

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.



FEMA

Daily Operations Briefing

Tuesday, August 2, 2016

8:30 a.m. EDT

Significant Activity: August 1-2



Significant Events: Flash Flooding - Ellicott City, MD

Tropical Activity:

- Atlantic – Disturbance 1- Invest 97L (High - 80%)
- Eastern Pacific – Tropical Storm Howard; Disturbance 1 – Invest 92E (Medium - 50%)
- Central Pacific – No tropical cyclones expected through Wednesday evening
- Western Pacific – No activity threatening U.S. interests

Significant Weather:

- Flash flooding possible – Southwest, Middle Mississippi and Ohio valleys
- Rain and thunderstorms – Northern Intermountain to Northern Plains, Southwest, and Southern Plains, Upper Mississippi to Lower Mississippi Valley and Southeast, Mid-Atlantic to Northeast
- Elevated/critical fire weather – CA, NV, OR, WA, ID & MT
- Isolated dry thunderstorms – NV, UT, CO, WY & MT
- Red Flag Warnings – CA, NV, OR, WA, ID, MT, UT & WY
- Space Weather – Past 24 hours – none; next 24 hours – moderate with G2 geomagnetic storms likely

Earthquake Activity: No significant activity

Declaration Activity:

- Amendments No. 7 & No. 8 to FEMA-4272-DR-TX
- FMAG approved - Roaring Lion Fire, MT

Flash Flooding - Ellicott City, MD



Situation

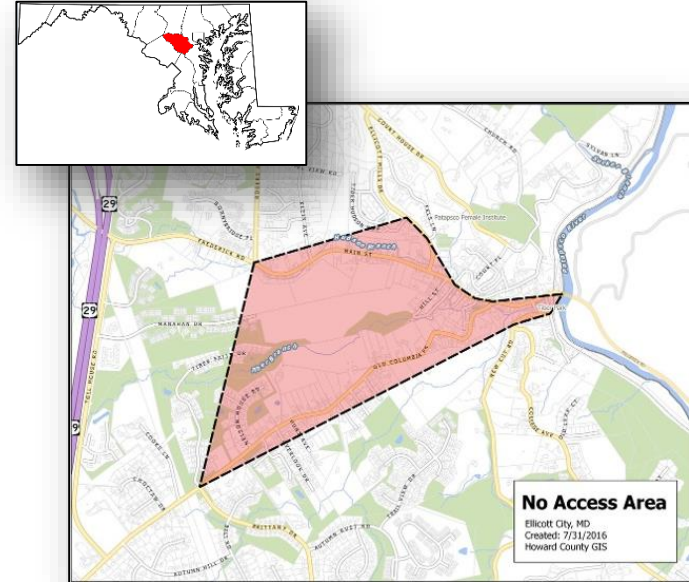
- Ellicott City (pop 66k) in Howard County, MD was heavily damaged by flash flooding Saturday evening, July 30, 2016
- 5.5 inches of rain fell in a two-hour period; more than 6.6 inches total accumulation
- Significant number of water rescues occurred July 30-31
- [2 confirmed fatalities and several injuries reported](#)
- Many buildings in historic Ellicott City sustained severe structural damage
- Some roadways have buckled or have been washed out - road closures in effect
- Vehicles and trees are stuck in the water control channel

State/Local Response

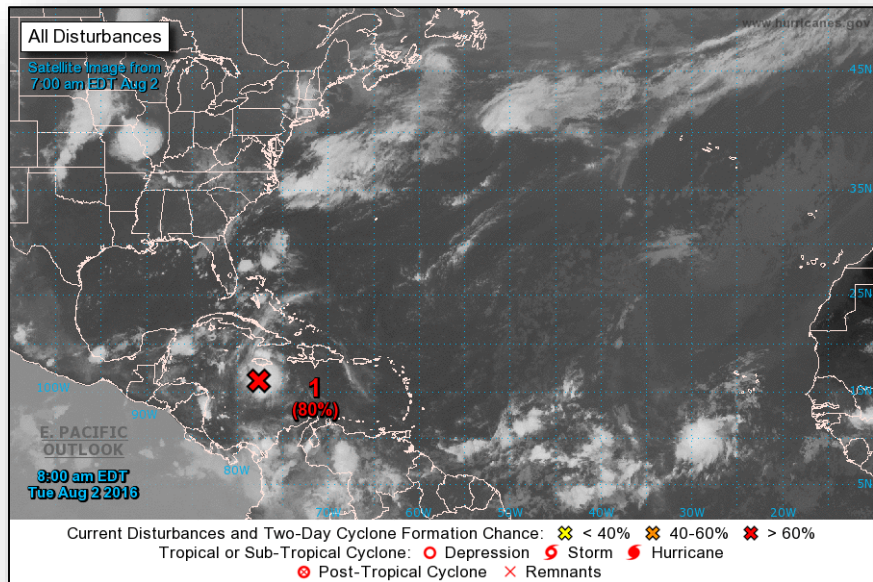
- Local damage assessments ongoing
- No civilians allowed to enter the area
- Governor declared a state of emergency on July 31
- MD EOC at Partial Activation; Howard County EOC at Full Activation
- Baltimore Regional IMT, PA IMT and local US&R deployed to Logistics Staging Area

Federal Response

- FEMA Region III at Watch/Steady State
- [FEMA Region III LNO deployed to MD EOC today](#)
- [Joint PA PDA to begin August 4](#)



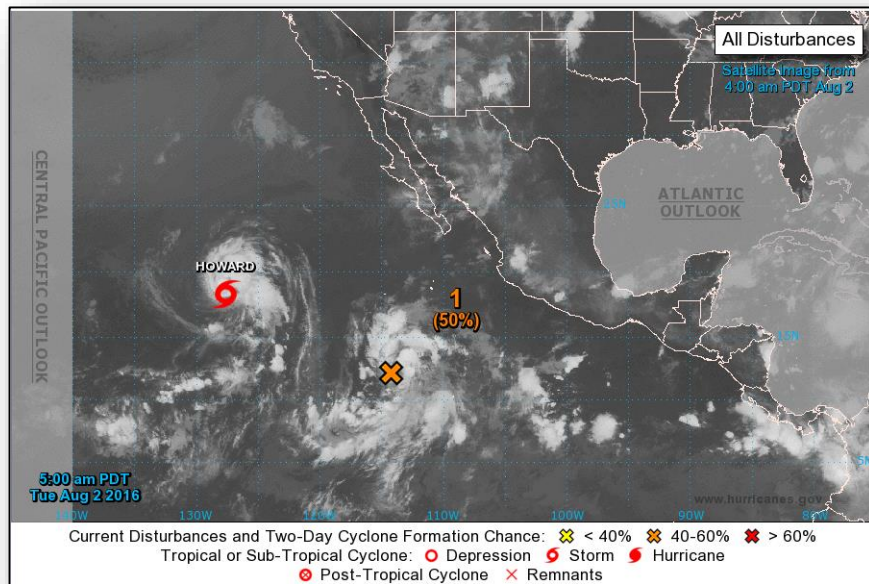
Tropical Outlook - Atlantic



Disturbance 1 – Invest 97L (As of 8:00 a.m. EDT)

- Located just S of Jamaica
- Moving W at 20 mph
- Conditions favorable for additional development
- Tropical storm likely to form later today
- USAF reconnaissance aircraft en-route to investigate
- Formation chance through 48 hours: High (80%)
- Formation chance through 5 days: High (90%)

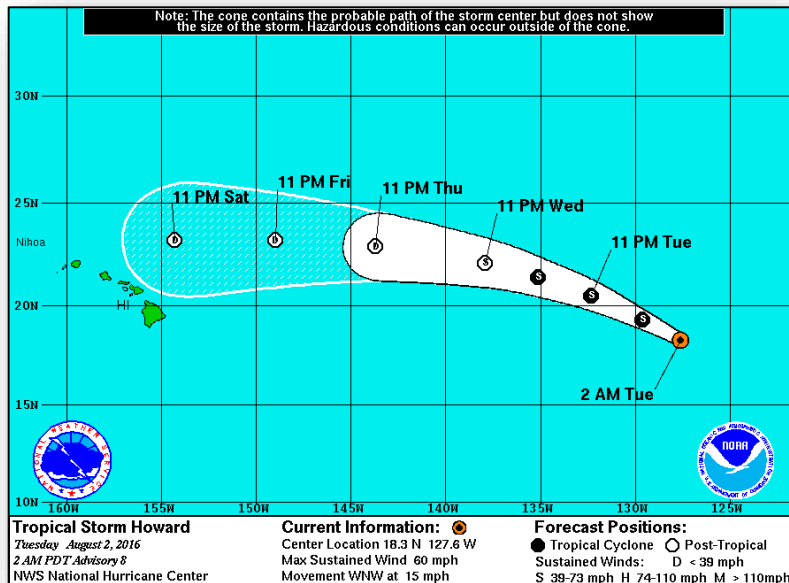
Tropical Outlook - Eastern Pacific



Disturbance 1 – Invest 92E (As of 8:00 a.m. EDT)

- Located 800 miles SSW of southern tip of Baja California peninsula, Mexico
- Moving WNW at 15 mph
- Conditions expected to be conducive for gradual development
- Tropical depression likely to form later this week
- Formation chance through 48 hours: Medium (50%)
- Formation chance through 5 days: High (90%)

