

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**

**Tuesday, May 3, 2016**

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

# Significant Activity: May 2–3



**Significant Events:** None

**Significant Weather:**

- Severe Thunderstorms Possible – Carolinas
- Rain and thunderstorms – Pacific Northwest to California and Southern Plains; Great Lakes & Ohio Valley, Southeast, Mid-Atlantic
- Rain – Pacific Northwest, Ohio Valley & Northeast
- Elevated Fire Weather Areas – None
- Red Flag Warnings – ND, WI
- Space Weather – G1 (Minor) Geomagnetic storm observed past 24 hours; none predicted next 24 hours

**Tropical Activity:** No activity affecting the U.S. or its Territories

**Earthquake Activity:** No significant activity

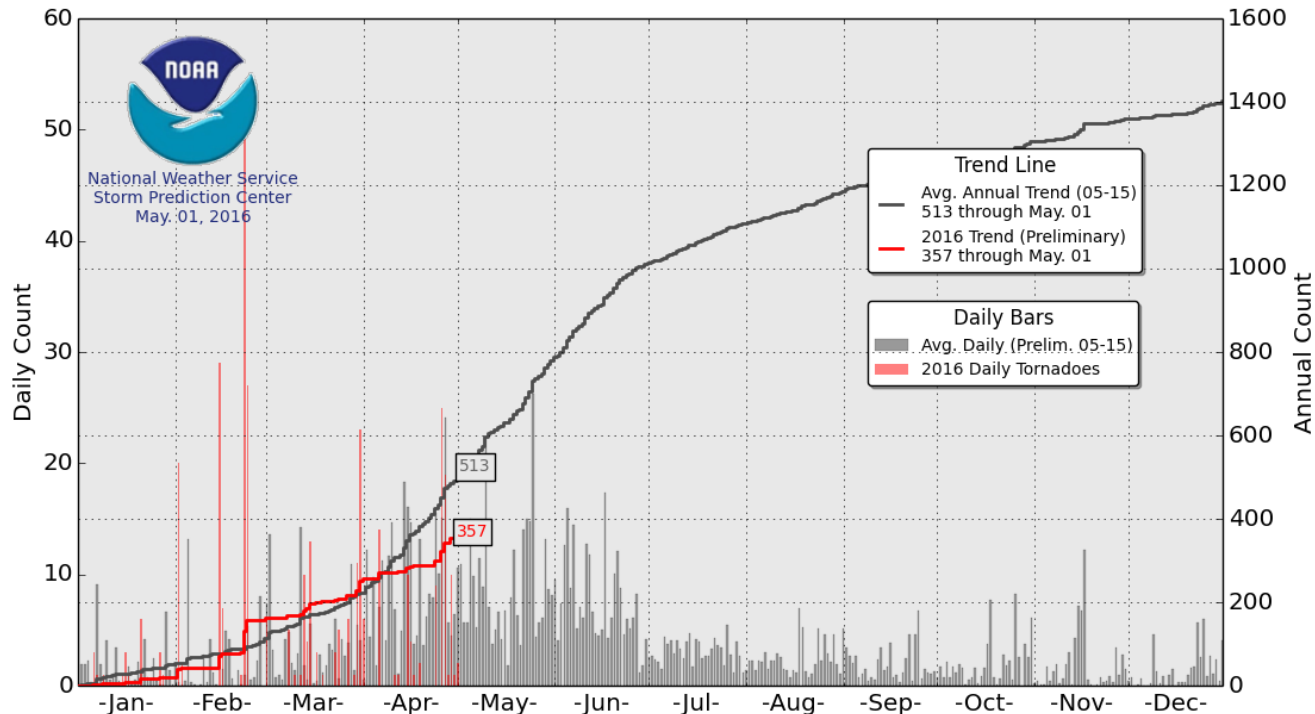
**Declaration Activity:** None

# 2016 Tornado Activity Thus Far



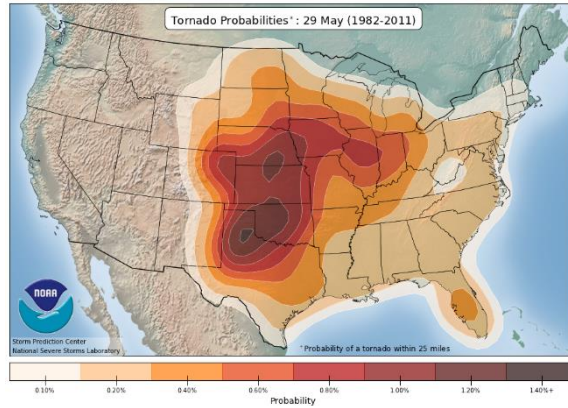
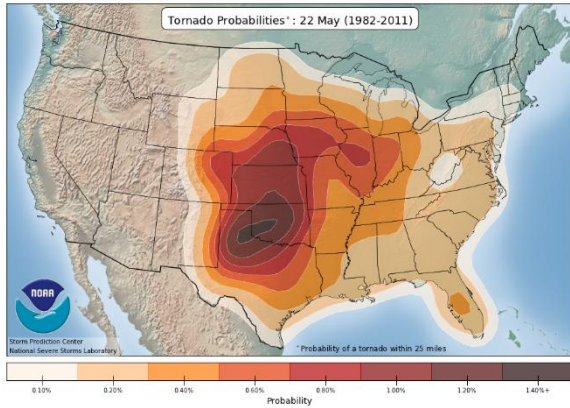
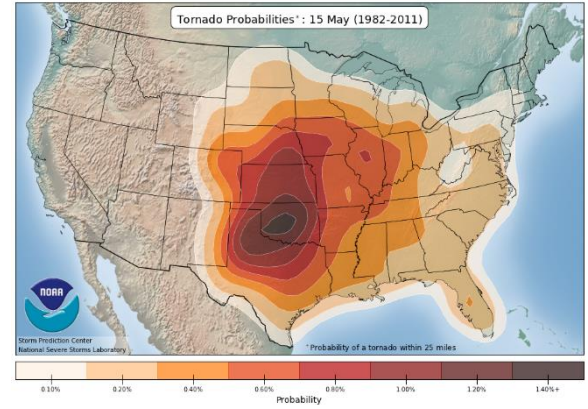
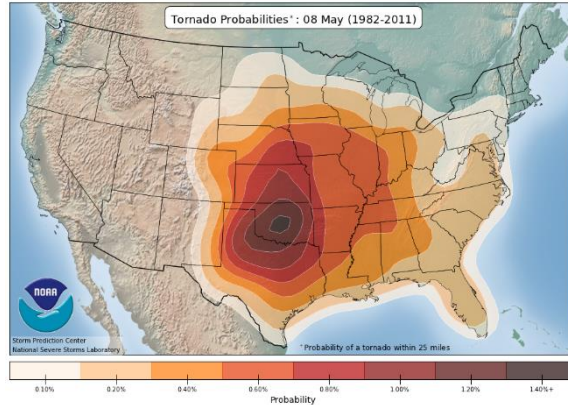
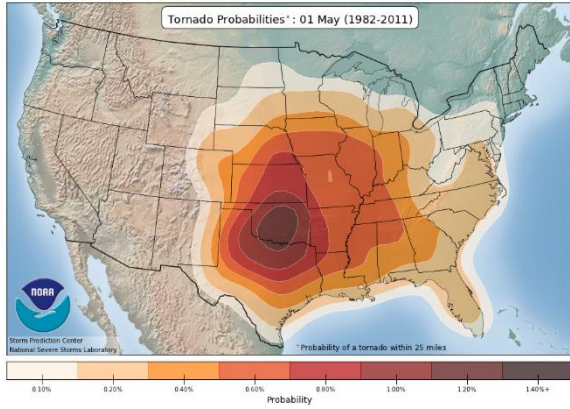
U.S. Tornadoes: Daily Count and Running Annual Trend\*

