

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.

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



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Daily Operations Briefing

Tuesday, June 4, 2019

8:30 a.m. EDT

Significant Activity – June 3-4



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Significant Events:

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

Tropical Activity:

- Atlantic: Invest 91L: Medium (50%)
- 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:

- Severe thunderstorms possible – Southern Plains and Middle/Upper Mississippi valleys
- Excessive rain and flash flooding possible – Southern Plains and Middle/Upper Mississippi valleys

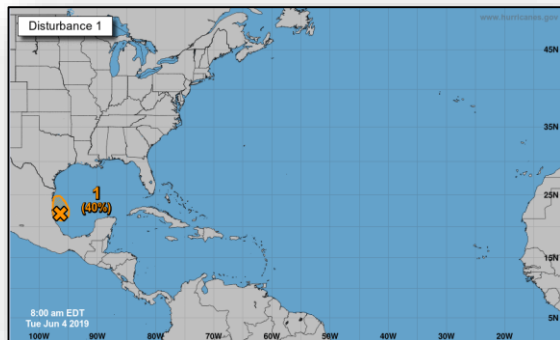
Declaration Activity:

- Major Disaster Declaration approved – Louisiana

Tropical Outlook – Five Day



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Atlantic



Eastern Pacific



Central Pacific

Invest 91L (as of 8:00 a.m. EDT)

- Located over southwestern Gulf of Mexico
- Expected to move slowly NW toward the northeastern coast of Mexico
- Could become a tropical cyclone before moving inland later today or tonight
- Regardless of development, heavy rainfall is likely to spread over southeastern Texas and Louisiana through Thursday
- Formation chance through 48 hours: Medium (40%)
- Formation chance through 5 days: Medium (40%)

Flooding – Central U.S.



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Current Situation:

Additional rainfall from northern Texas to southeast Kansas and Arkansas through this week will hasten ongoing major to record flooding. Major flood levels expected to continue across the Midwest and Great Lakes regions for weeks.

Lifeline Impacts:

Safety and Security

- Levee breaches reported in IA, MO, IL, LA, and AR:
 - LA: USACE has delayed the opening of the Morganza Control Structure to June 9

Food, Water & Sheltering:

- 28 (+1) shelters open with 398 (-18) occupants (*ARC Shelter report June 4*)
 - OK: 7 / 108 (-11); MO: 7 (+1) / 81 (+3); OH: 3 (-1) / 95 (-2); AR: 10 (+1) / 114 (-7); IL: 1 / 0
 - Mandatory and voluntary evacuations remain in effect in OK, KS, MO, AR, and OH

Health & Medical

- OH: 1 fatality and 7 injuries
- OK: 6 fatalities and numerous injuries
- KS: 3 (+1) fatalities; 44 injuries
- MO: 9 (-1) fatalities; 20 injuries
- AR: 1 fatality
- AR: Yell County Local Health Units have closed as a precautionary action and Franklin County Local Health Units are operating at limited capacity

Flooding – Central U.S.



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Lifeline Impacts (Continued):

Transportation

- Roads:
 - Numerous roads remain closed; alternate routes available
- Waterways:
 - USCG closed portions of the Mississippi and Illinois Rivers due to high-water levels
 - Commercial navigation remains shut down along all locks and dams of the Arkansas River
- Rail:
 - Amtrak, Union Pacific and BNSF services suspended in some impacted areas. Freight cargo is being rerouted, slowing delivery times, but service is operational.

Hazardous Materials

- AR: 27 wastewater treatment plants and 16 Tier II facilities impacted; could cause biologically hazardous impacts to rivers and sewage poses a sanitation and disease risk; EPA, DEQ, and National Guard are monitoring and sampling; moving equipment and hazardous materials to high ground along with sandbagging operations

Response:

State/Local

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

Response (Continued):

FEMA Regions

- FEMA Region V
 - RWC: Steady State, monitoring 24/7
 - IMAT: Fully Mission Capable, prepared to respond
- FEMA Region VI
 - RRCC: Level III (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 demobilized from KS EOC