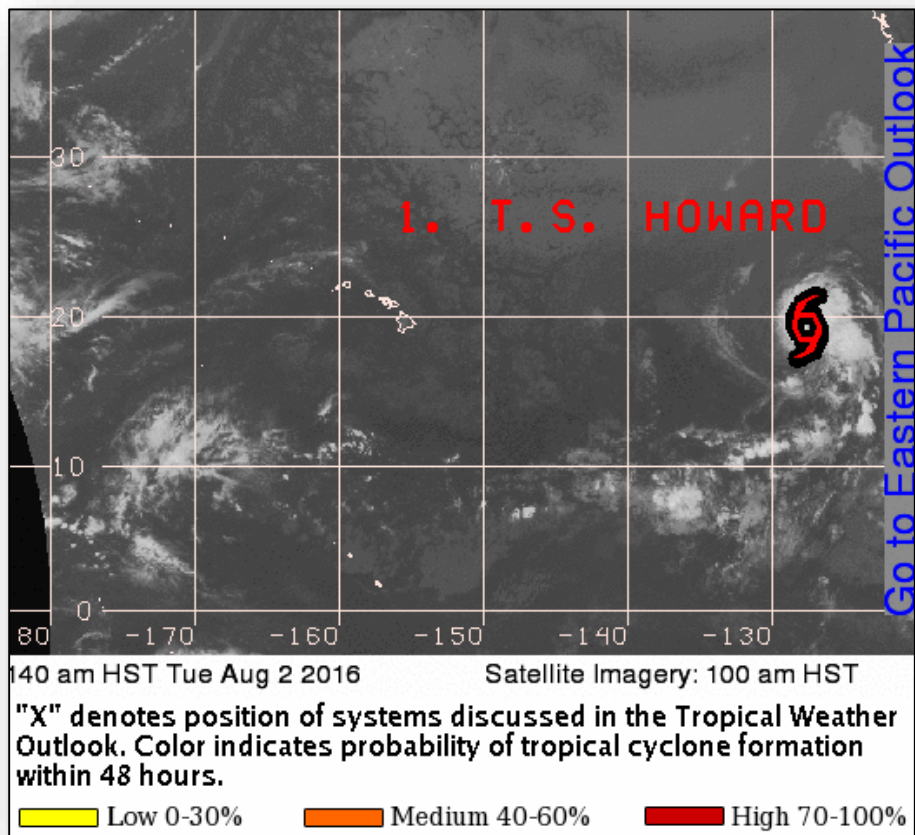
Tropical Outlook - Eastern Pacific



Tropical Storm Howard (*Advisory #8 As of 5:00 a.m. EDT*)

- Located 1,185 miles WSW of southern tip of Baja California, Mexico
- Moving WNW at 15 mph
- This general motion expected to continue next couple of days
- Maximum sustained winds 60 mph
- Little change in strength expected today
- Gradual weakening forecast to begin by tonight or early Wed
- Tropical storm force winds extend 105 miles

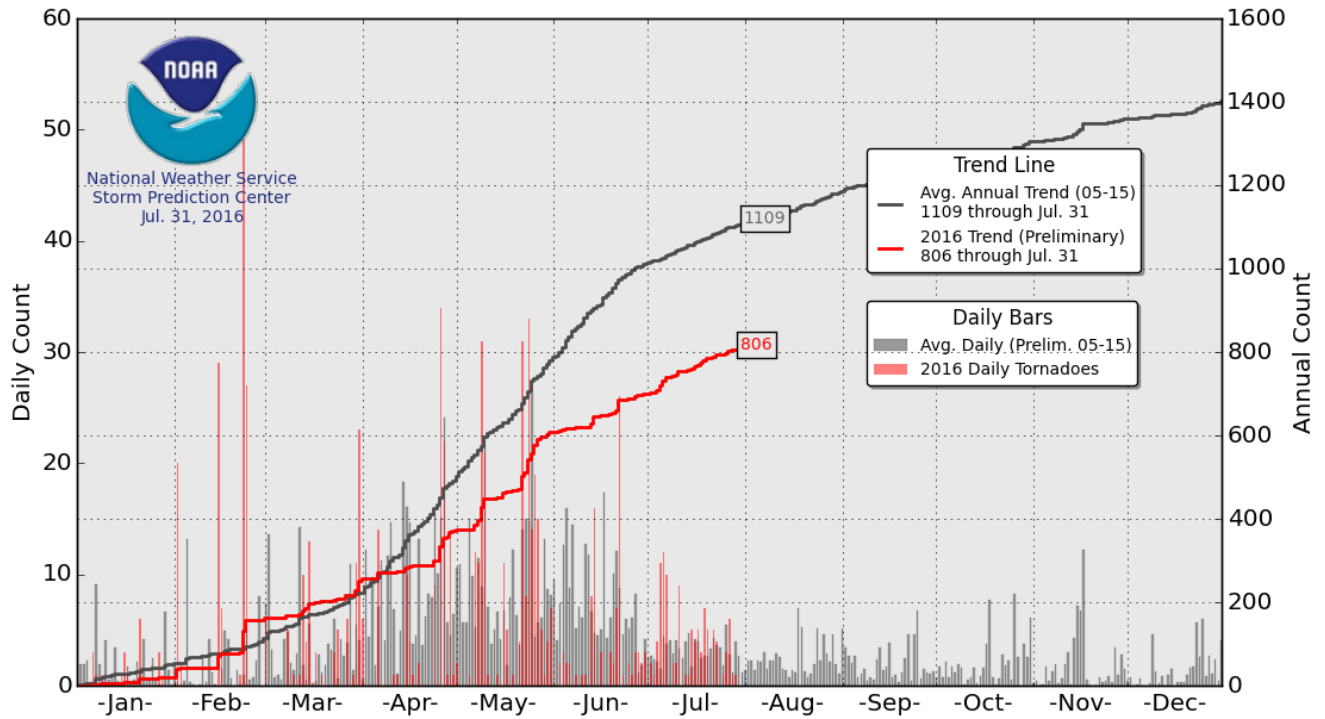
Tropical Outlook - Central Pacific



2016 Tornado Activity to date



U.S. Tornadoes: Daily Count and Running Annual Trend*



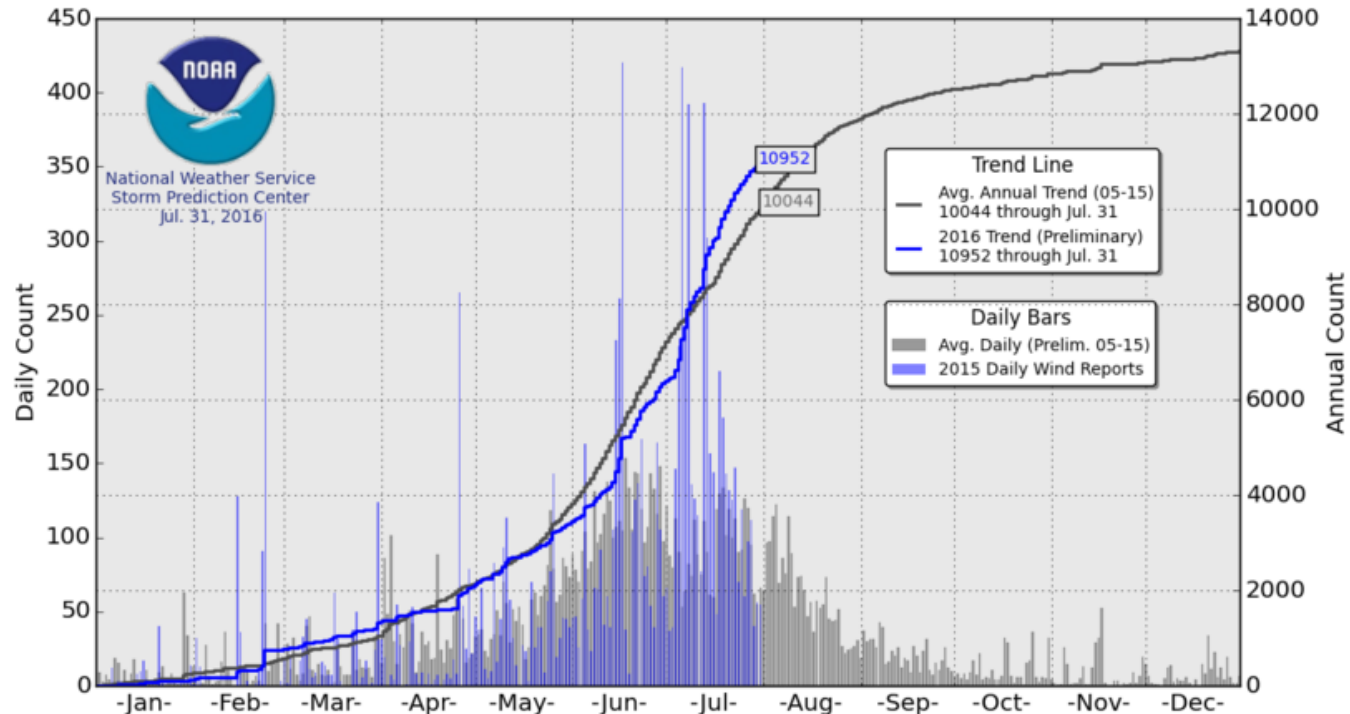
*Preliminary tornadoes from NWS Local Storm Reports (LSRs)
Daily and annual averages are based on preliminary LSRs, 2005-2015