- Running a bit below average for this time of year
- Average is 513 by May 1
- Currently, 357 thus far
- Doesn't indicate anything about the remainder of the season
- Could see a below average, an above average or a normal year for tornadoes



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

# May Tornado Climatology



- **Historical weekly Tornado Probabilities for May**
- **Probability of a tornado within 25 miles of a point**
- **Starts to shift more northerly as we head into June**

# Severe Weather Quick Facts



### How does the NWS define severe weather?

Severe weather: thunderstorm activity that includes the threat for tornadoes, hail and wind. Significant Severe Weather:

- Tornadoes: EF2 or greater
- Hail: 2" or greater in diameter
- Wind: 75mph or greater

### How does the NWS define a severe thunderstorm?

A severe thunderstorm refers to a thunderstorm producing hail that is at least 1 inch in diameter or larger, and/or wind gusts of 58 mph or greater, and/or a tornado.

### What is the difference between a Watch and a Warning?

- Watch:** severe weather is possible during the next few hours (issued by the Storm Prediction Center)
- Warning:** severe weather has been observed, or is expected within the hour (issued by the local Weather Forecast Office)

Visit <http://www.spc.noaa.gov/faq/> or <http://www.spc.noaa.gov/faq/tornado/> for more information

### Understanding Severe Thunderstorm Risk Categories

THUNDERSTORMS (no label)	1 - MARGINAL (MRGL)	2 - SLIGHT (SLGT)	3 - ENHANCED (ENH)	4 - MODERATE (MDT)	5 - HIGH (HIGH)
No severe* thunderstorms expected	Isolated severe thunderstorms possible	Scattered severe storms possible	Numerous severe storms possible	Widespread severe storms likely	Widespread severe storms expected
Lightning/flooding threats exist with all thunderstorms	Limited in duration and/or coverage and/or intensity	Short-lived and/or not widespread, isolated intense storms possible	More persistent and/or widespread, a few intense	Long-lived, widespread and intense	Long-lived, very widespread and particularly intense
<ul style="list-style-type: none"> <li>• Winds to 40 mph</li> <li>• Small hail</li> </ul>	<ul style="list-style-type: none"> <li>• Winds 40-60 mph</li> <li>• Hail up to 1"</li> <li>• Low tornado risk</li> </ul>	<ul style="list-style-type: none"> <li>• One or two tornadoes</li> <li>• Reports of strong winds/wind damage</li> <li>• Hail ~1" isolated 2"</li> </ul>	<ul style="list-style-type: none"> <li>• A few tornadoes</li> <li>• Several reports of wind damage</li> <li>• Damaging hail, 1" - 2"</li> </ul>	<ul style="list-style-type: none"> <li>• Strong tornadoes</li> <li>• Widespread wind damage</li> <li>• Destructive hail, 2" +</li> </ul>	<ul style="list-style-type: none"> <li>• Tornado outbreak</li> <li>• Disruptive</li> </ul>
<small>* NWS defines a severe thunderstorm as measured wind gusts to at least 58 mph, and/or hail to at least one inch in diameter, and/or a tornado. All thunderstorm categories imply lightning and the potential for flooding. Categories are also tied to the probability of a severe weather event within 25 miles of your location.</small>					

National Weather Service  
www.spc.noaa.gov

Average Annual Number of Tornadoes per State (1985-2014)

U.S. Annual Average (1985-2014): 1141

# Severe Weather Quick Facts



## What is a Particularly Dangerous Situation (PDS) Watch?

- Used in Tornado Watches for rare situations when long-lived intense tornadoes are likely.
- May also accompany Severe Thunderstorm Watches for widespread significant severe events, usually produced by exceptionally intense derechos.
- Issued when the likelihood of significant events is increased by very volatile atmospheric conditions.
- Based on a number of atmospheric parameters, so the decision to issue a PDS watch is subjective with no hard criteria.
- Most often issued when a High Risk is in effect.

## Why do the probability values on the Convective Outlooks seem so low?

- Probability values represent the chance of severe weather within about 25 miles of a point, which is about the size of a major metropolitan area.
- Climatologically speaking, the chance of tornado formation on any random day is very small.
- Put into context, even a 10% chance of a tornado within 25 miles of a point means a much greater than usual risk, and should be taken seriously.

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• Winds to 40 mph • Small hail	• Winds 40-60 mph • Hail up to 1" • Low tornado risk	• One or two tornadoes • Reports of strong winds/wind damage • Hail ~1" isolated 2"	• A few tornadoes • Several reports of wind damage • Damaging hail, 1" - 2"	• Strong tornadoes • Widespread wind damage • Destructive hail, 2" +	• Tornado outbreak • Derechos

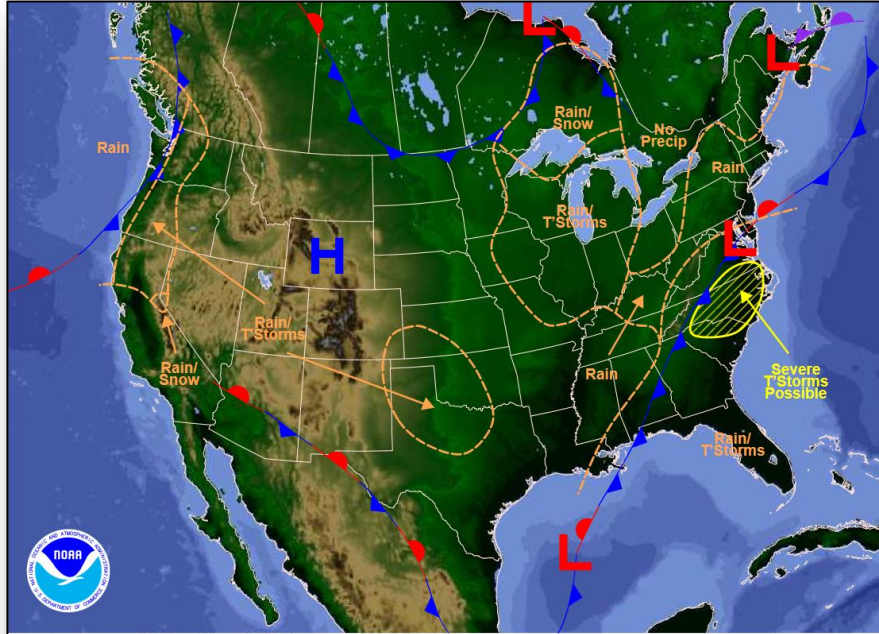
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National Weather Service  
[www.spc.noaa.gov](http://www.spc.noaa.gov)

