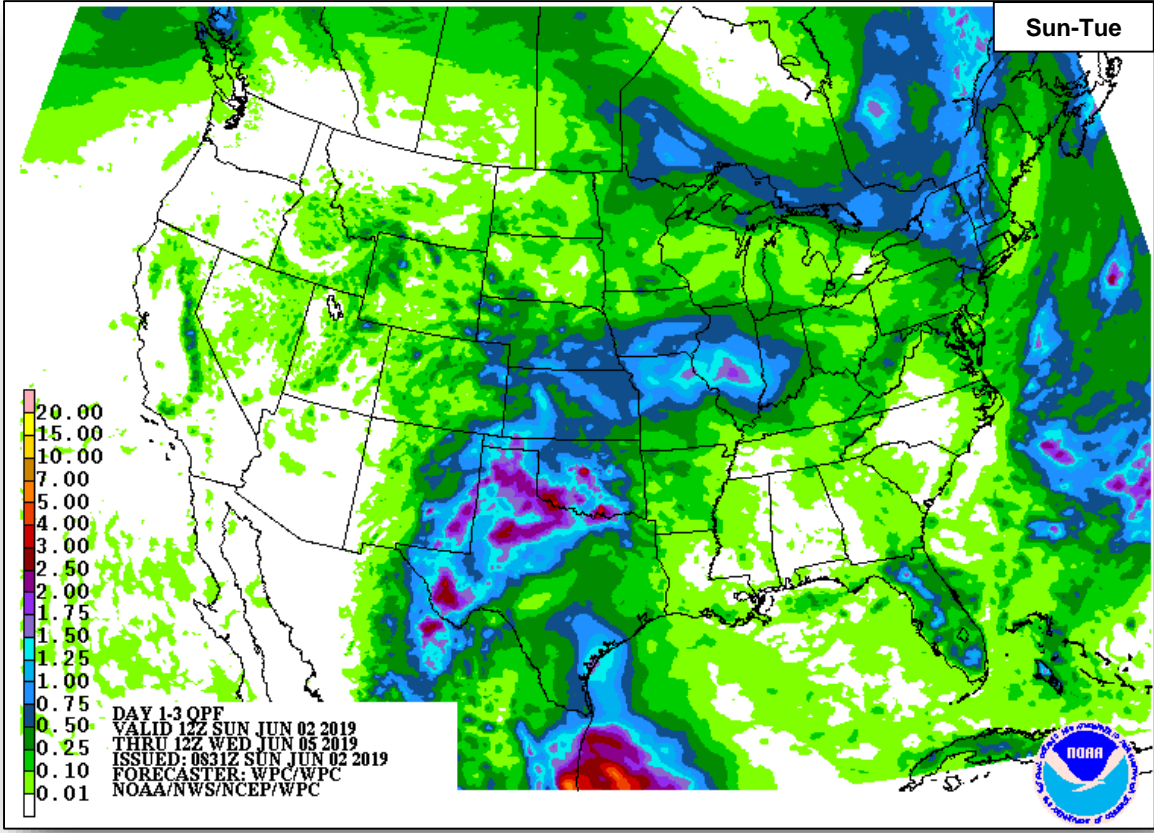




# Precipitation Forecast



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Sun