2016 Wind Activity to date



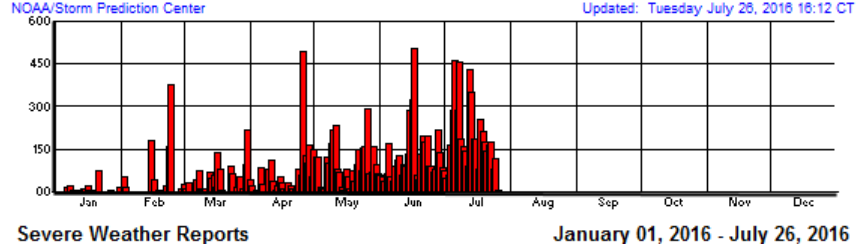
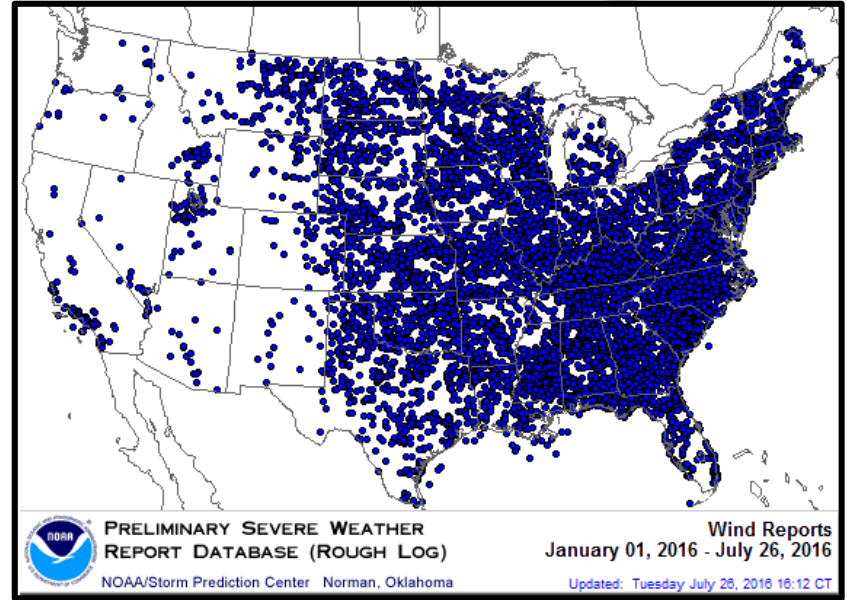
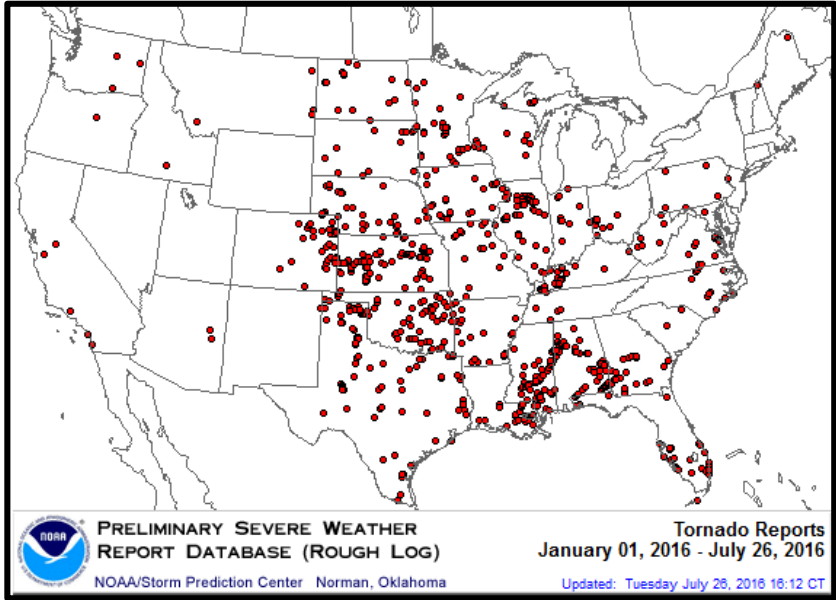
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U.S. Wind Reports: Daily Count and Running Annual Trend*

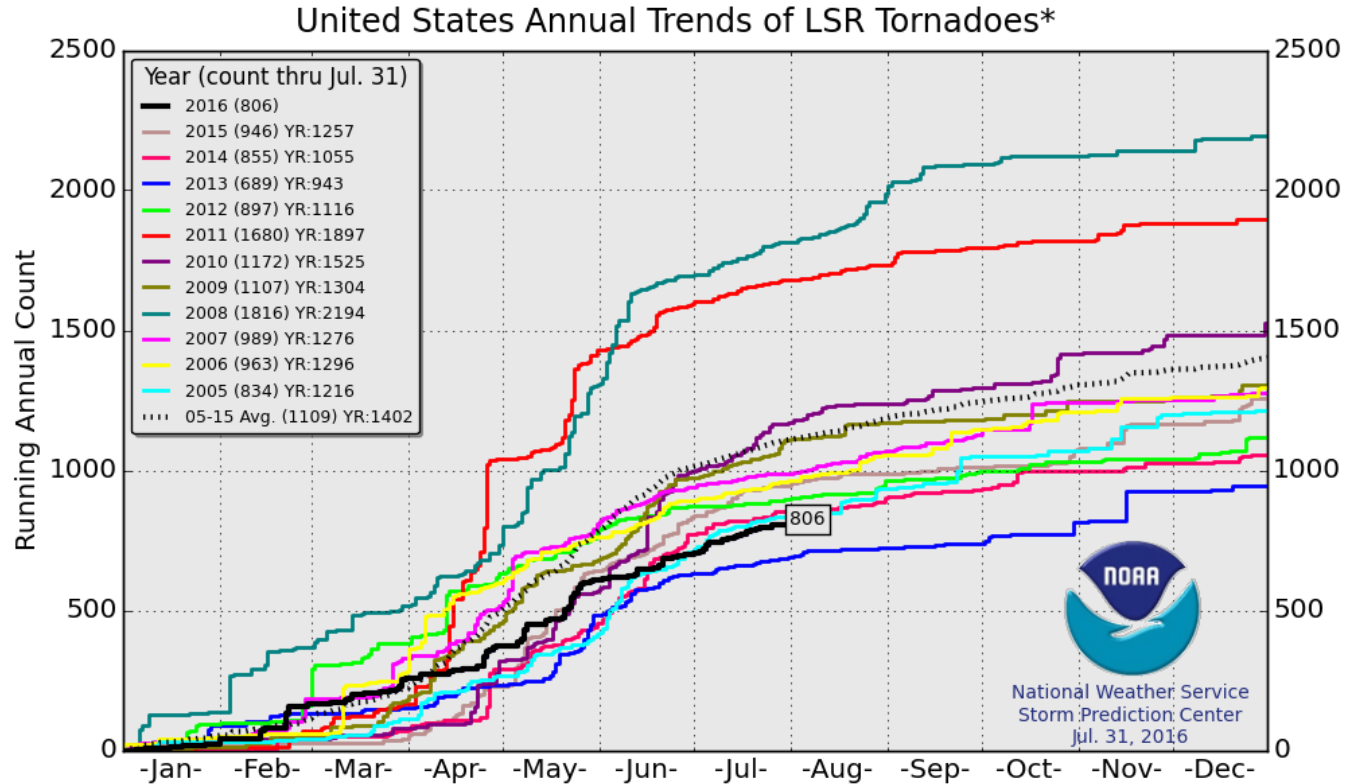


*Preliminary wind events from NWS Local Storm Reports (LSRs)
Daily and annual averages are based on Storm Data (2005-2015)

