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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, December 28, 2015**

**8:30 a.m. EST**

# Significant Activity: Dec 24-28



## **Significant Events:**

- Severe weather ranging from blizzard conditions to severe thunderstorms producing numerous tornadoes impacted the Southern Plains and Lower/Middle/Upper Mississippi Valleys

## **Significant Weather:**

- Slight risk of severe thunderstorms – Lower Mississippi/Tennessee Valleys and Southeastern U.S
- Flash flooding possible – Middle/Lower Mississippi/Tennessee/Ohio Valleys and Southern Appalachians
- Freezing rain possible – Southern Plains to Great Lakes
- Heavy snow possible – Central Plains to Great Lakes
- Red Flag Warnings: None; Elevated Fire Weather conditions: None
- Space Weather: Past 24 hours - None; Next 24 hours - none

## **Declaration Activity:**

- Amendment No. 1 to FEMA-4245-DR-TX

# Severe Storms & Flooding – Central U.S



## Situation:

Severe weather ranging from blizzard conditions to severe thunderstorms producing numerous tornadoes impacted the Southern Plains and Lower/Middle/Upper Mississippi Valleys

- NWS/SPC received preliminary reports of 13 tornadoes (9 in TX, 1 in OK, and 3 in AR)
- Over 1,700 flights cancelled and 9,928 flights delayed nationally (*Flight Aware 10pm Dec 27 EST*)

## Impacts:

### Texas (Severe Weather):

- NOAA confirmed an EF-4 tornado hit near Garland
- Power outages: 21k customer outages (*as of 7:30am EST*)\*
- Damages: 100 residential structures/ 2 houses of worship in Dallas Co/ 30 homes in Ellis County

### Oklahoma (Severe Weather):

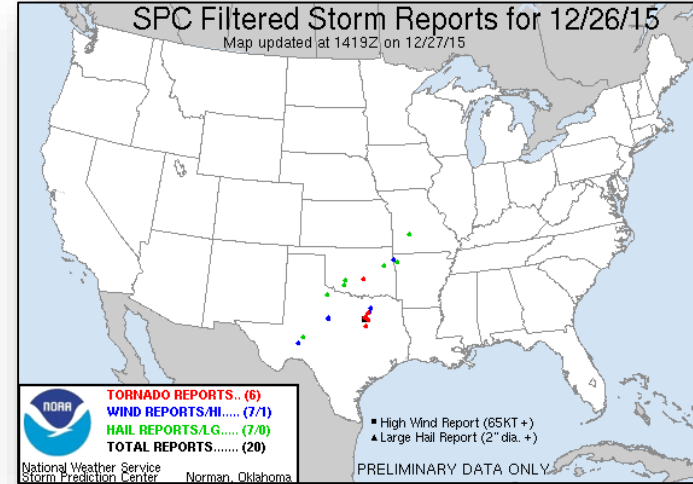
- Several hospitals and nursing homes are operating on generator power
- Power outages: 89k customer outages (peak 89k) (*as of 7:30am EST*)\*

### New Mexico (Severe Winter Weather):

- All lanes of I-40 are closed in both directions from TX border to I-25 in Albuquerque (220mi)
- Las Cruces received more than 12" of snow; I-10 and several major roads closed due to hazards
- Power outage: 3k customer outages (peak 16k) (*as of 7:30a.m. EST*)\*

### Missouri (Flooding):

- Evacuations underway in the town of Morrison, Gasconade County, MO (pop 139)
- A senior housing center was evacuated in Sarcoxie (Jasper Co., MO) due to water rising
- Several State Hwys closed due to flooding
- Power outages: 3k customer outages (peak 34k) (*as of 7:30am EST*)\*



## Storm Related Fatalities:

TX: 11 total (8 confirmed, 3 unconfirmed) – Tornadoes  
IL: 5 unconfirmed – Flash Flooding (traffic)  
MO: 6 unconfirmed – Flash Flooding (traffic)  
AL: 1 unconfirmed – Severe Storm

\*Customer outage data is provided by the Department of Energy's EAGLE-I system. Comprehensive National coverage of all electrical service providers is not available.