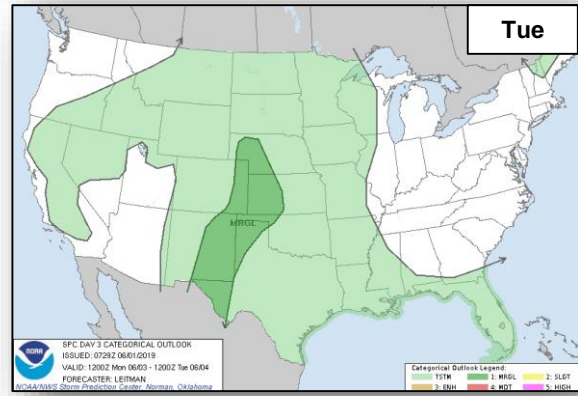
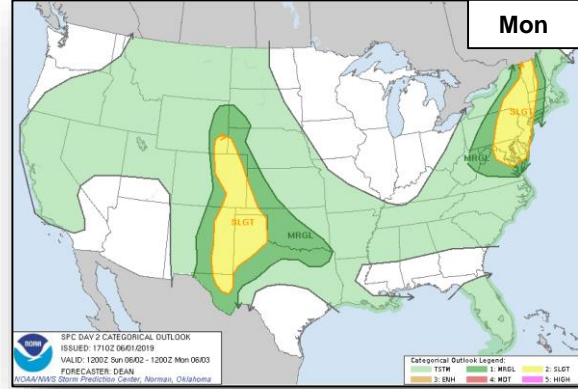
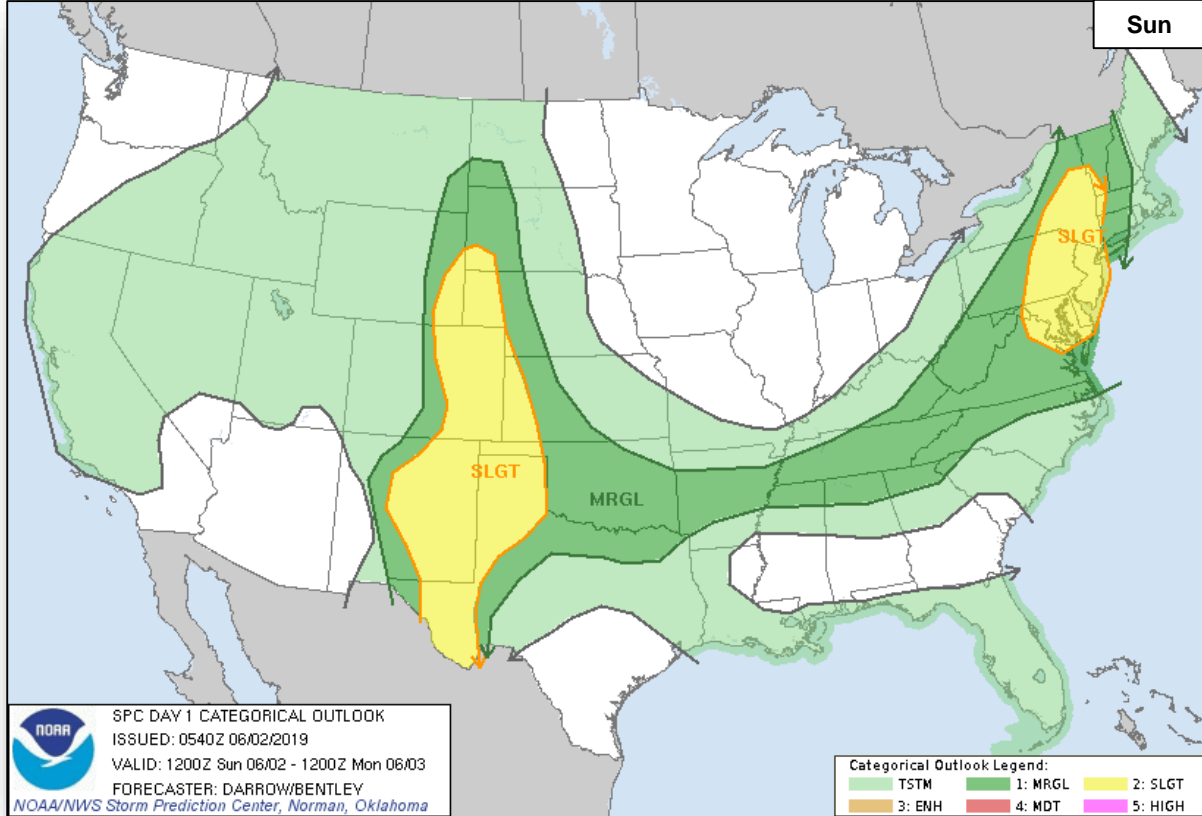
Mon