### Average Annual Number of Tornadoes per State (1985-2014)

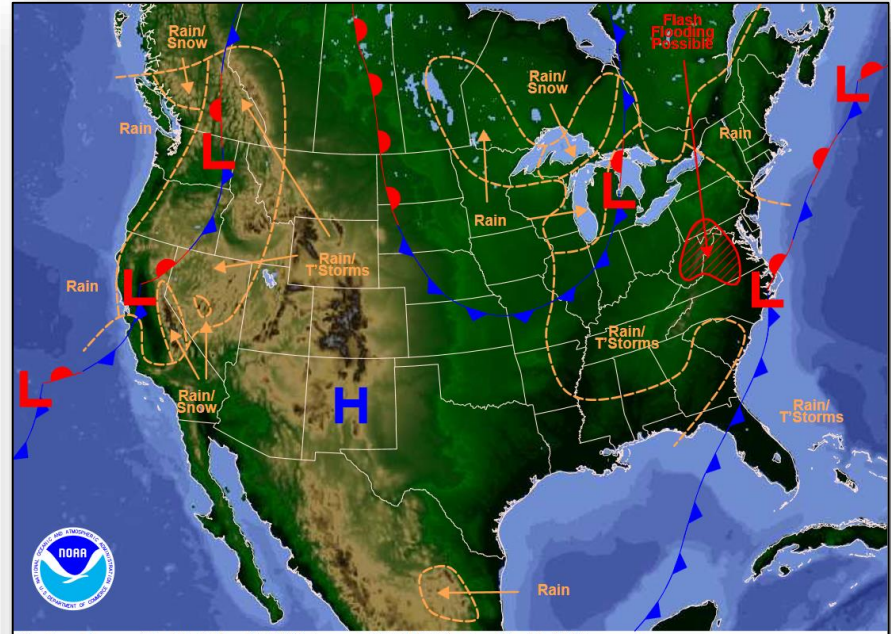
U.S. Annual Average (1985-2014): 1141

# National Weather Forecast



Weather Forecast for Tue, May 03, 2016, issued 4:29 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Today*

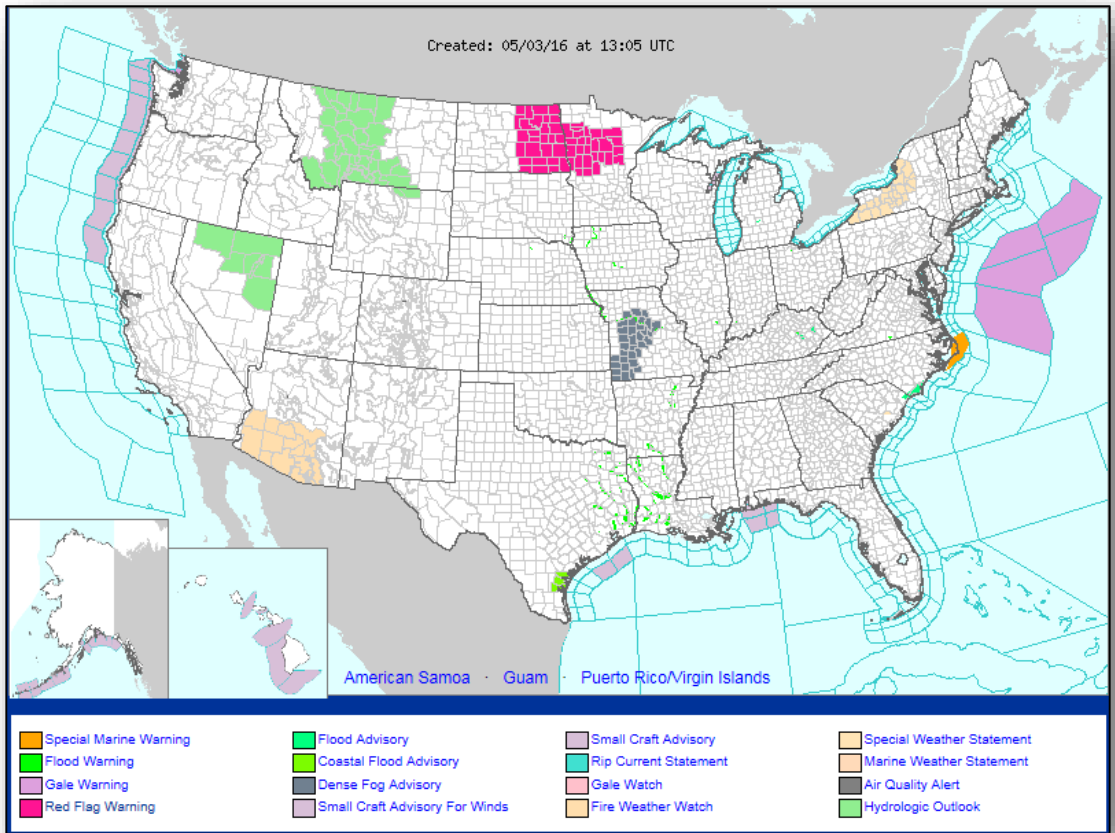


Weather Forecast for Wed, May 04, 2016, issued 4:33 AM EDT Tue, May 03, 2016  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by McCreynolds based on WPC, SPC and NHC forecasts