# Severe Storms & Flooding – Response



## States:

### Texas

- Governor declared State of Emergency (Dec 25)
- SEOC activate to Level III (Partial Activation)
- Texas US&R TF-1 (Type 1) activated by the State, deployed to Rowlett, TX;
- Texas US&R TF-2 (non FEMA US&R system) activated and staging in Dallas
- Dallas Fire & Rescue US&R resources working in Rowlett, TX area
- Arlington Fire Department US&R resources working in Garland, TX area
- 7 shelters open w/631 occupants *(ARC Midnight Shelter Report as of 6:30am EST)*

### New Mexico

- Governor declared State of Emergency due to heavy snow
- SEOC activated to Level II (Partial Activation); National Guard are on alert
- 8 shelters open w/502 occupants *(ARC Midnight Shelter Report as of 6:30am EST)*

### Oklahoma

- SEOC activated to Level II
- 1 shelter open with no occupants *(ARC Midnight Shelter Report as of 6:30am EST)*

### Missouri

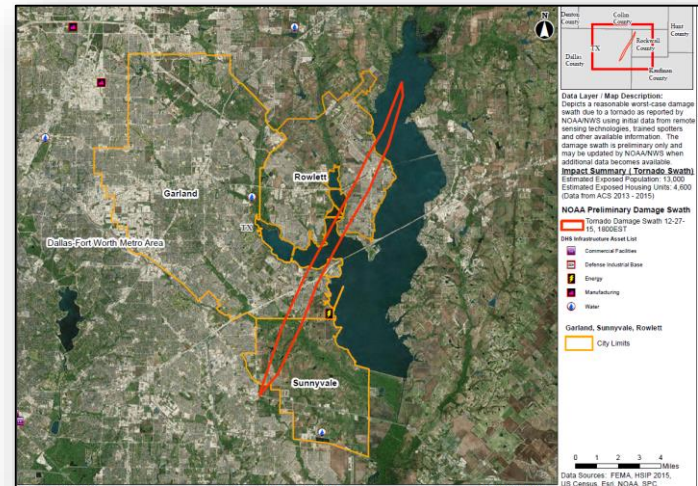
- Governor declared a State of Emergency due to heavy snow Dec 27
- SEOC activated to Level I
- 5 shelters open w/53 occupants *(ARC Midnight Shelter Report as of 6:30am EST)*

### Illinois

- SEOC will activate to (Partial Activation) on Dec 28 at 10a.m. for potential flooding
- 1 shelter open w/28 occupants *(ARC Midnight Shelter Report as of 6:30am EST)*

## Federal:

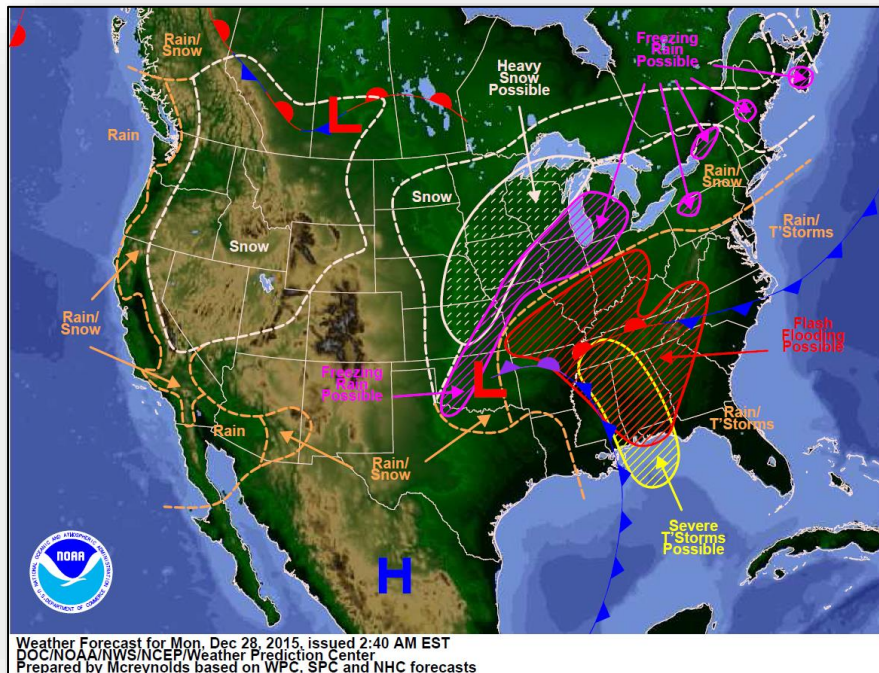
- Region VI RRCC activated to Level III (Dayshift) / RWC - Enhanced Watch (Night Shift)
- FEMA Regions III, IV, V, & VII remain at Watch/Steady State
- Currently no requests for FEMA assistance/unmet needs