2016 Preliminary Reports



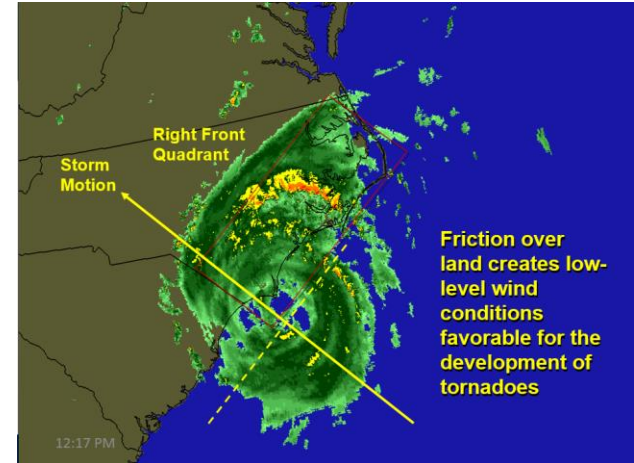
Annual Tornado Comparison



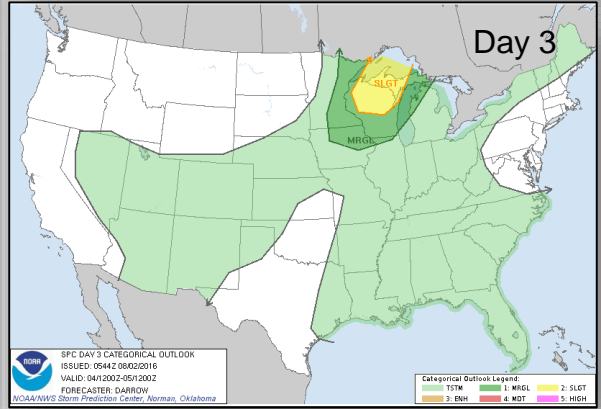
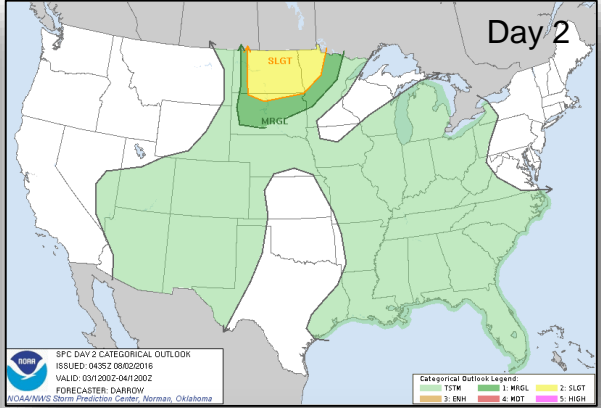
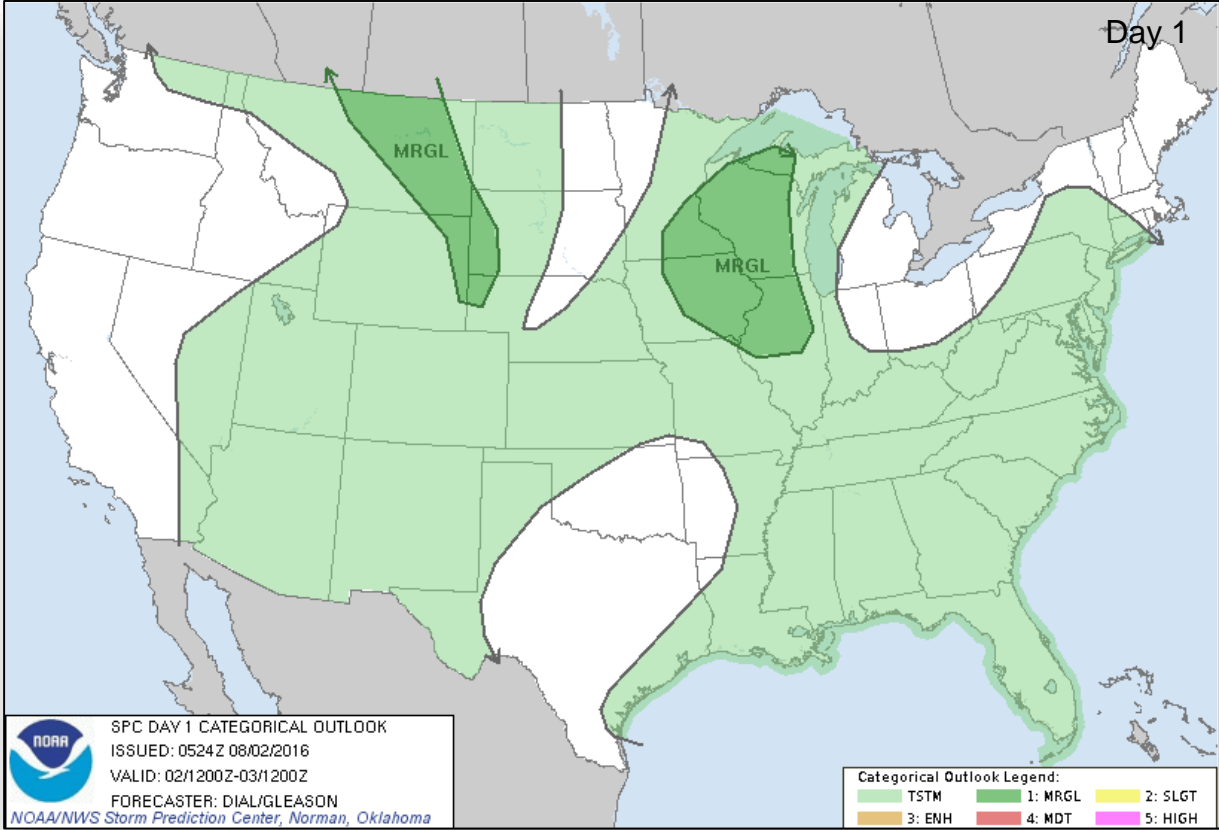
*Preliminary sightings/events from NWS Local Storm Reports (LSRs)
Annual average is based on preliminary LSRs, 2005-2015

Hurricane Induced Tornadoes

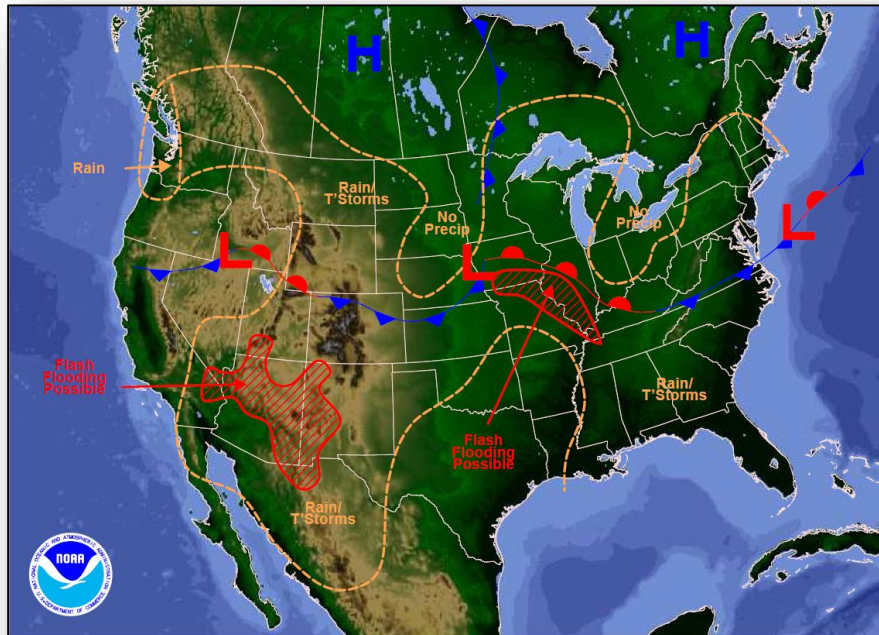
- Nearly 70% of landfalling hurricanes (1948-2000) spawn at least 1 tornado
- 40% of landfalling hurricanes spawn more than 3 tornadoes
- Some hurricanes produce tornado “outbreaks”
 - Hurricane Ivan (2004): 118
 - Hurricane Frances (2004): 103
 - Hurricane Rita (2005): 98
 - Tropical Storm Fay (2008): 50



Severe Weather Outlook- Days 1-3

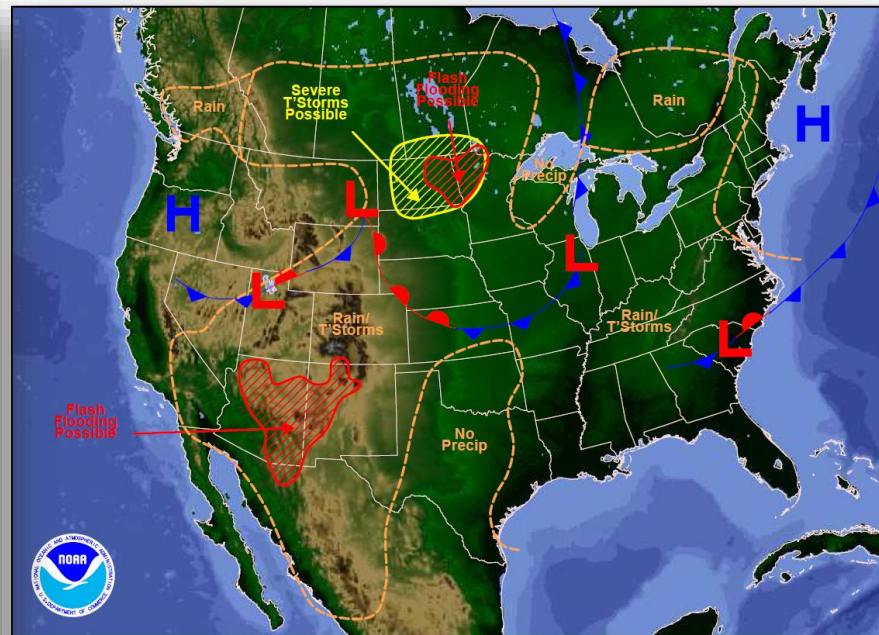


National Weather Forecast



Weather Forecast for Tue, Aug 02, 2016, issued 4:53 AM EDT
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WFC, SPC and NHC forecasts