*Tomorrow*



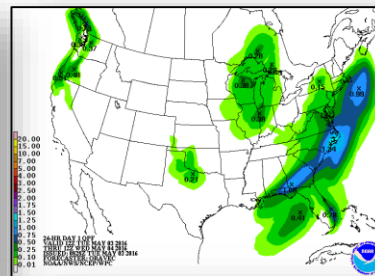
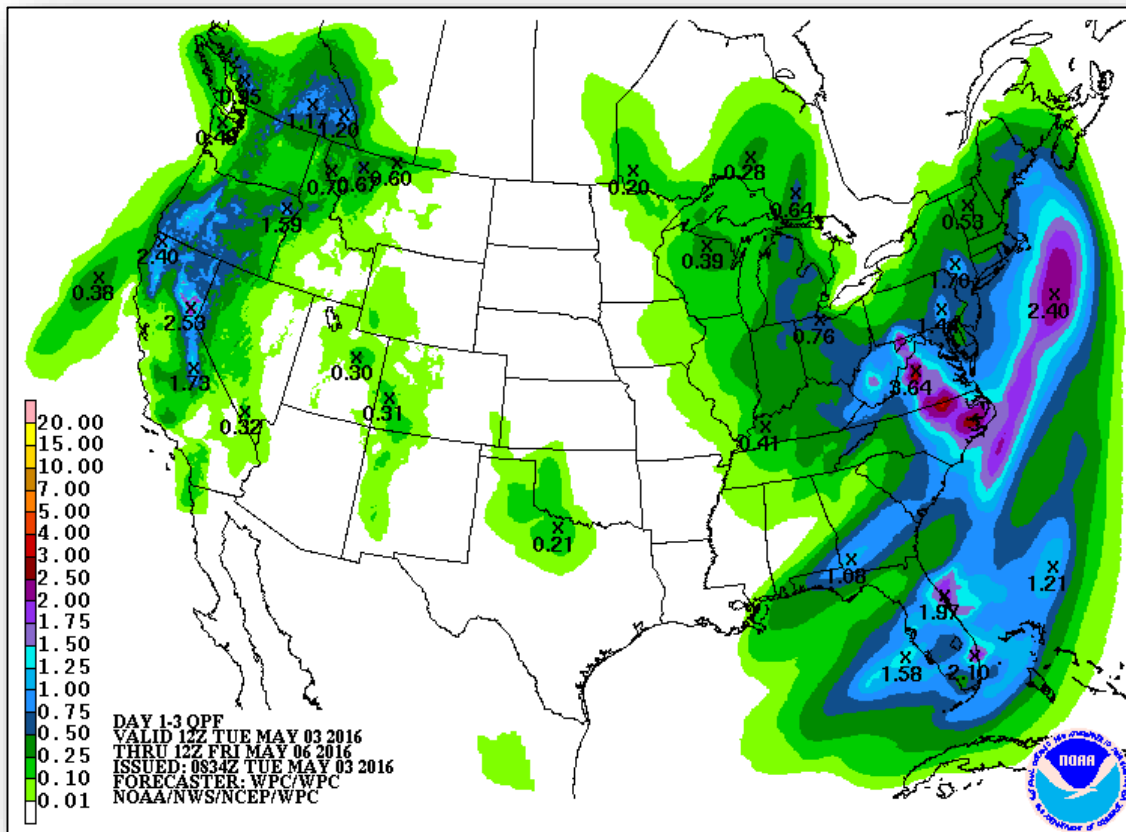
# Active Watches/Warnings