FEMA Headquarters

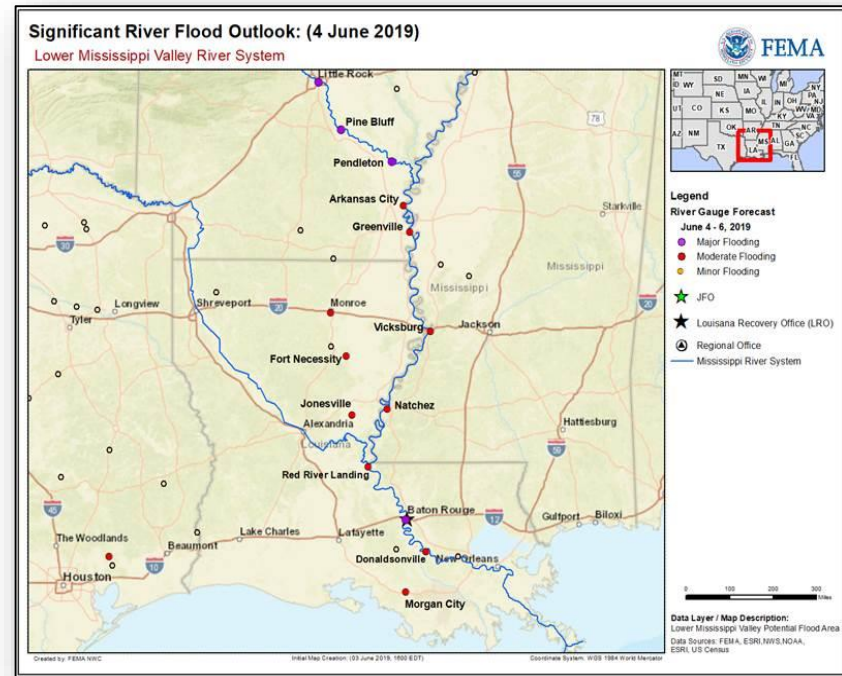
- NWC: Steady State, monitoring 24/7

Lower Mississippi Flood Forecast

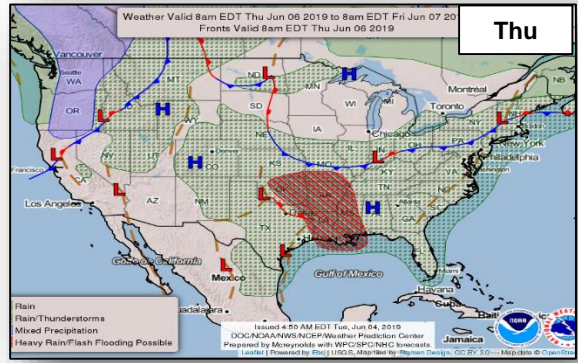
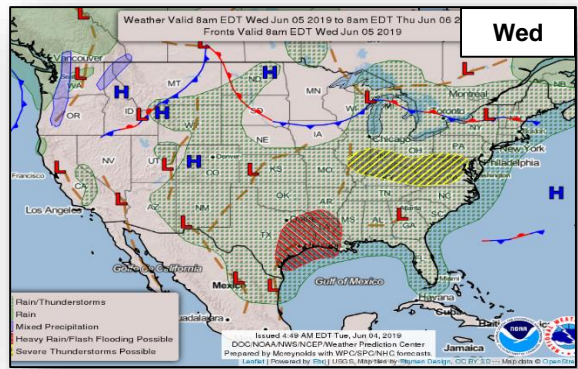
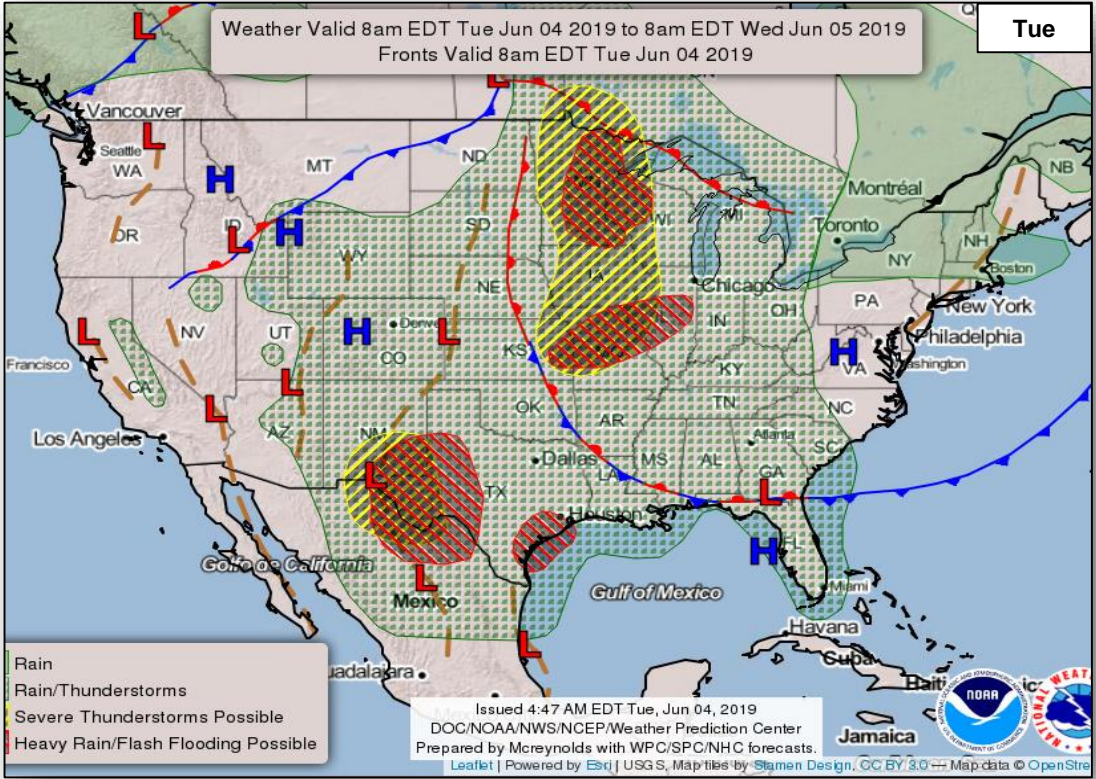