Tue

# Severe Weather Outlook



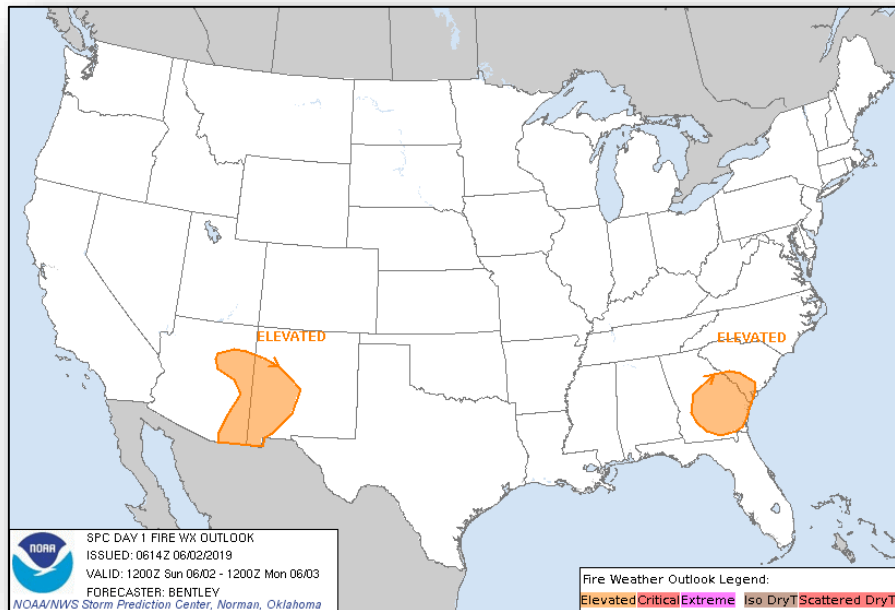
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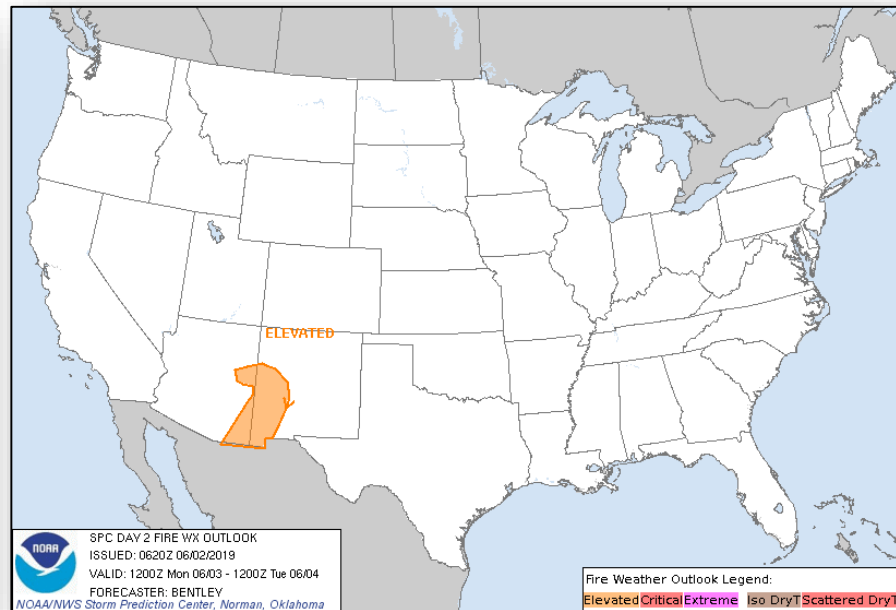
# Fire Weather Outlook