Today



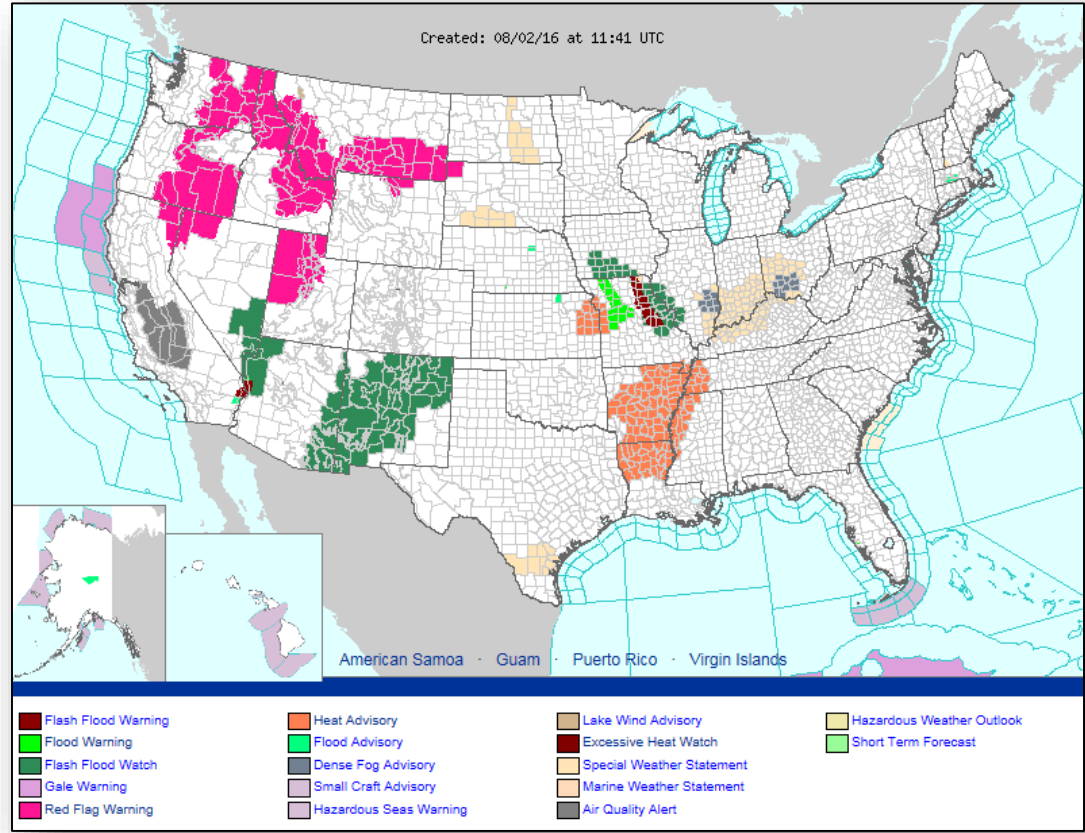
Weather Forecast for Wed, Aug 03, 2016, issued 4:56 AM EDT Tue, Aug 02, 2016
DOC/NOAA/NWS/NCEP/Weather Prediction Center
Prepared by McCreynolds based on WFC, SPC and NHC forecasts

Tomorrow

Active Watches & Warnings



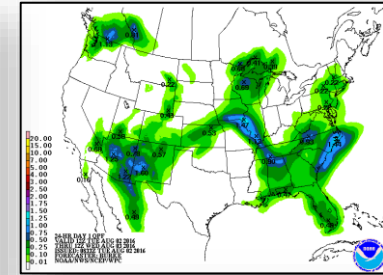
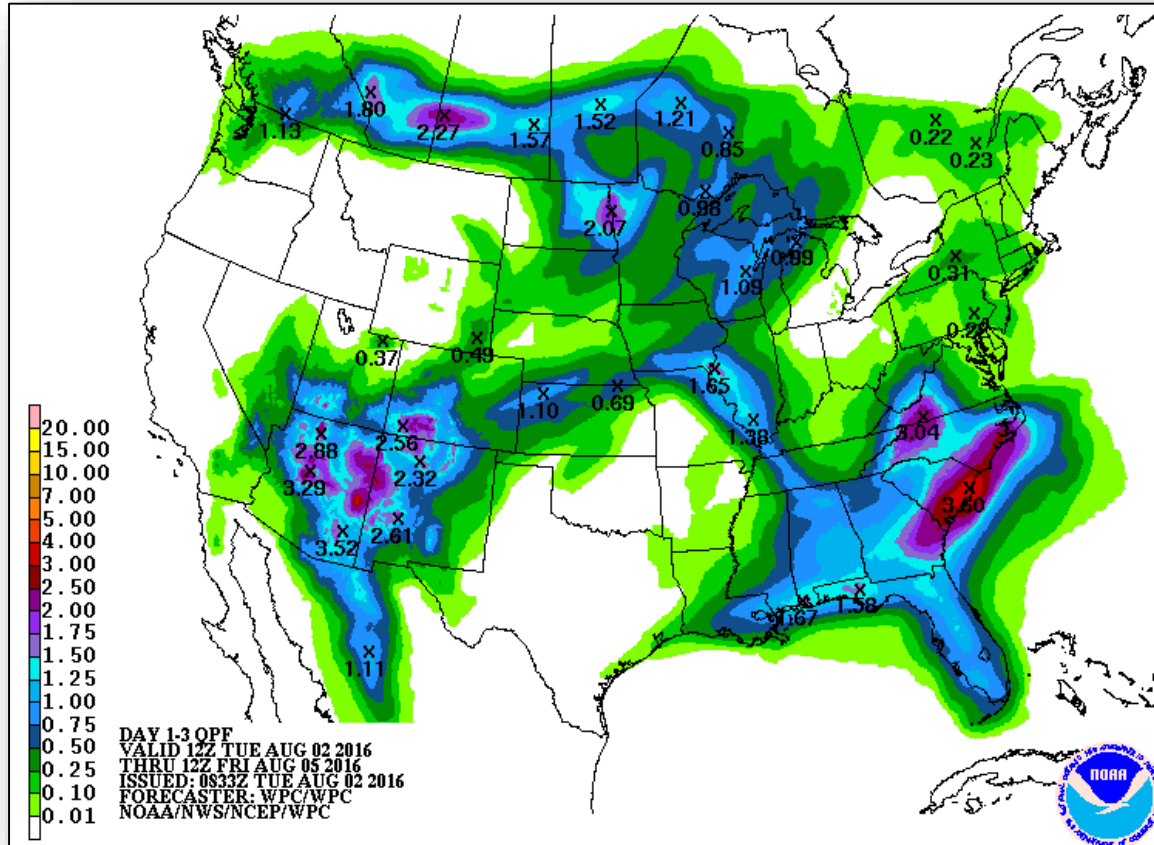
FEMA



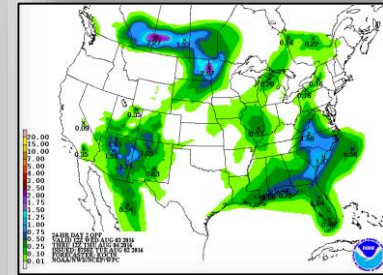
Precipitation Forecast: Days 1-3



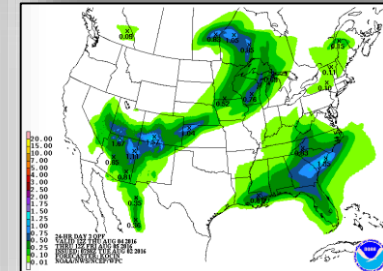
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Day 1