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- Overtopping, levee breaches, and storage on the Arkansas River is causing less flow to make it into the lower Mississippi River. Crests heights were reduced ½ foot from Arkansas City, AR downstream to Natchez, MS. The Red & Ouachita Rivers continue to fall allowing more room for flows from the Mississippi River so crests on the Atchafalaya River were also reduced ½ foot and the crest dates brought in a few days earlier.
- The peak flow from the Arkansas River is expected to approach the lower Mississippi River in 1 week. This will cause rises of 1 to 2 feet for the second week of June. There is still uncertainty on the eventual peak flow/timing from the Arkansas River and how that will ultimately impact the lower Mississippi River.
- The Upper Mississippi River continues to rise and major flooding is occurring at Cape Girardeau, MO and Thebes, IL. Overtopping and levee breaches upstream are causing lower crests for both locations. Additional rises of 1 to 2 feet are expected over the next few days. This flood event will be similar to the May 2017 event.
- The flows from the Upper Mississippi River combined with more moderate rises on the Ohio River will cause Cairo, IL to crest at 47.5 ft on June 8th. This crest will be 9 feet lower than the previous flood in March 2019. This crest will approach the junction of the Arkansas River in a couple of weeks and fill in behind the crest from the Arkansas River.
- The Atchafalaya River will rise 1 to 3 feet over the next several weeks. Morgan City, LA is now forecast to crest at 9.5 feet for the third week of June. This would still be the 3rd highest crest on record and the highest since May 2011.
- Since the current river forecasts have been lowered by ½ foot, the USACE will evaluate the potential opening of the Morganza Floodway for Thursday, June 6th. If operated, this would be the third time that the floodway has opened with the last time being May 2011. Once the operation begins, Baton Rouge, LA downstream to New Orleans, LA will crest and remain at the same stage levels. The Bonnet Carré Floodway will continue to operate over the next month.
- The 16 day future rainfall guidance is showing rainfall of 2 to 5 inches over portions of Arkansas, Mississippi, Tennessee, and Missouri. The Lower Mississippi River could see slightly higher levels from Cairo, IL downstream to Helena, AR. Elevated stages would dampen the rise as it approaches the junction of the Arkansas River and elevated stages would remain for June and July.
- Based on the current 28 day river forecast, Greenville, MS will break the 1927 record of 115 consecutive days above flood stage within 1 ½ weeks. Other locations will continue to add to their records through June.



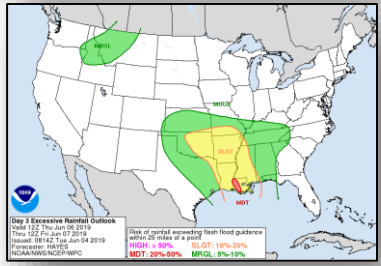
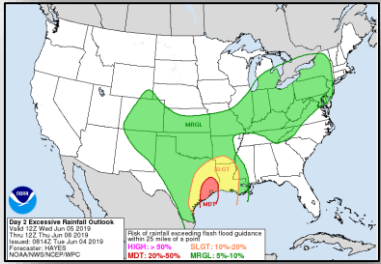
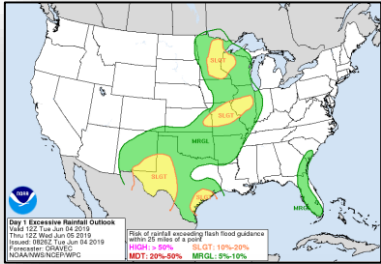
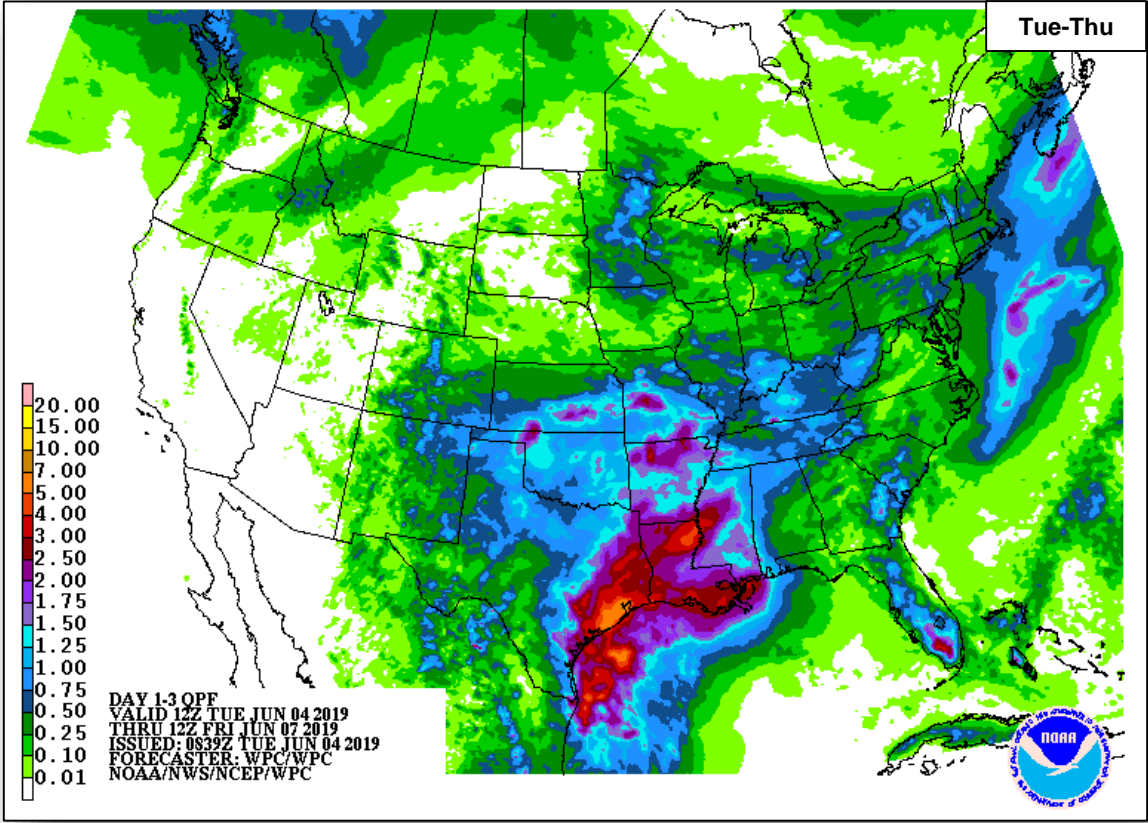
National Weather Forecast