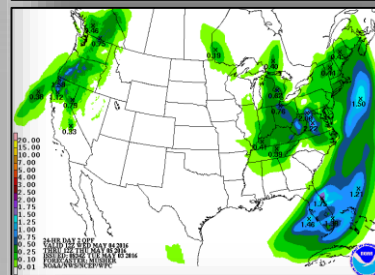
# Precipitation Forecast, 1-3 Day



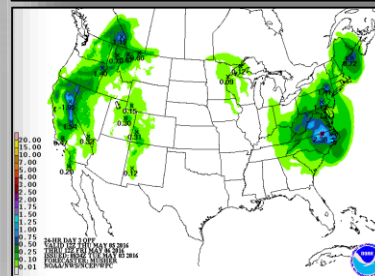
FEMA



Day 1

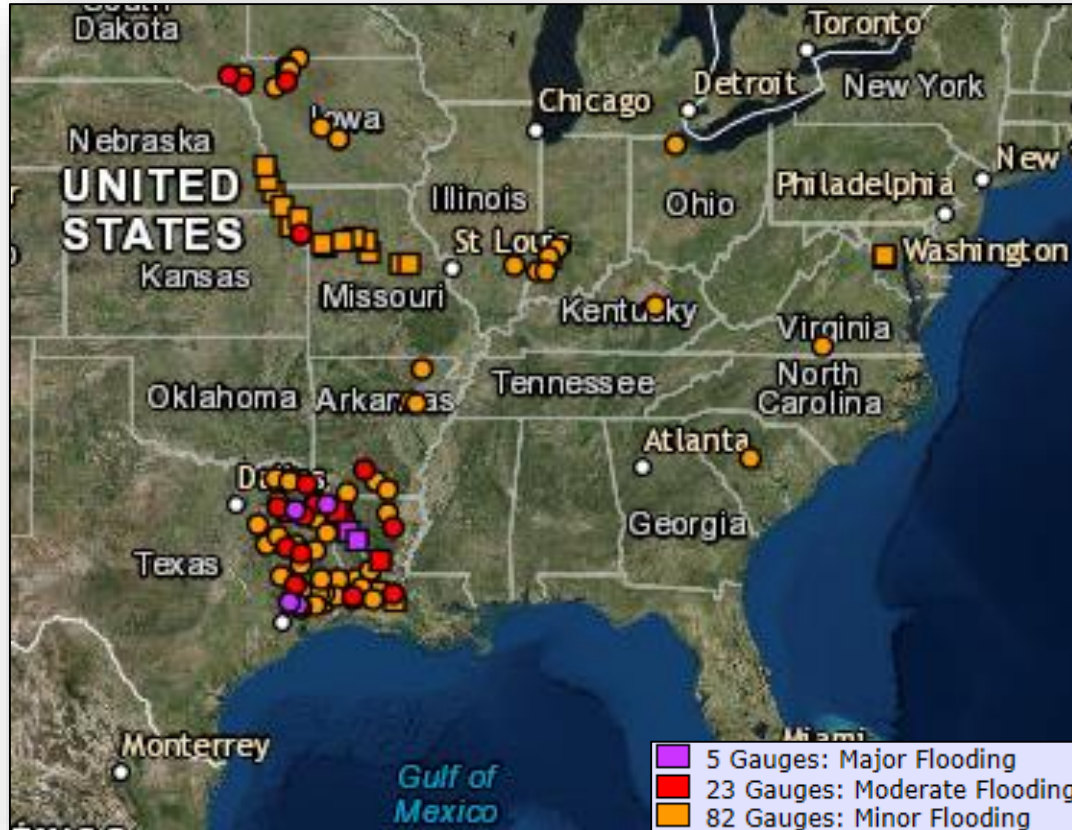


Day 2

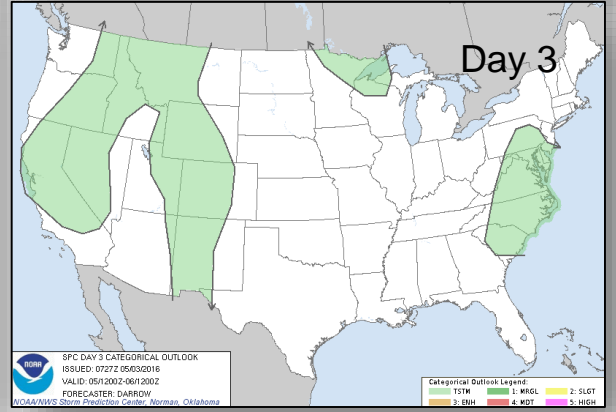
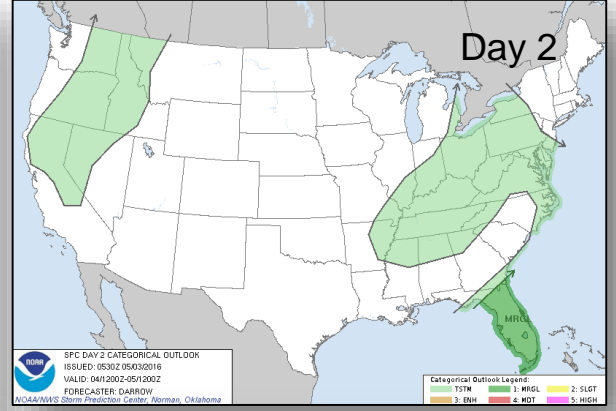
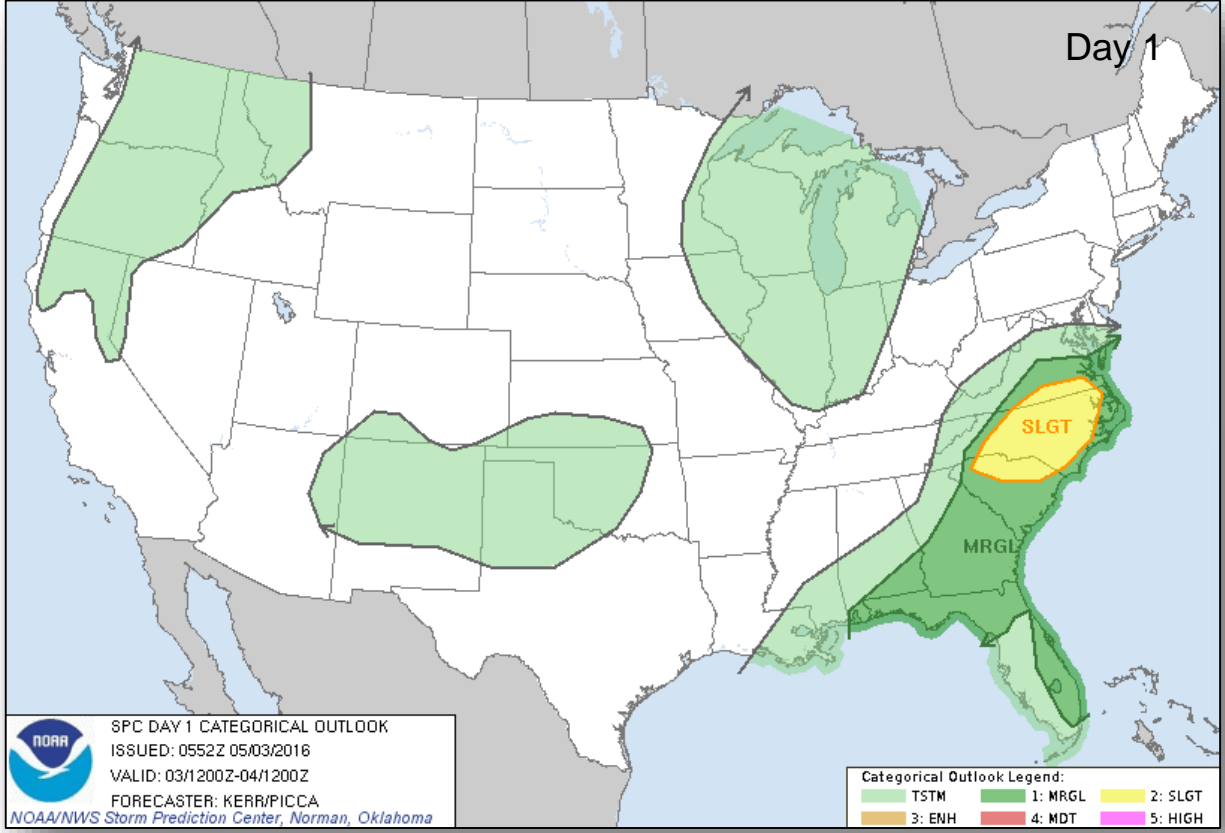