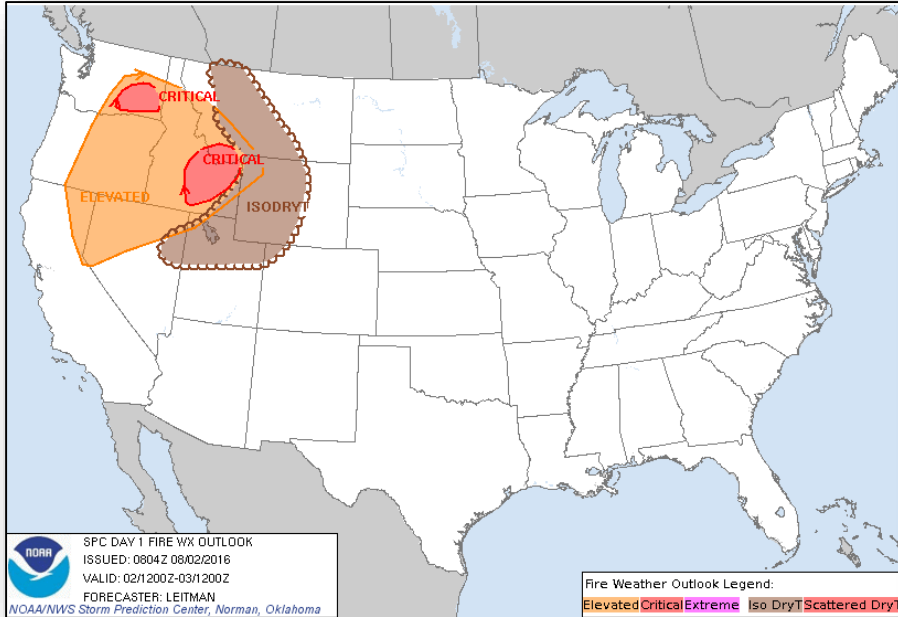


Day 2

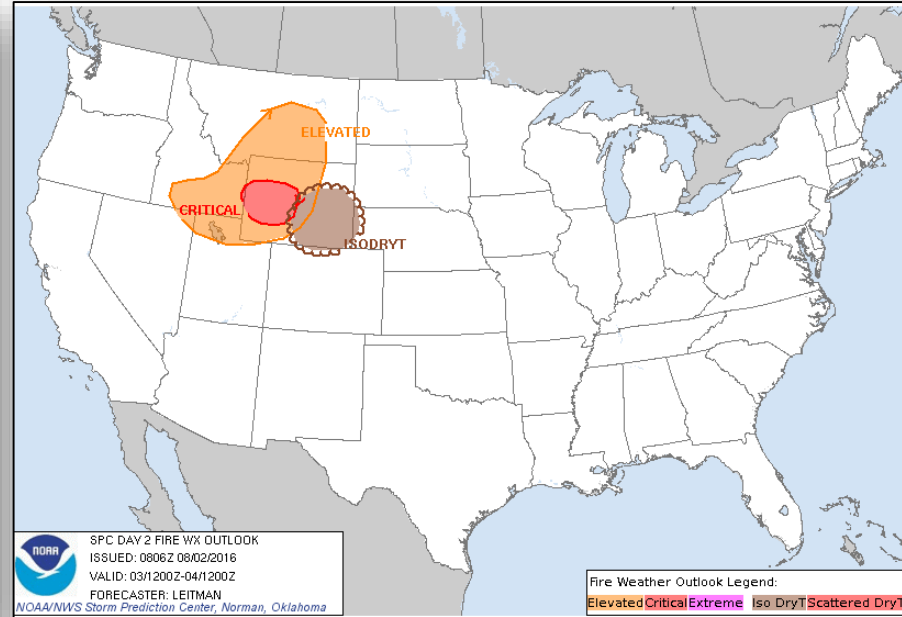


Day 3

Fire Weather Outlook

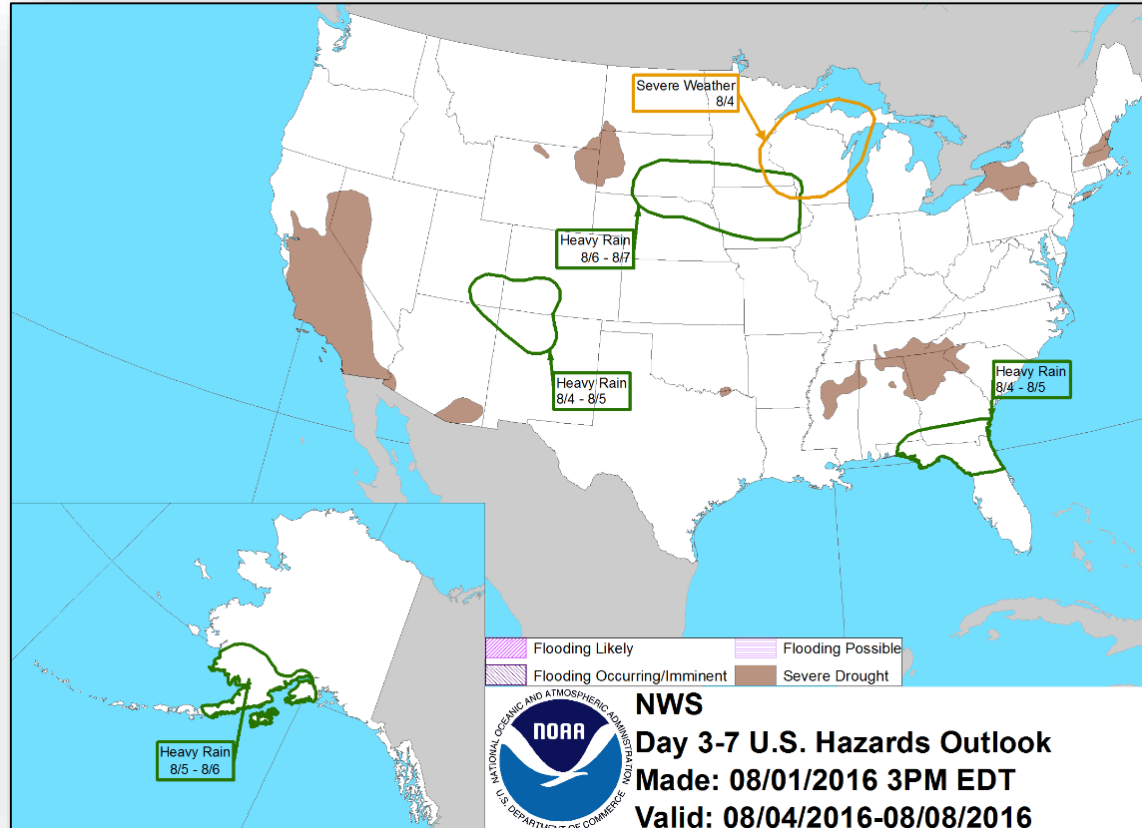


Day 1



Day 2

Hazards Outlook – August 4 - 8

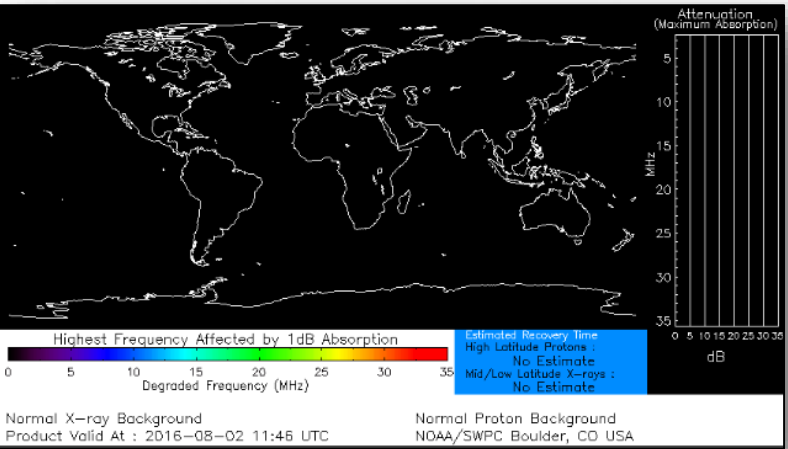




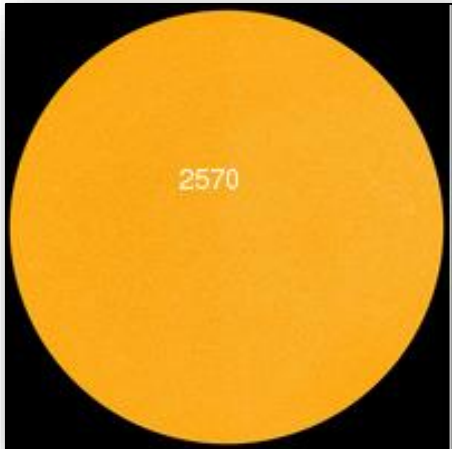
Space Weather

	Past 24 Hours	Current	Next 24 Hours
Space Weather Activity	None	None	Moderate
Geomagnetic Storms	None	None	G2
Solar Radiation Storms	None	None	None
Radio Blackouts	None	None	None

HF Communication Impact



Sunspot Activity



Roaring Lion Fire - Montana



Fire Name	Location	Acres burned	% Contained	Est. Full Containment	FMAG	Structures Lost / Threatened	Fatalities / Injuries
Roaring Lion	Ravalli County	3,655	0%	September 1	FEMA-5143-FM-MT Approved August 1	12 homes / 1,500 (500 homes)	0 / 0

Current Situation

- Fire began July 31, 2016 and is burning on federal, state, county, and private land near city of Hamilton (pop 4,348)
- Threatening power lines, Lost Horse watershed, cell towers and local transportation
- Mandatory evacuations in effect for 1,000 people
- 1 shelter open with 3 occupants *(ARC Midnight Shelter Count as of 6:21 am EDT)*
- No injuries or fatalities

Response

- MT EOC remains at normal operations
- Region VIII RWC remains at Watch/Steady State



Wildfire Summary



Fire Name (County)	FMAG #	Acres burned	% Contained	Evacuations (Residents)	Structures Threatened	Structures Damaged / Destroyed	Fatalities / Injuries
Wyoming (2)							
Lava Mountain Fire (Fremont County)	FEMA-5136-FM-WY	14,339 (+1,136)	50% (+10)	Mandatory	12,223 (343 homes)	2 / 0	0 / 2
Tokewanna Fire (Uinta County)	FEMA-5139-FM-WY	1,313	36% (+12)	Mandatory	63 (48 homes)	0 / 8 (8 homes)	0 / 0
California (2)							
Soberanes Fire (Monterey County)	FEMA-5137-FM-CA	40,700 (+700)	18%	Mandatory	2,000 homes	5 (3 homes) / 68 (57 homes)	1 / 1
Goose Fire (Fresno County)	FEMA-5140-FM-CA	2,020 (+220)	20% (+15)	Mandatory	400 (+200) homes	0 / 5 (3 homes)	0 / 0
Nevada (1)							
Virginia Mountains Complex (Washoe County)	FEMA-5141-FM-NV	47,876 (+11,785)	40% (+5)	Mandatory	80 (30 homes)	0 / 6 homes	0 / 0
Washington (1)							
South Ward Gap (Benton County)	FEMA-5142-FM-WA	5,000 (+4,000)	10% (+10)	Lifted	100 (+50) homes	0 / 2 (no homes)	0 / 0

FMAG Requests and Declarations



Action (since last report)	Total	FMAG No. and State
Requests DENIED	0	
Requests APPROVED	4	FEMA-5139-FM; Wyoming FEMA-5140-FM; California FEMA-5141-FM; Nevada FEMA-5142-FM; Washington