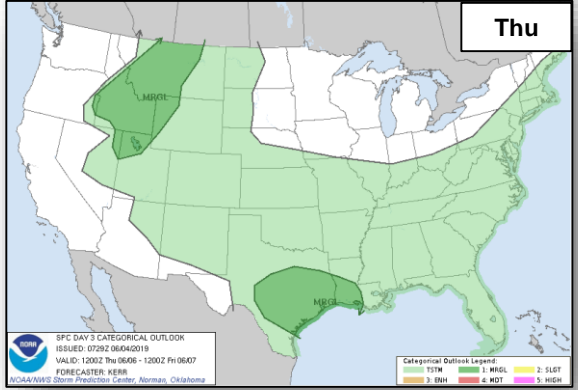
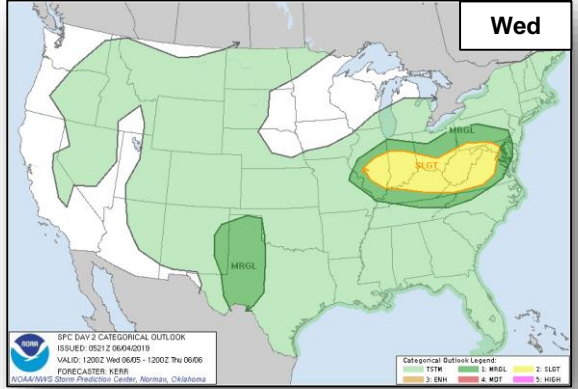
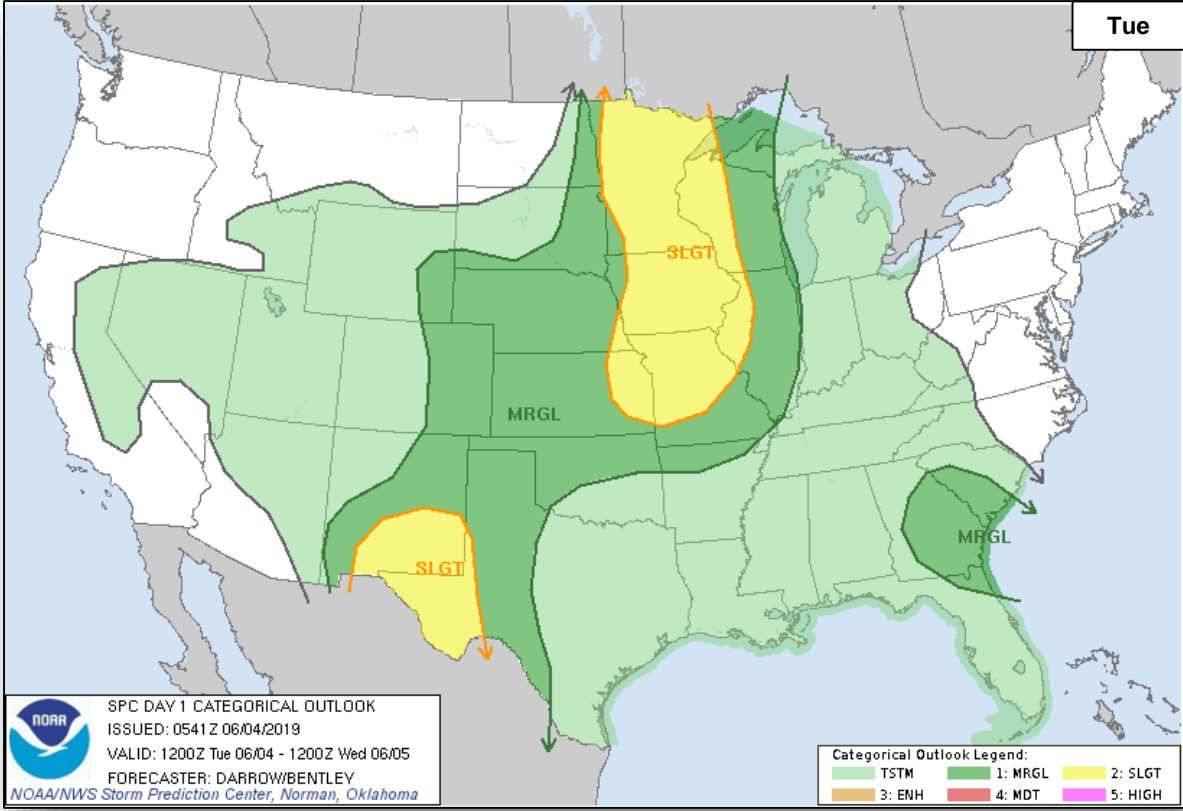
Precipitation Forecast