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**Sunday**

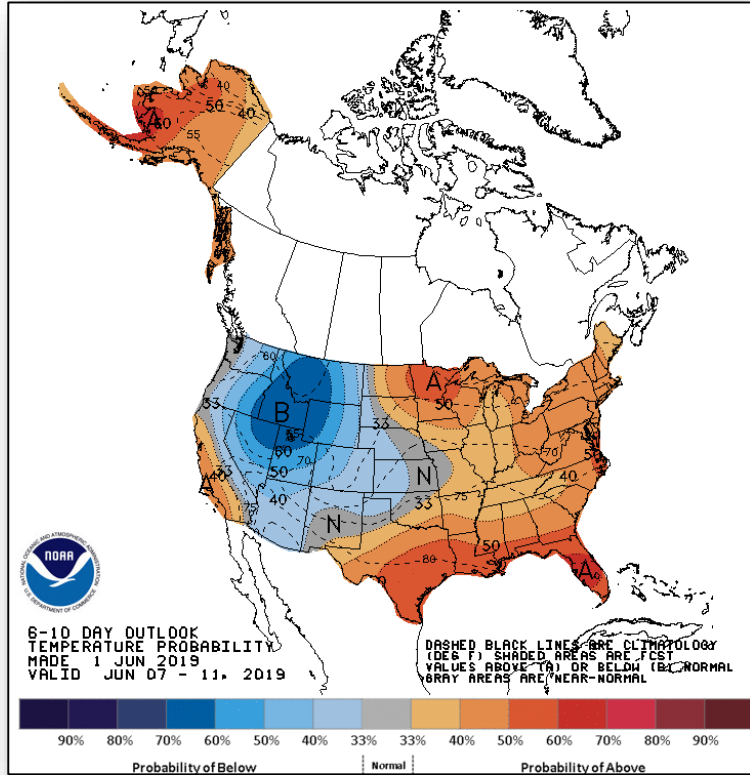


**Monday**

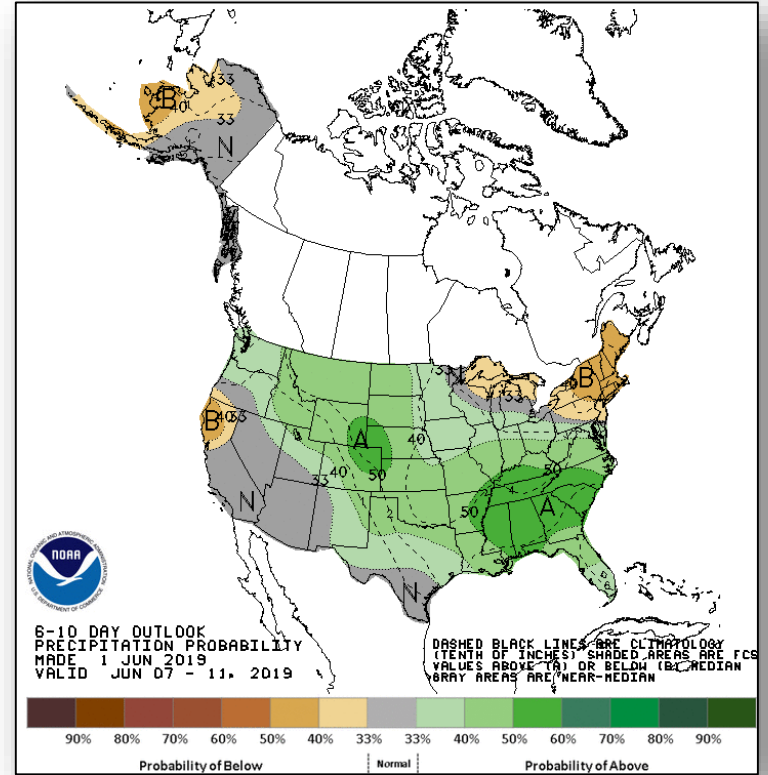
# Long Range Outlooks – June 7– 11



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**6 - 10 Day Temperature Probability**