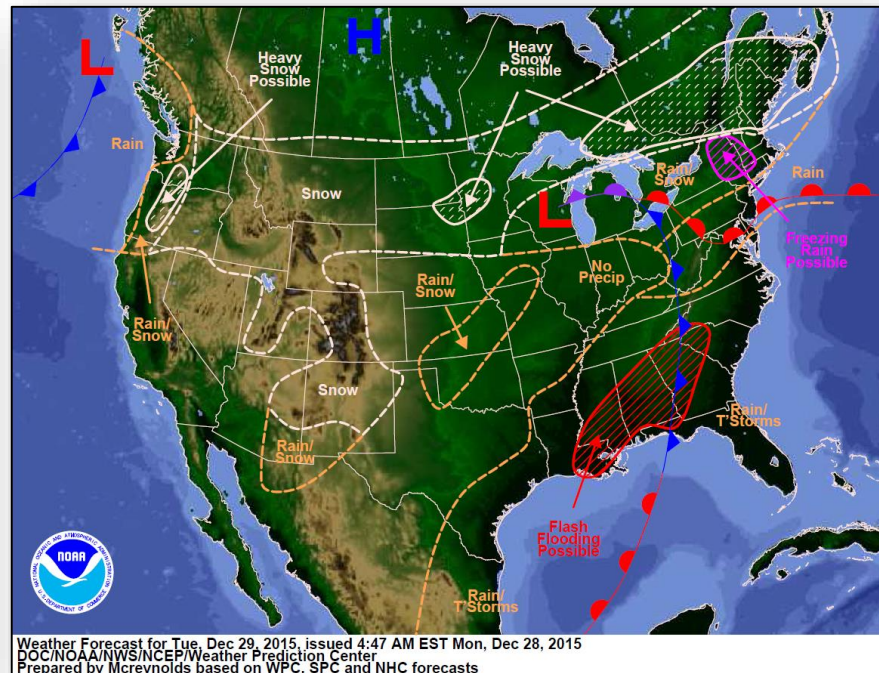
EF-4 Tornado Track / Impact Map



# National Weather Forecast