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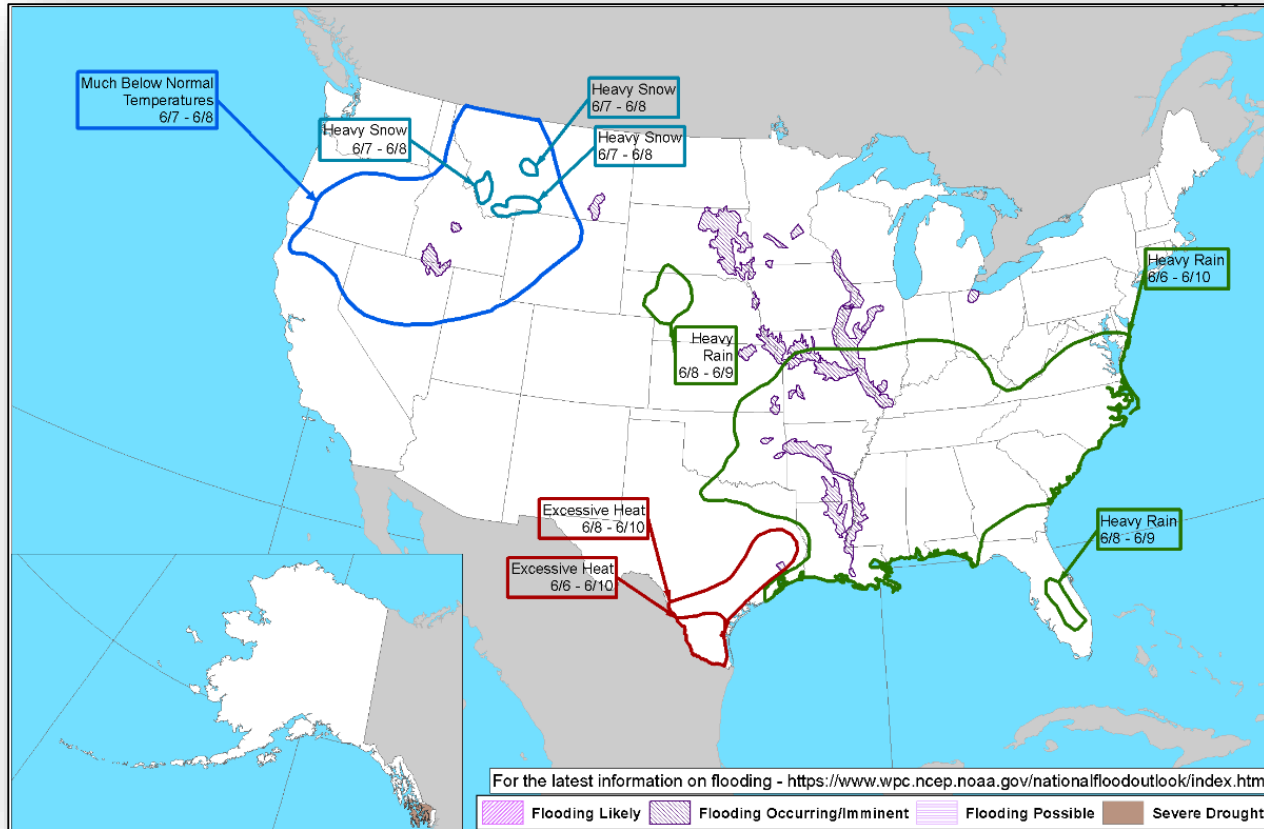
Severe Weather Outlook