Approved FMAG Data

Year	Current YTD	MTD	Monthly Average	Cumulative Acres Burned YTD	Cumulative Denied FMAGs YTD
2016	26	4	13.3	218,240	3
Year	Total Previous FY	++ Yearly Average		Total Acres Burned Previous Year	Total Denied FMAGs Previous Year
2015	33	36		250,658	2

* Reflects the 3-year average for current month/ ** Reflects 3-year total average

Joint Preliminary Damage Assessments



Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
III	MD	Severe weather & heavy rains July 30, 2016	PA	1	0	8/4 – TBD
IV	KY	Severe storms, tornadoes, flooding & strong winds July 3-9, 2016	IA	2	0	8/2 – TBD
			PA	23	0	8/2 – TBD

Disaster Requests & Declarations



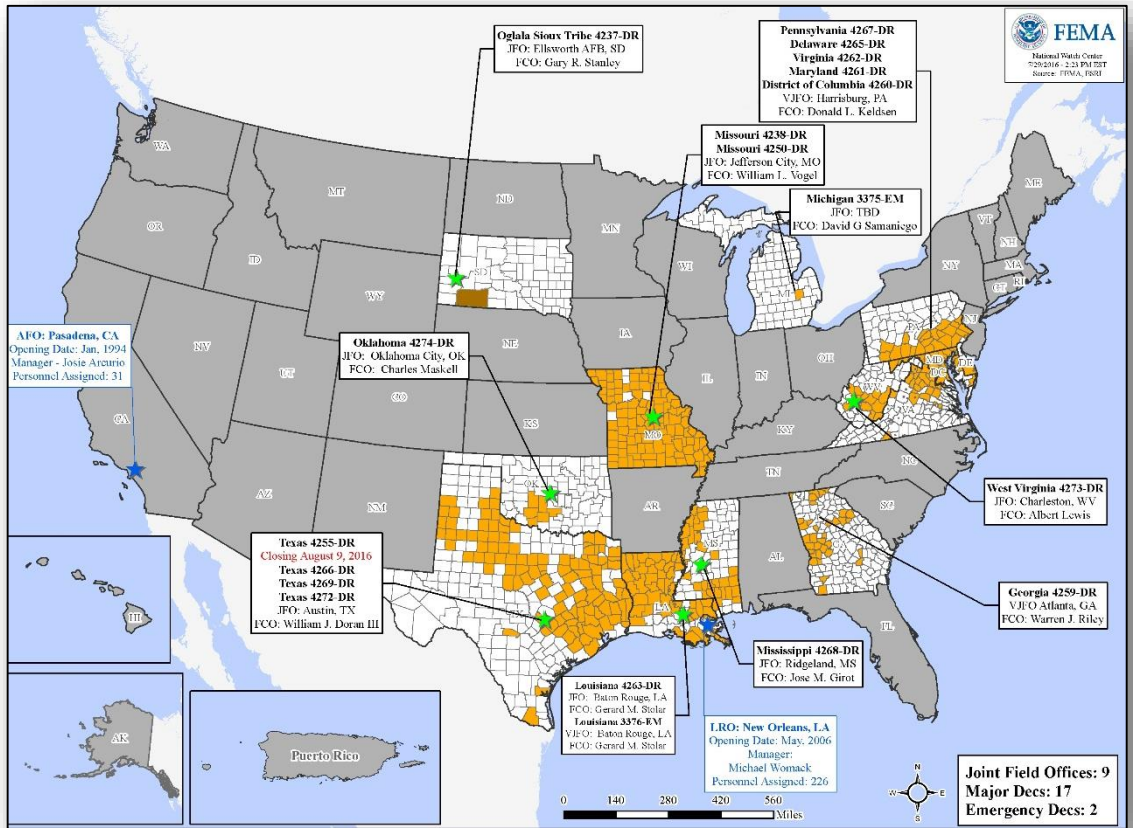
Declaration Requests in Process		Requests APPROVED (since last report)	Requests DENIED (since last report)
2	Date Requested	0	0
MT – DR Tornado	July 20, 2016		
KS – DR Severe Storms, Tornadoes, and Flooding	July 21, 2016		

Disaster Amendments



Amendment	Effective Date	Action
Amendment No. 7 to FEMA-4272-DR-TX	August 1, 2016	Changes the incident period to May 22 – June 24, 2016
Amendment No. 8 to FEMA-4272-DR-TX	August 1, 2016	Adds 1 county for Public Assistance

Open Field Offices as of August 2, 2016



FEMA Readiness - Deployable Teams & Assets



Deployable Teams & Assets									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Detailed, Deployed, Activated	Comments	Rating Criterion
FCO		37	11	30%	0	3	23		OFDC Readiness: FCO Green Yellow Red Type 1 3+ 2 1 Type 2 4+ 3 2 Type 3 4 3 2 FDRC 3 2 1
FDRC		10	4	40%	0	0	6		
US&R		28	26	93%	1	0	1	NJ-TF1 Partially Mission Capable	<ul style="list-style-type: none"> Green = Available/FMC Yellow = Available/PMC Red = Out-of-Service Blue = Assigned/Deployed
National IMAT		3	3	100%	0	0	0	East 2: Primary (On Call)	<ul style="list-style-type: none"> Green: 3 available Yellow: 1-2 available Red: 0 avail (<i>Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.</i>)
Regional IMAT		13	10	77%	0	0	3	<u>Deployed:</u> Region I: WV (4273-WV) Region III: WV (4273-WV) Region VII: Reconstituting (FMC – August 7, 2016)	<ul style="list-style-type: none"> Green: >6 teams available Yellow: 4 - 6 teams available Red: < 4 teams available R-IMAT also red if TL Ops/Log Chief is unavailable & has no qualified replacement
MERS Teams		18	18	100%	0	0	0	<u>Deployed:</u> None	<ul style="list-style-type: none"> Green = >66% available Yellow = 33% to 66% available Red = <33% available

FEMA Readiness - National & Regional Teams



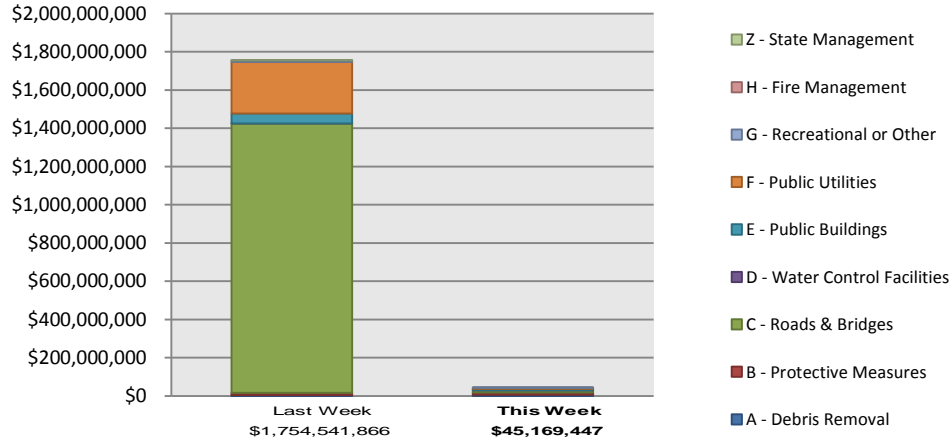
National/Regional Teams									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Status	Comments	Rating Criterion
NWC		5	5	100%	0	0	Not Activated		<ul style="list-style-type: none"> • Green = FMC • Yellow = PMC • Red = NMC
NRCC		2	2	100%	0	0	Not Activated		
HLT		1	1	100%	0	0	Activated		
DEST							Not Activated		
RRCCs		10	10	100%	0	0	Not Activated		
RWCs/MOCs		10	10	100%	0	0	Not Activated		

Public Assistance Grant Program



PA Project Worksheets Obligated in past week, as of 08/01/16 at 1500 EDT										
	Emergency Work		Permanent Work							
PA Category	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	Total
Number Of PWs Obligated	33	155	141	6	33	25	15	0	0	408
Federal Share Obligated	\$6,436,658	\$11,188,949	\$12,013,314	\$542,830	\$5,769,783	\$7,399,294	\$1,818,619	\$0	\$0	\$45,169,447

Public Assistance Obligated per Category In the Past 2 Weeks – 07/18/2016 through 08/01/2016