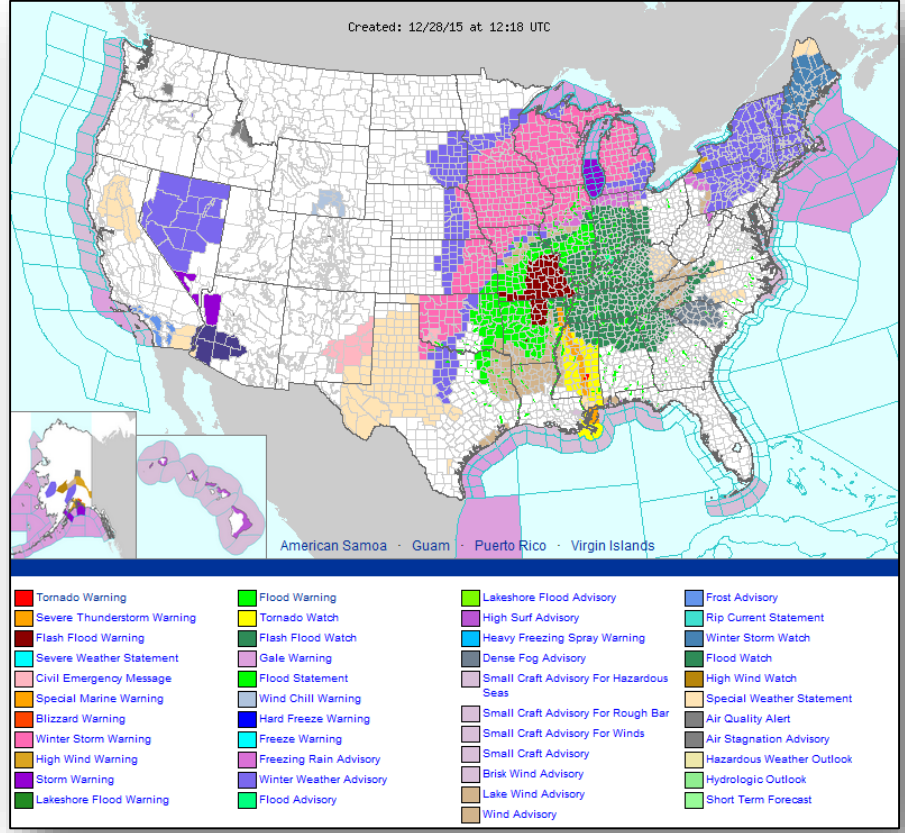


*Today*

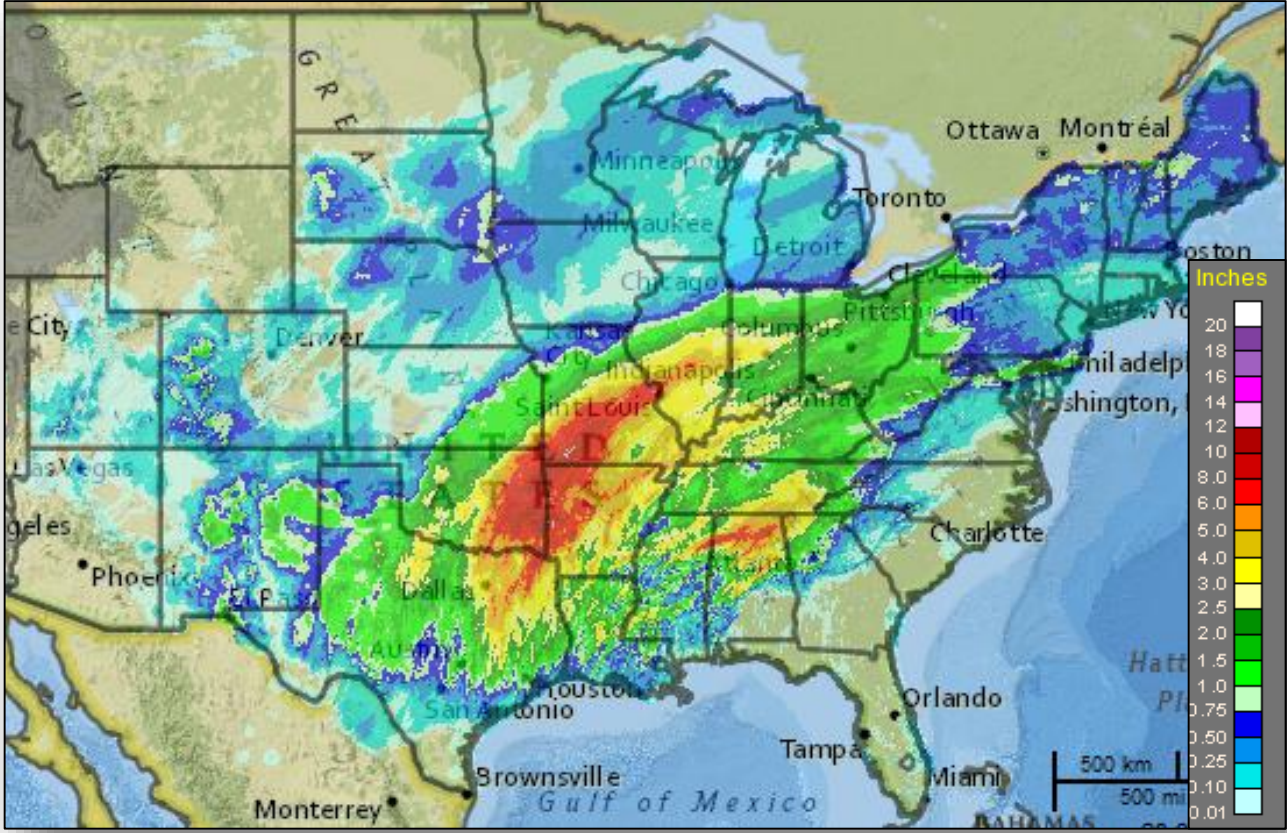


*Tomorrow*

# Active Watches/Warnings