Hazards Outlook – June 6 – 10



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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	6	6/2 –6/2
			PA	0	0	N/A

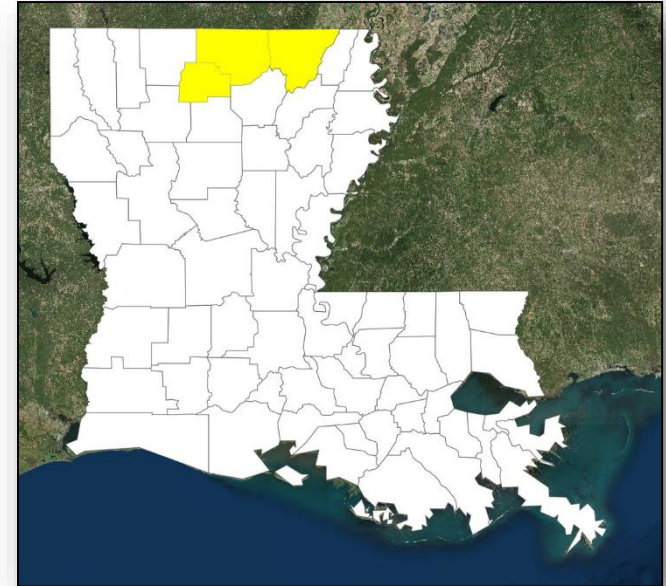
Declaration Approved



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FEMA-4439-DR-LA

- On June 3, 2019, a Major Disaster Declaration was approved for the State of Louisiana
- For severe storms and tornadoes during the period of April 24-25, 2019
- Provides:
 - Public Assistance for Lincoln, Morehouse, and Union Parishes
 - Hazard Mitigation statewide
- FCO is Traci L Brasher



PA

Disaster Requests & Declarations



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Declaration Requests in Process					Requests APPROVED (since last report)	Requests DENIED (since last report)
5	IA	PA	HM	Date Requested	1	0
LA – DR Severe Storms and Tornadoes	X	X	X	May 21, 2019	June 3, 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		

Public Assistance Grant Program

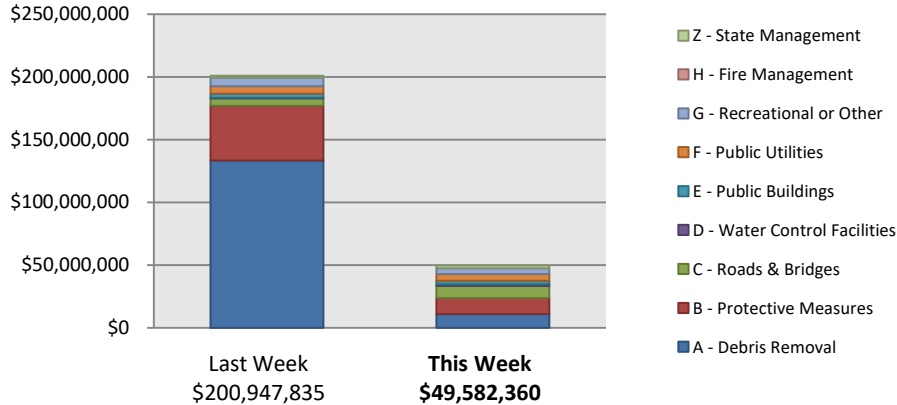


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PA Project Worksheets Obligated in past week, as of 06/03/19 at 1500 EDT									
PA Category	Emergency Work		Permanent Work						
	A - Debris Removal	B - Protective Measures	C - Roads & Bridges	D - Water Control Facilities	E - Public Buildings	F - Public Utilities	G - Recreational or Other	H - Fire Management	Z - State Management
Number Of PWs Obligated	53	121	47	8	78	22	26	0	32
Federal Share Obligated	\$10,815,302	\$12,893,074	\$9,664,395	\$1,101,279	\$2,807,238	\$5,590,013	\$4,491,532	\$0	\$2,219,527
									\$49,582,360

Public Assistance Obligated per Category

In the Past 2 Weeks – 5/20/2019 through 6/3/2019



This weeks PA Highlights

- In 4351 - AK
 - \$6 Million obligated for Category C – Roads and Bridges
- In 4404 - CNMI
 - \$4 Million obligated for Category A – Debris Removal
- In 4406 - AL
 - \$3 Million obligated for Category F – Public Utilities