Day 3

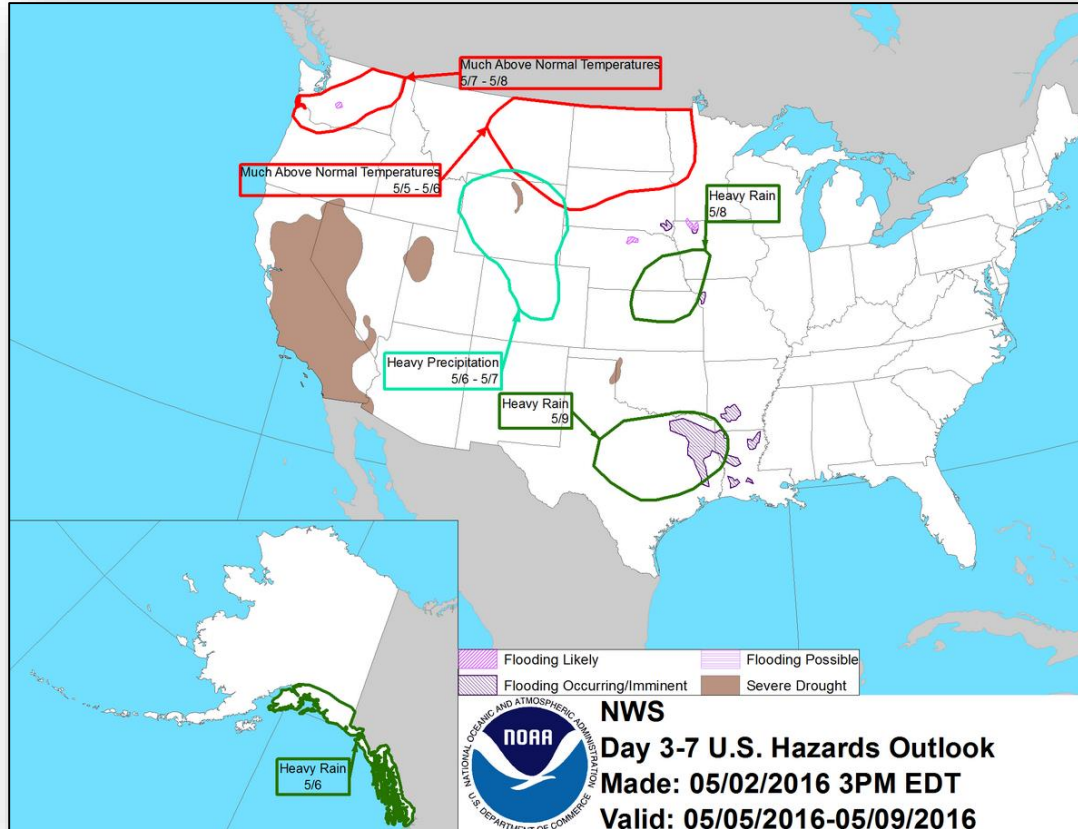
# River Flooding



# Severe Weather Outlook: Days 1-3



# Hazard Outlook May 5-9

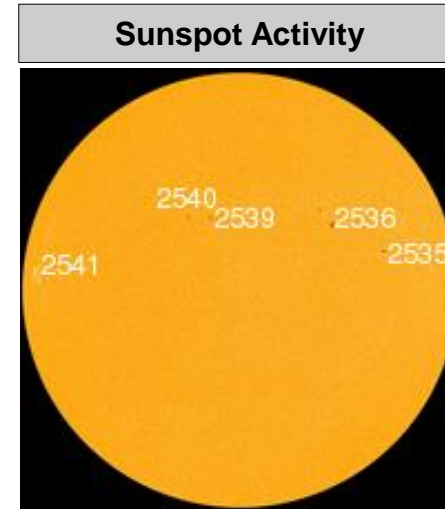
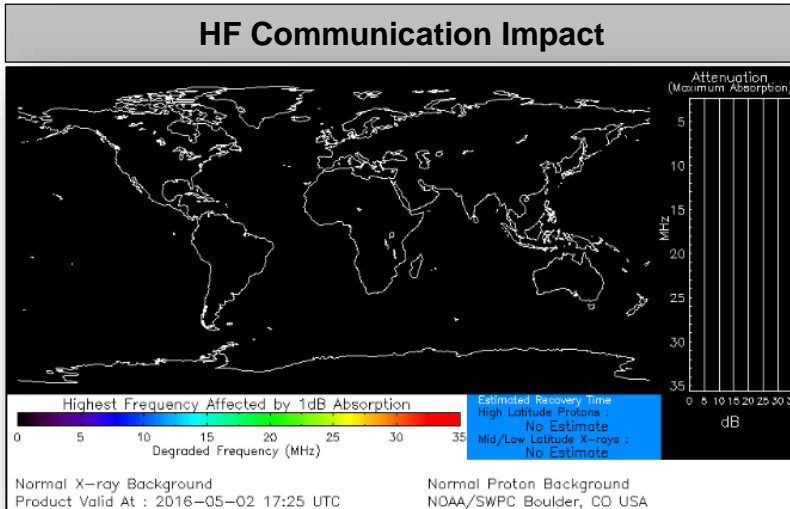


# Space Weather



FEMA

	Past 24 Hours	Current	Next 24 Hours
Space Weather Activity	Minor	None	None
Geomagnetic Storms	G1	None	None
Solar Radiation Storms	None	None	None
Radio Blackouts	None	None	None



# Disaster Amendments



Amendment	Effective Date	Action
Amendment No. 1 to FEMA-4269-DR-TX	May 2, 2016	Adds 4 counties for Individual Assistance

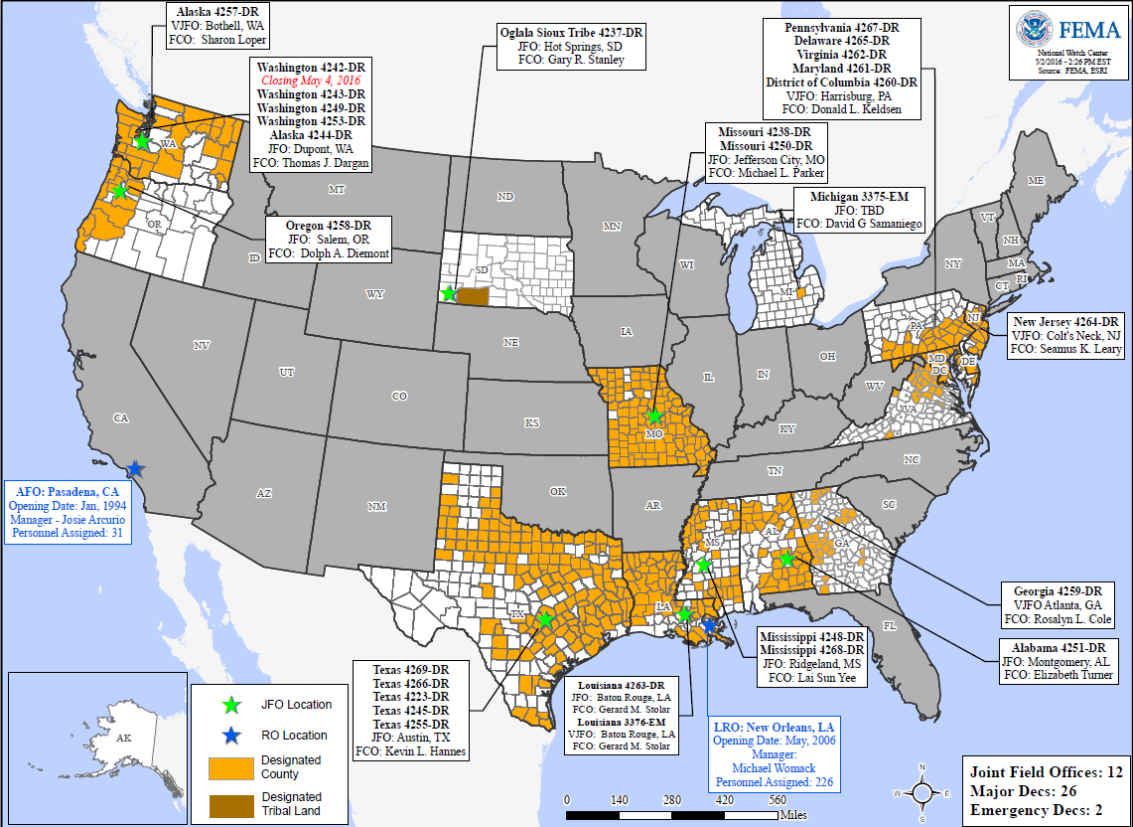
# Disaster Requests & Declarations



Declaration Requests in Process		Requests APPROVED (since last report)	Requests DENIED (since last report)
2	Date Requested	0	0
NM – DR (Appeal) Severe Winter Storm and Snowstorm	April 7, 2016		
AR – DR Severe Storms, Tornadoes, Straight-Line Winds, and Flooding	April 21, 2016		



# Open Field Offices as of May 3, 2016



# Joint Preliminary Damage Assessments



Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
VIII	MT	Severe Winter Storm April 15, 2016	PA	8	0	5/2-TBD

# FEMA Readiness – Deployable Teams/Assets



Deployable Teams/Assets									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Detailed, Deployed, Activated	Comments	Rating Criterion
FCO		33	15	45%	0	1	17		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		9	5	56%	0	0	4		
US&R		27	27	100%	0	0	0		<ul style="list-style-type: none"> <li>• Green = Available/FMC</li> <li>• Yellow = Available/PMC</li> <li>• Red = Out-of-Service</li> <li>• Blue = Assigned/Deployed</li> </ul>
National IMAT		3	2	67%	0	0	1	National IMAT West deployed to PA (VR16 Exercise)	<ul style="list-style-type: none"> <li>• Green: 3 available</li> <li>• Yellow: 1-2 available</li> <li>• Red: 0 avail (<i>Individual N-IMAT red if 50% of Section Chiefs and/or Team Leader is unavailable for deployment.</i>)</li> </ul>
Regional IMAT		13	7	54%	0	1	5	<b>Deployed:</b> RI to LA (4263-LA) RIII to PA (7161-PA (VR16 Exercise); 4260-DC; 4261-MD; 4262-VA; 4265-DE; 4267-PA) RV to MI (3375-MI) RVI Team 1 to TX (4266-TX); Team 2 to LA (4263-LA) <b>Reconstituting (not available):</b> RVIII (reconstituting from LA through May 6)	<ul style="list-style-type: none"> <li>• Green: &gt;6 teams available</li> <li>• Yellow: 4 - 6 teams available</li> <li>• Red: &lt; 4 teams available</li> </ul> <i>R-IMAT also red if TL Ops/Log Chief is unavailable &amp; has no qualified replacement</i>
MERS Teams		18	15	83%	0	0	3	<b>Deployed:</b> Denton: 2 teams to TX Frederick: 1 team to OH (VR16 Exercise)	<ul style="list-style-type: none"> <li>• Green = &gt;66% available</li> <li>• Yellow = 33% to 66% available</li> <li>• Red = &lt;33% available</li> </ul>