# Observed Rainfall – Last 3-Days

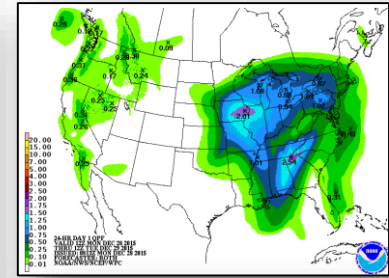
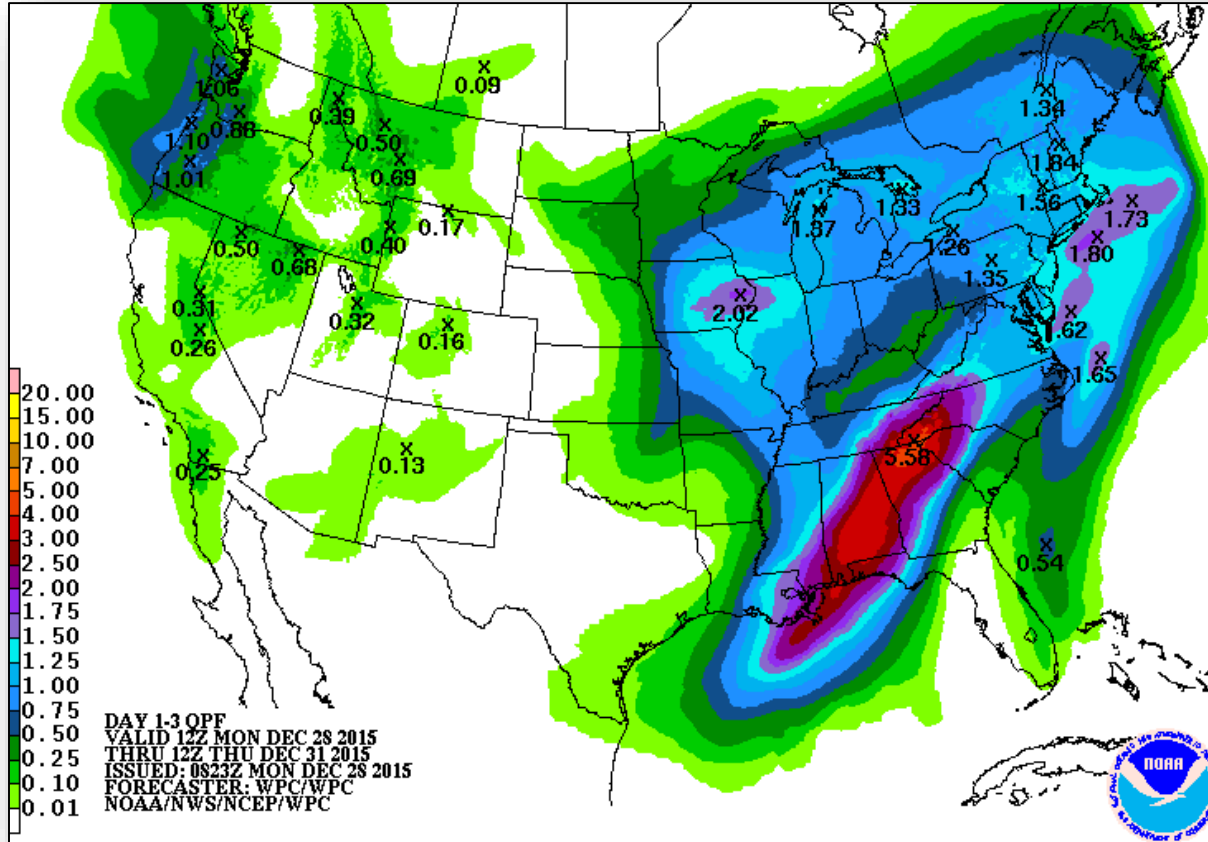