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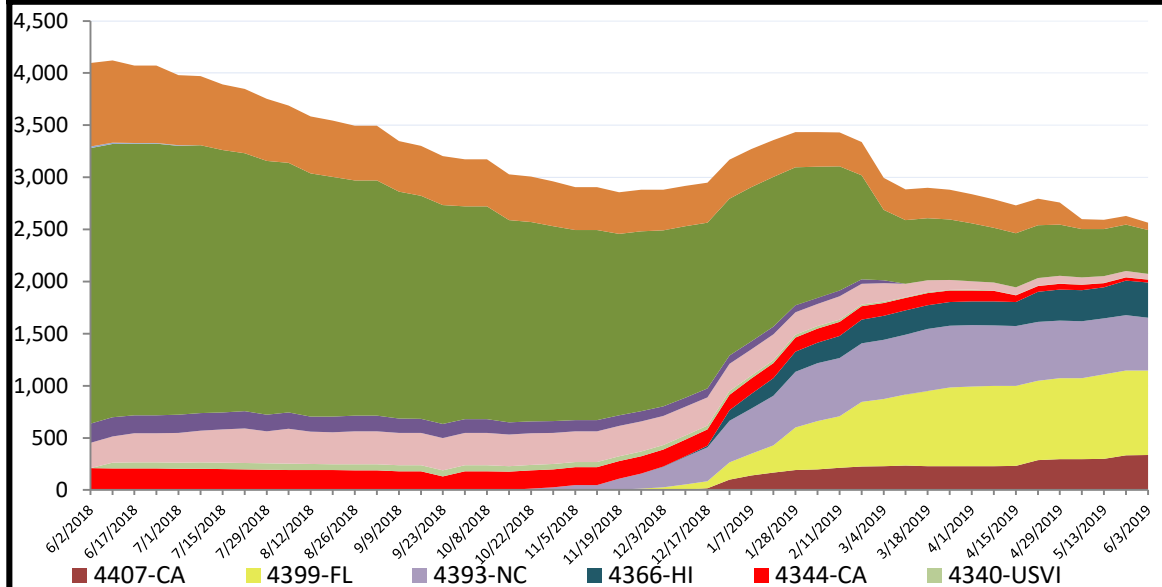
Direct Housing



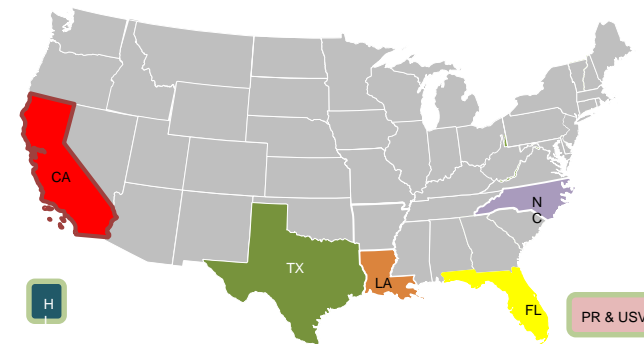
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Total Households in FEMA Direct Housing per State

Past Year per Week, 6/2/2018 – 6/3/2019, There are currently **2,234** Households Occupying **2,234** Temporary Units



DR	IA Declaration Date	Program End Date	Current # of Households in Direct Housing (Weekly Change)
4407-CA	11/12/2018	5/12/2020	337(+4)
4399-FL	10/11/2018	4/11/2020	810 (-4)
4393-NC	9/14/2018	3/14/2020	506 (-24)
4366-HI	5/11/2018	11/11/2019	6 (0)
4344-CA	10/10/2017	7/10/2019	27 (-3)
4340-USVI	9/20/2017	9/7/2019	3 (0)
4339-PR	9/20/2017	9/20/2019	54 (-5)
4332-TX	8/25/2017	8/25/2019	420 (-23)
4277-LA	8/14/2016	4/30/2019	71 (-12)



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States with Currently Occupied Units

NPSC Call Activity



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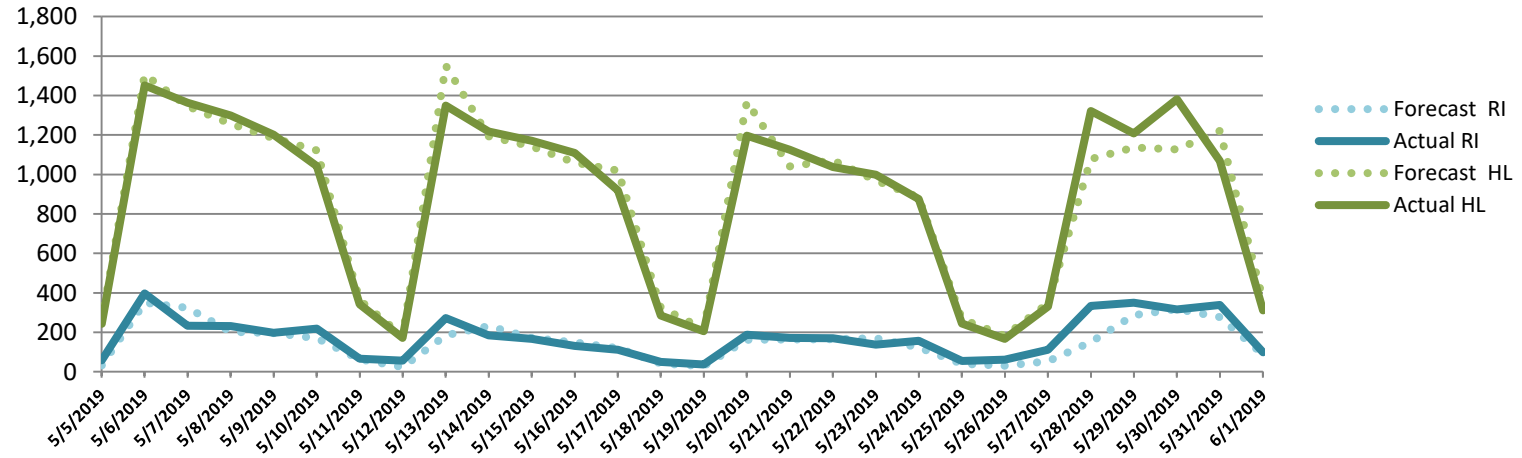
NPSC Call Activity in the Past Week