**6 - 10 Day Precipitation Probability**

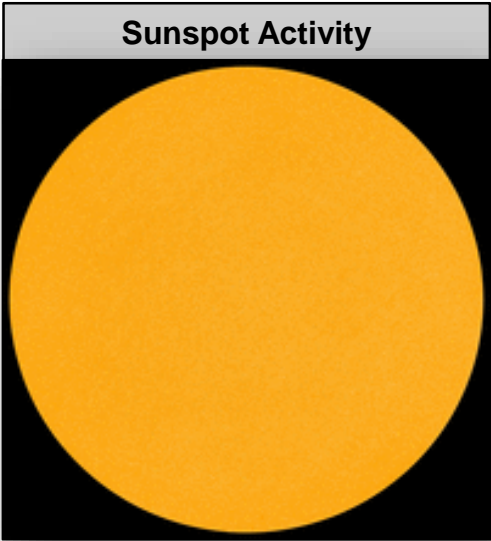
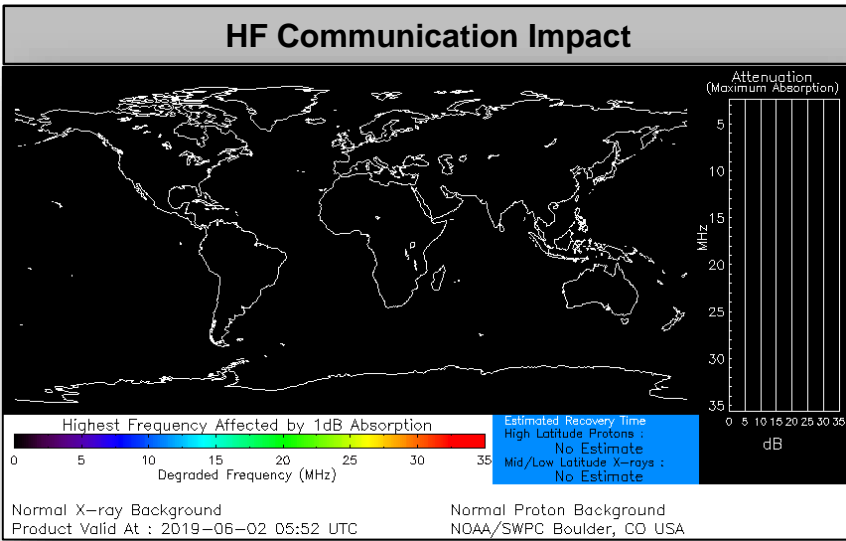
# Space Weather



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	Space Weather Activity	Geomagnetic Storms	Solar Radiation	Radio Blackouts
Past 24 Hours	None	None	None	None
Next 24 Hours	None	None	None	None

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



# Joint Preliminary Damage Assessments



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Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
V	OH	Severe weather May 27-28, 2019	IA	10	0	6/4 –TBD
			PA	0	0	N/A
VI	OK	Severe weather April 29, 2019	IA	0	0	N/A
			PA	25	9	5/16 – TBD
	AR	Severe storms and flooding May 21, 2019	IA	6	0	6/2 –TBD
			PA	0	0	N/A

# Declaration Approved



## **FEMA-4438-DR-OK**

- The President approved a Major Disaster Declaration June 1, 2019
- For severe storms, straight-line winds, tornadoes, and flooding beginning May 7, 2019, and continuing
- Provides:
  - Individual Assistance and Public Assistance for three counties
  - Public Assistance only for seven counties
  - Hazard Mitigation statewide
- FCO is Gerard M. Stolar