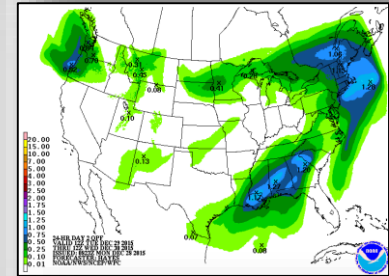
# Precipitation Forecast, 1-3 Day



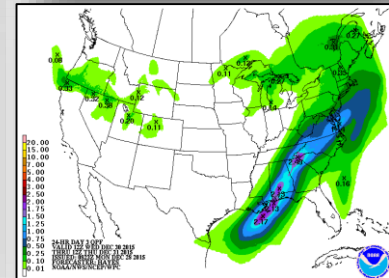
FEMA



Day 1

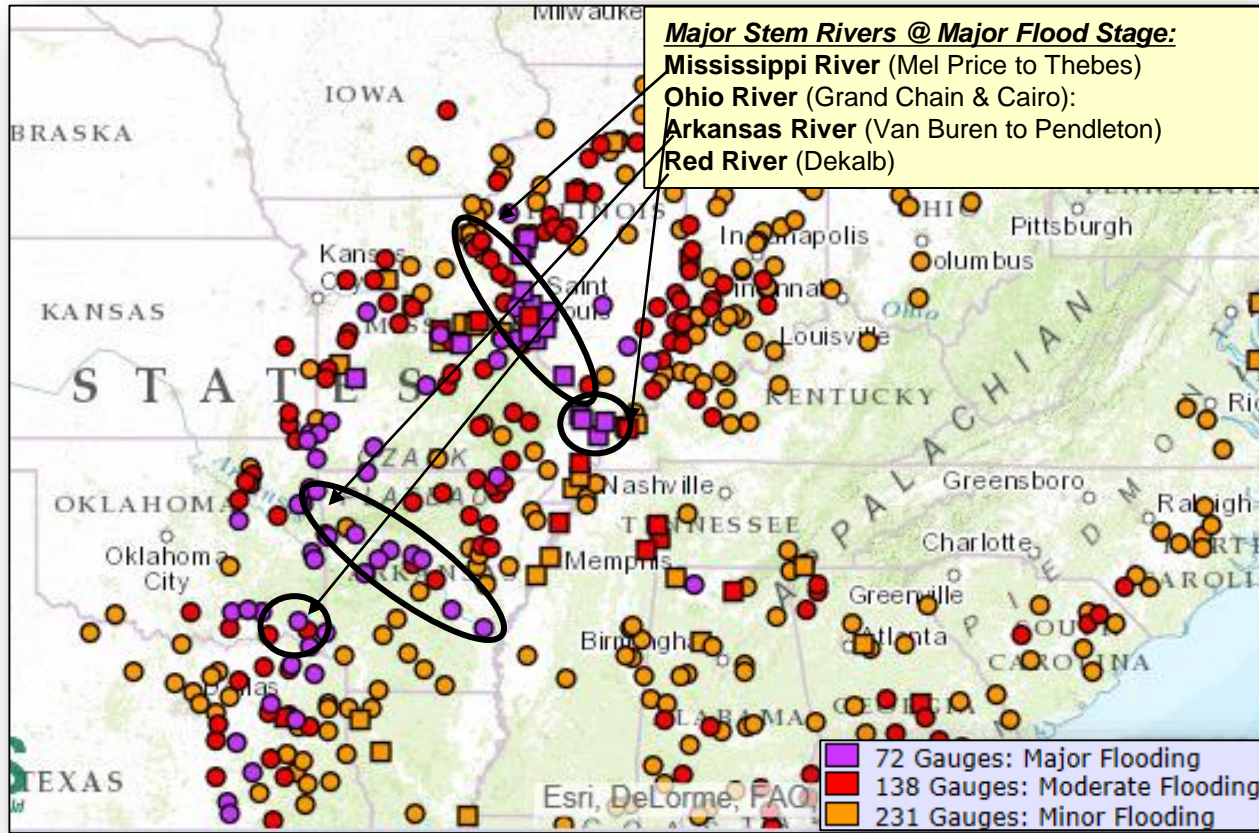


Day 2

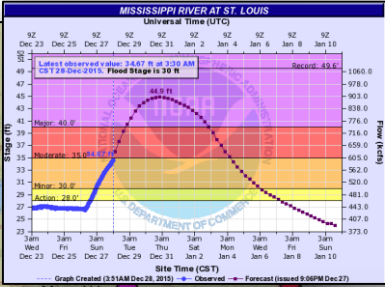
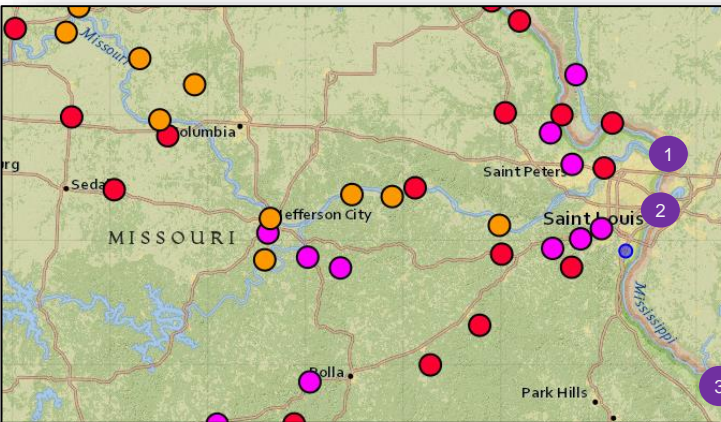