5/26/2019 through 6/01/2019

Call Type	Projected Calls	Actual Calls
Registration Intake:	1,199	1,607
Helpline:	5,451	5,786
Combined:	6,650	7,393

NPSC Call Forecasting and Actual Calls Over the Past 4 Weeks

5/5/2019 through 6/1/2019



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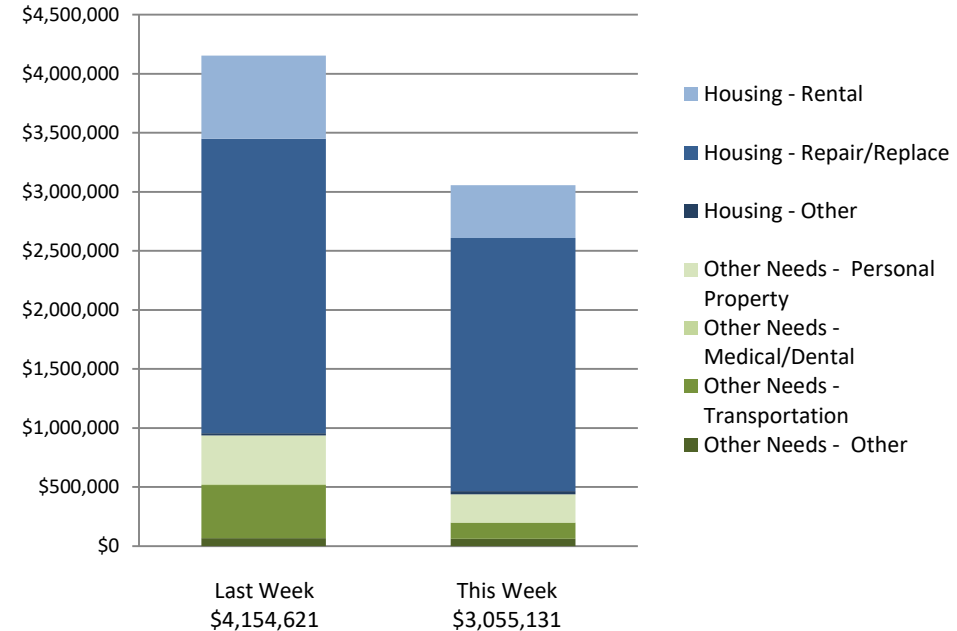
Individual Assistance Activity



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	Individuals and Households Program Activity As Of: 6/3/19				
		In Past 7 Days		Cumulative	
		Applicants Approved	Amount Approved	Applicants Approved	Amount Approved
Open Registration Period	4413-AK	Declared 01-31-2019	End Of Reg Period 05-31-2019		
	Housing Assistance	154	\$1,225,897.96	3,614	\$17,269,290.44
	Other Needs Assistance	34	\$12,525.91	727	\$281,412.50
	Total IHP	\$1,238,423.87		\$17,550,702.94	
	Average IHP			\$4,434	
	Total Max Grants			HA	ONA
				154	0
Open Registration Period	4420-NE	Declared 03-21-2019	End Of Reg Period 06-19-2019		
	Housing Assistance	38	\$165,255.90	2,865	\$20,100,649.69
	Other Needs Assistance	11	\$48,890.95	870	\$2,567,680.18
	Total IHP	\$214,146.85		\$22,668,329.87	
	Average IHP			\$7,579	
	Total Max Grants			HA	ONA
				53	0
Open Registration Period	4421-IA	Declared 03-23-2019	End Of Reg Period 07-01-2019		
	Housing Assistance	58	\$192,345.31	1,080	\$11,583,153.86
	Other Needs Assistance	27	\$43,790.26	613	\$1,502,214.39
	Total IHP	\$236,135.57		\$13,085,368.25	
	Average IHP			\$9,215	
	Total Max Grants			HA	ONA
				128	0
Other IHP Active	17 Declarations IHP Programmatically Open - Closed Registration *				
	Housing Assistance	314	\$1,032,980.80		
	Other Needs Assistance	212	\$333,443.45		
	Total IHP	\$1,366,424.25			
	Total IHP Approved in Past Week	\$3,055,130.54			

IHP Approved per Category in the Past 2 Weeks – 5/20/2019 through 6/3/2019



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before, during, and after disasters.**

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