- IA & PA
- PA

# Disaster Requests & Declarations



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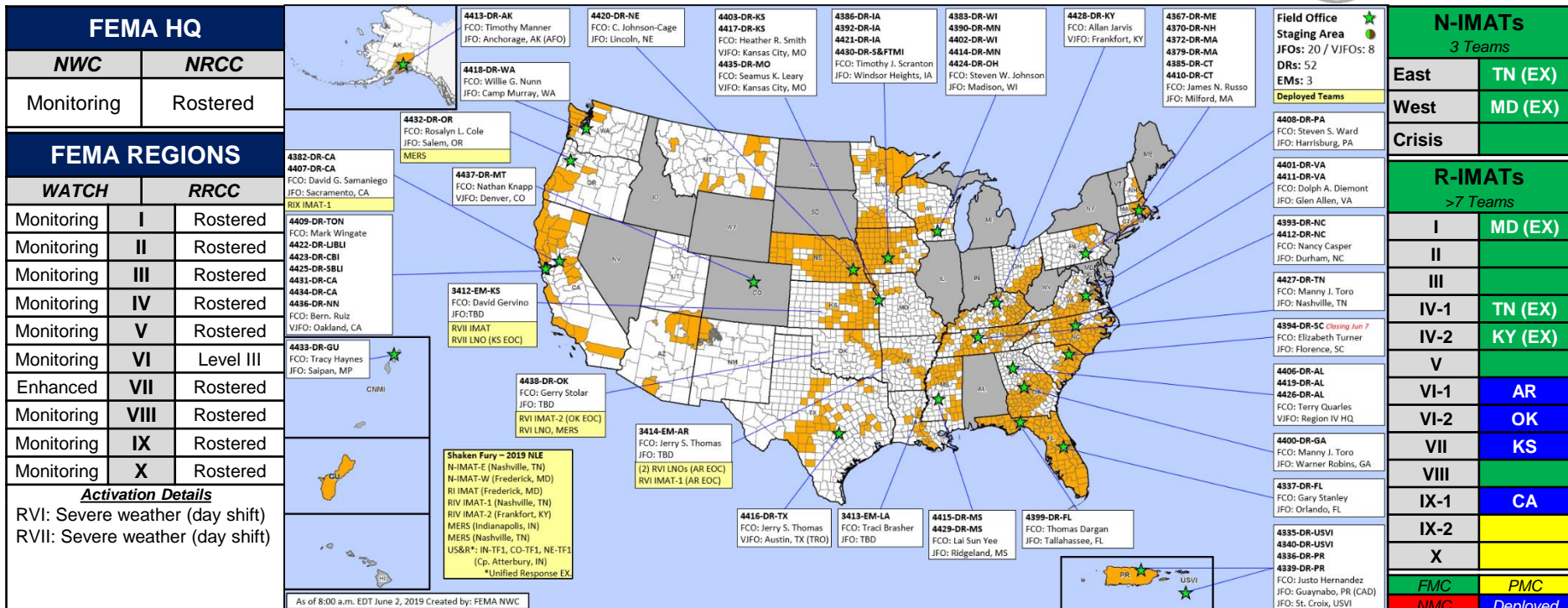
Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
<b>6</b>	<b>IA</b>	<b>PA</b>	<b>HM</b>	<b>Date Requested</b>	<b>1</b>	<b>0</b>
LA – DR Severe Storms and Tornadoes	X	X	X	May 21, 2019		
SD – DR Severe Winter Storm, Snowstorms, and Flooding	X	X	X	May 21, 2019		
ID – DR Severe Storms, Flooding, Landslides, and Mudslides		X	X	May 22, 2019		
ND – DR Flooding		X	X	May 24, 2019		
MN – DR Severe Winter Storm, Straight-line Winds, and Flooding		X	X	May 28, 2019		
VT – DR Severe Storm and Flooding		X	X	May 29, 2019		
OK – DR Severe Storms, Straight-line Winds, Tornadoes, and Flooding	X	X	X	May 31, 2019	June 1, 2019	



# FEMA Common Operating Picture



# FEMA



Team:	US&R	MERS	FCOs	FDRCs	IM
Status	(>66%)	(>66%)	(≤1Type 1)	(=2)	WORKFORCE
Assigned:	28	36	29	12	13,281 <span>MC</span>
Unavailable	3 (+2)	0	0	0	3,800 <span>▼</span>
Deployed:	0	0	25	10	5,705 <span>▼</span>
Available:	25 (-2)	36	4	2	3,776 / 28% <span>▲</span>

**IM CADRE AVAILABILITY SUMMARY**  
Cadres with 25% or Less Availability

EHP 3% (15/492); ER 12% (7/60); FL 14% (21/150); HM 20% (228/1128); IT 20% (133/666); LOG 20% (265/1322); OPS 21% (56/265); PA 9% (233/2465); PLAN 16% (63/385); SAF 11% (6/53); SEC 18% (22/125)



# FEMA

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