# FEMA Readiness – National/Regional Teams



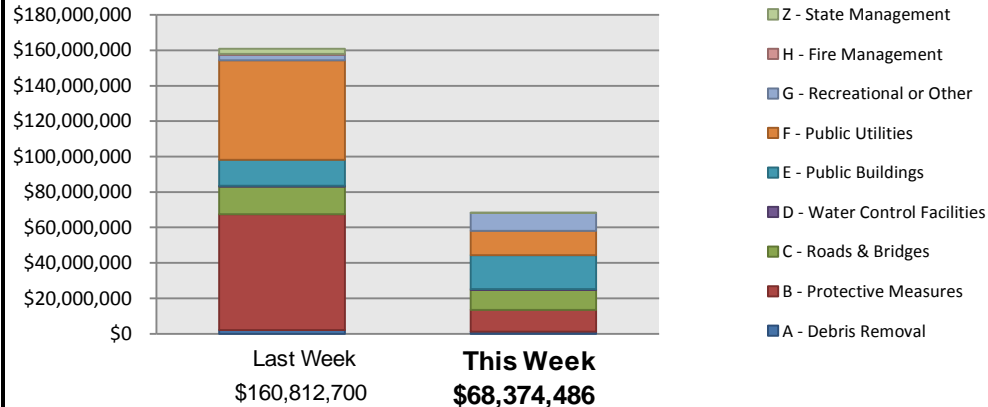
National/Regional Teams									
Resource	Status	Total	FMC Available		Partially Available	Not Available	Status	Comments	Rating Criterion
NWC		5	5	100%	0	0	Not Activated		<ul style="list-style-type: none"> <li>• Green = FMC</li> <li>• Yellow = PMC</li> <li>• Red = NMC</li> </ul>
NRCC		2	344	89%	0	44	Activated	Level 1 Full Activation (VR16 Exercise) – Day Shift Only	
HLT		1	N/A	N/A	0	0	Not Activated		
DEST							Not Activated		
RRCCs		10	10	100%	0	0	Activated	Region III – Level 1 Full Activation (VR16 Exercise) – Day Shift Only	
RWCs/MOCs		10	10	100%	0	0	Not Activated		

# Public Assistance Grant Program



PA Project Worksheets Obligated in past week, as of 05/02/16 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	31	39	117	8	47	73	17	0	14	346
Federal Share Obligated	\$1,148,257	\$12,331,260	\$11,279,273	\$389,221	\$19,282,112	\$13,612,834	\$10,180,340	\$0	\$151,190	\$68,374,486

## Public Assistance Obligated per Category In the Past 2 Weeks – 4/16/2016 through 4/30/2016



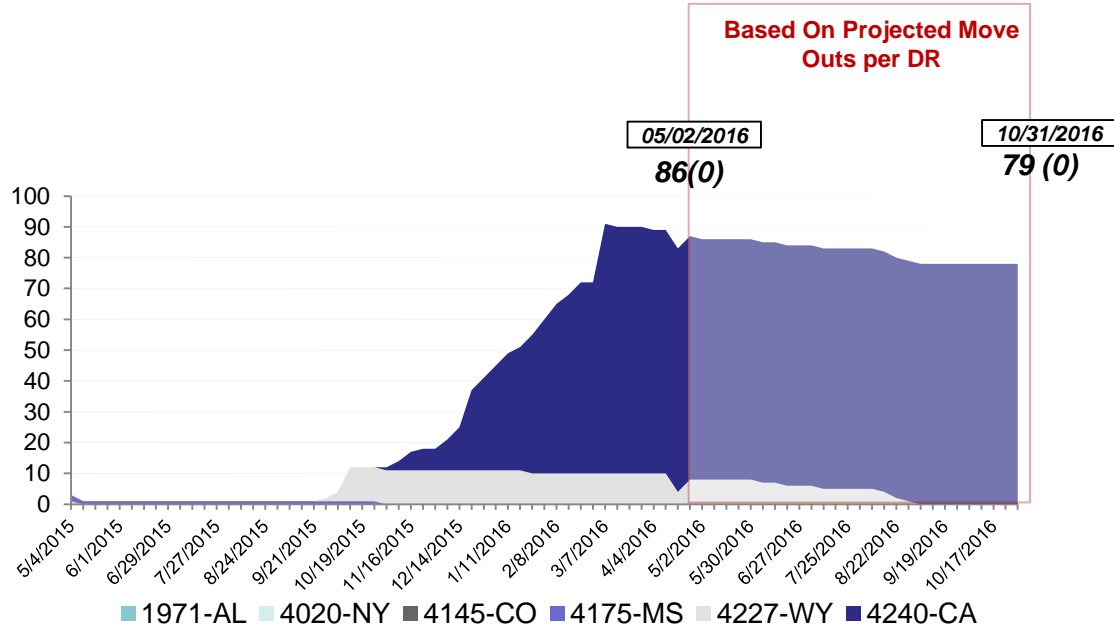
## PA Highlights

- On 4/18 the NEW ORLEANS SEWERAGE & WATER was obligated approximately \$50 millions in PA Category F - Public Utilities as a result of DR- 4085
- On 4/19 the NYU MEDICAL CENTER was obligated approximately \$59 millions in PA Category B - Protective Measures as a result of DR- 1603

# Direct Housing



**Total Households in FEMA Direct Housing per State**  
 Past Year per Week, 5/4/2015 – 5/02/2016, Projected to 10/31/2016  
 There are currently **86** Households Occupying **86** 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	8 (0)
4240-CA	9/22/2015	3/22/2017	78 (0)