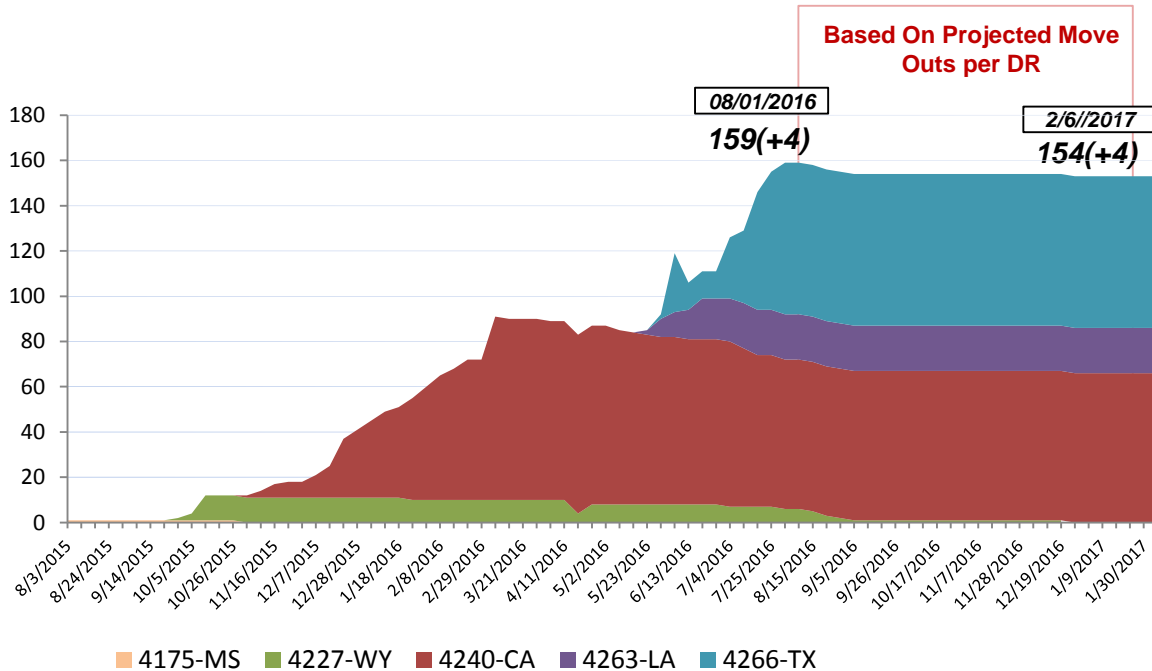
PA Highlights

- None at this time.

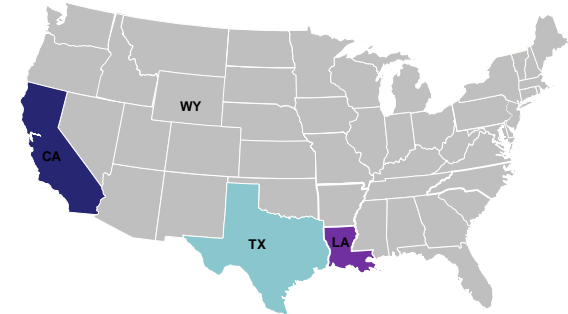
Direct Housing



**Total Households in FEMA Direct Housing per State
Past Year per Week, 8/3/2015 – 8/1/2016, Projected to 2/6/2017
There are currently **159** Households Occupying **155** Temporary Units**



DR	IA Declaration Date	Program End Date	Current # of Households in Direct Housing (Weekly Change)
4227-WY	7/7/2015	1/7/2017	6 (-1)
4240-CA	9/22/2015	3/22/2017	66(-1)
4263-LA	3/13/2016	9/13/2017	20(0)
4266-TX	3/19/2016	9/19/2017	67(+6)



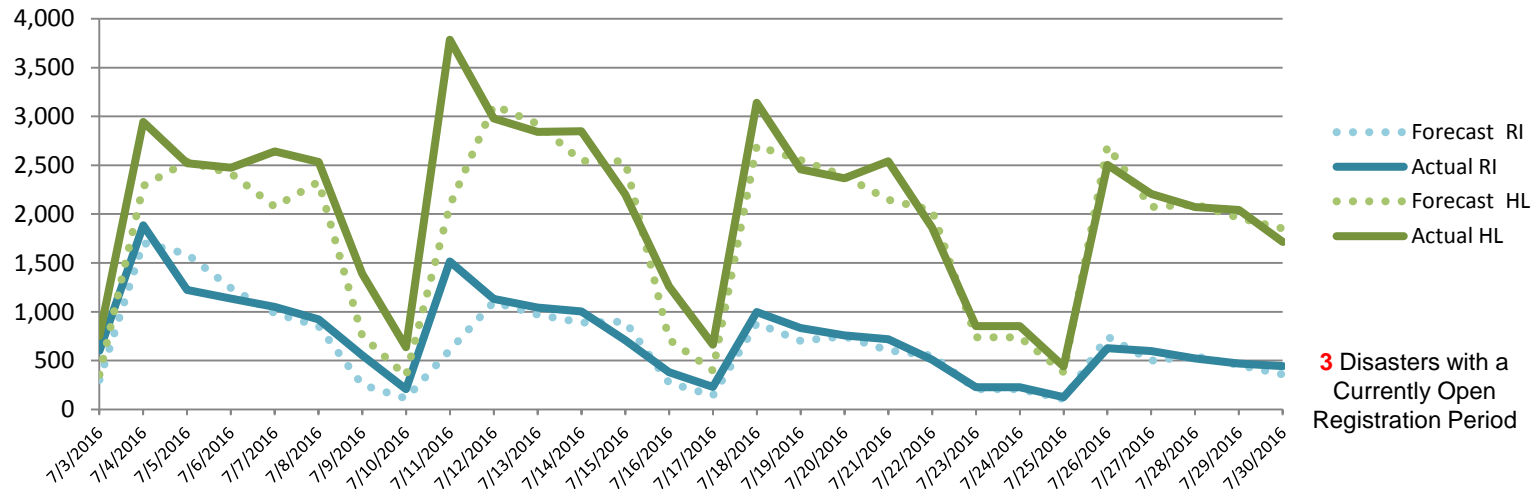
States with Currently Occupied Units

NPSC Activity



NPSC Call Activity in the Past Week 7/24/2016 through 7/30/2016				
Call Type	Projected Calls	Actual Calls	Average Speed of Answer	Maximum Delay Time
Registration Intake:	1,376	1,578	:13	5:47
Helpline:	6,621	6,757	:12	2:35
Combined:	7,997	8,335	:12	5:47

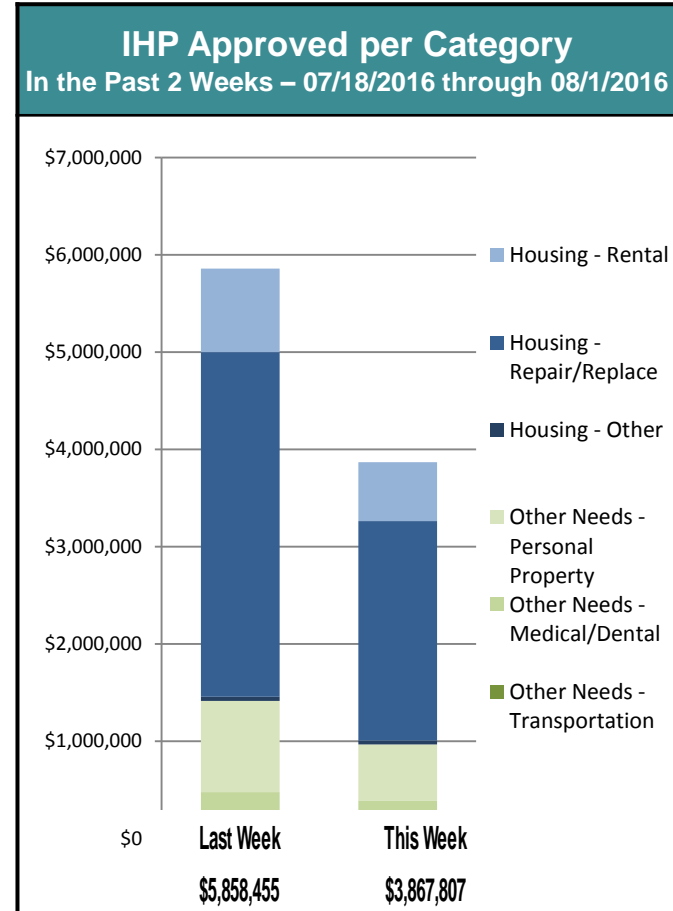
NPSC Call Forecasting and Actual Calls Over the Past 4 Weeks
07/3/2016 through 07/30/2016



Individual Assistance Activity



Individuals and Households Program Activity As Of: 8/1/16					
		In Past 7 Days		Cumulative	
		Applicants Approved	Amount Approved	Applicants Approved	Amount Approved
4269-TX Declared 04-25-2016 End Of Reg Period 07-29-2016					
Open Registration Period	Housing Assistance	108	\$351,092.47	8,553	\$42,449,341.62
	Other Needs Assistance	84	\$275,264.10	4,950	\$15,854,620.87
	Total IHP		\$626,356.57		\$58,303,962.49
4272-TX Declared 06-11-2016 End Of Reg Period 08-10-2016					
Open Registration Period	Housing Assistance	171	\$645,386.31	4,944	\$30,542,717.13
	Other Needs Assistance	98	\$263,412.47	1,858	\$5,274,474.15
	Total IHP		\$908,798.78		\$35,817,191.28
4273-WV Declared 06-25-2016 End Of Reg Period 08-24-2016					
Open Registration Period	Housing Assistance	322	\$1,574,775.07	4,215	\$30,354,774.36
	Other Needs Assistance	113	\$353,923.04	1,476	\$5,603,169.45
	Total IHP		\$1,928,698.11		\$35,957,943.81
Other IHP Active	12 Declarations IHP Programmatically Open - Closed Registration *				
	Housing Assistance	117	\$329,606.42		
	Other Needs Assistance	43	\$74,347.22		
	Total IHP		\$403,953.64		
	Total IHP Approved in Past Week		\$3,867,807.10		





FEMA

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.