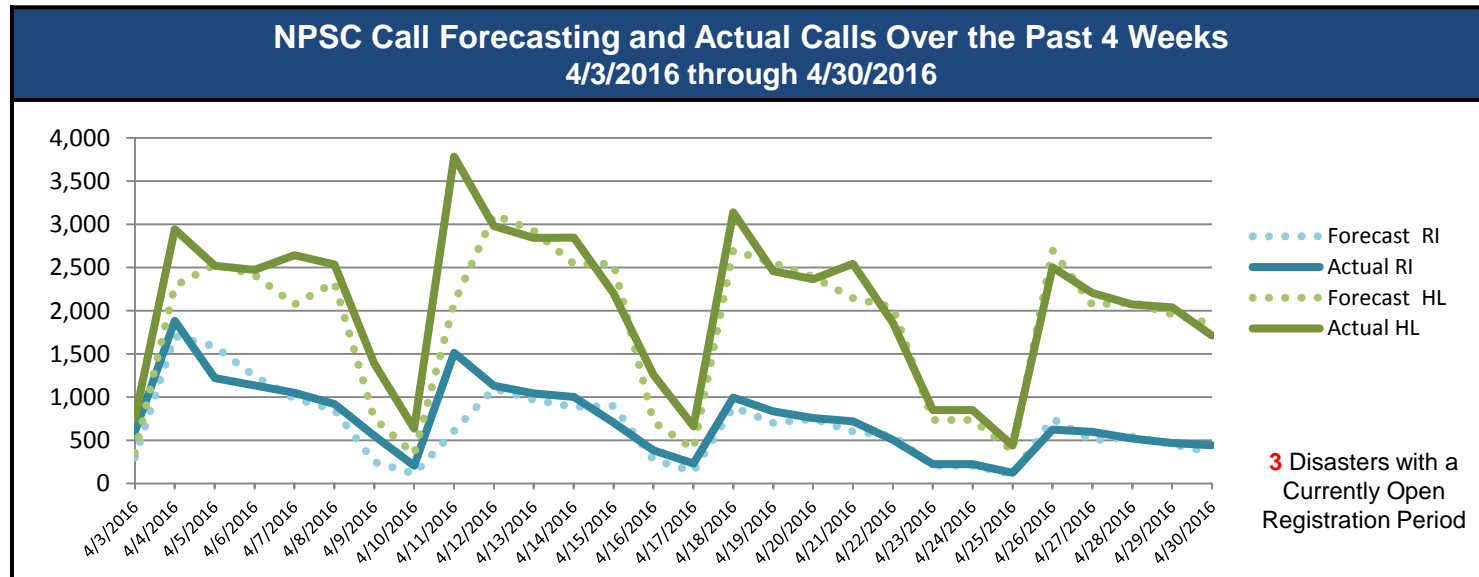


**States with Currently Occupied Units**

# NPSC Activity



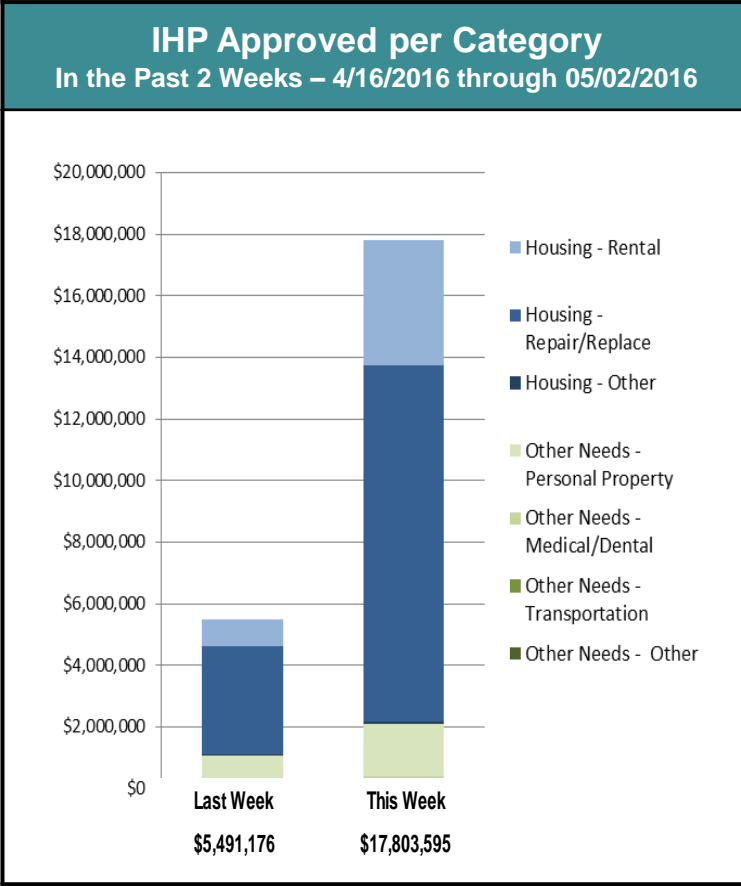
NPSC Call Activity in the Past Week 4/24/2016 through 4/30/2016				
Call Type	Projected Calls	Actual Calls	Average Speed of Answer	Maximum Delay Time
Registration Intake:	2,915	7,095	:20	16:48
Helpline:	11,800	15,862	:17	11:38
<b>Combined:</b>	<b>14,715</b>	<b>22,957</b>	<b>:18</b>	<b>16:48</b>



# Individual Assistance Activity



		Individuals and Households Program Activity As Of: 5/2/16			
		In Past 7 Days		Cumulative	
		Applicants Approved	Amount Approved	Applicants Approved	Amount Approved
		4263-LA Declared 03-13-2016 End Of Reg Period 05-12-2016			
Open Registration Period	Housing Assistance	776	\$2,455,207.71	12,557	\$62,723,783.53
	Other Needs Assistance	331	\$678,945.29	6,928	\$16,666,316.57
	<b>Total IHP</b>	<b>\$3,134,153.00</b>		<b>\$79,390,100.10</b>	
	4266-TX Declared 03-19-2016 End Of Reg Period 05-18-2016				
	Housing Assistance	133	\$711,037.82	1,626	\$16,480,063.68
	Other Needs Assistance	33	\$96,178.19	669	\$2,292,494.92
	<b>Total IHP</b>	<b>\$807,216.01</b>		<b>\$18,772,558.60</b>	
	4268-MS Declared 03-25-2016 End Of Reg Period 05-24-2016				
	Housing Assistance	123	\$467,027.53	1,119	\$5,502,514.70
	Other Needs Assistance	41	\$67,735.64	593	\$1,355,475.52
<b>Total IHP</b>	<b>\$534,763.17</b>		<b>\$6,857,990.22</b>		
4269-TX Declared 04-25-2016 End Of Reg Period 06-24-2016					
Housing Assistance	1,941	\$11,774,106.57	1,941	\$11,774,106.57	
Other Needs Assistance	701	\$1,211,845.55	701	\$1,211,845.55	
<b>Total IHP</b>	<b>\$12,985,952.12</b>		<b>\$12,985,952.12</b>		
Other IHP Active	12 Declarations IHP Programmatically Open - Closed Registration *				
	Housing Assistance	101	\$304,822.20		
	Other Needs Assistance	20	\$36,688.99		
<b>Total IHP</b>	<b>\$341,511.19</b>				
<b>Total IHP Approved in Past Week</b>			<b>\$17,803,595.49</b>		







MAY 1-7, 2016

***The following events will take place in Washington, D.C. to celebrate Public Service Recognition Week:***

- Samuel J. Heyman Service to America Medals Finalists Announcement
  - Tuesday, May 3
- Washington Nationals Government Employee Appreciation
  - Nationals Park, Washington, DC
  - Tuesday, May 24, 7:05 p.m.
- *For more information, go to <http://publicservicerecognitionweek.org/events/>*
  - *Email - [psrw@ourpublicservice.org](mailto:psrw@ourpublicservice.org)*
  - *Phone - call (202) 775-9111*



# 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.**