Day 3

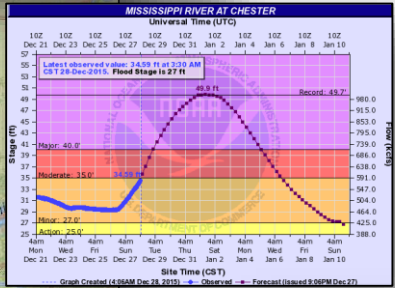
# River Flood Forecast – National



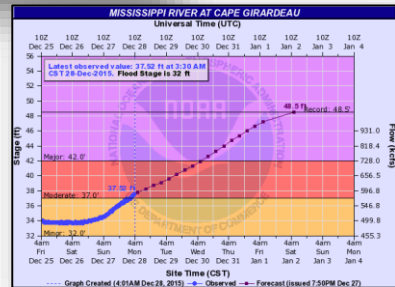
# Mississippi & Ohio Rivers



2  
Peak Dec 30

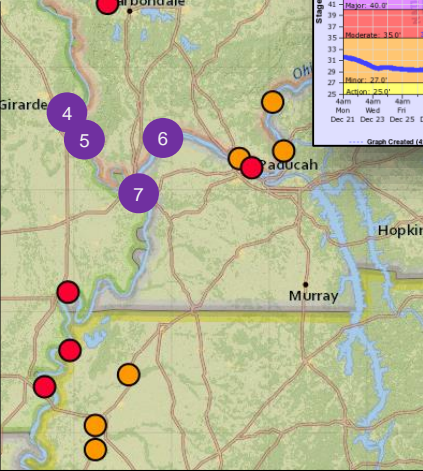


3  
Peak Jan 1



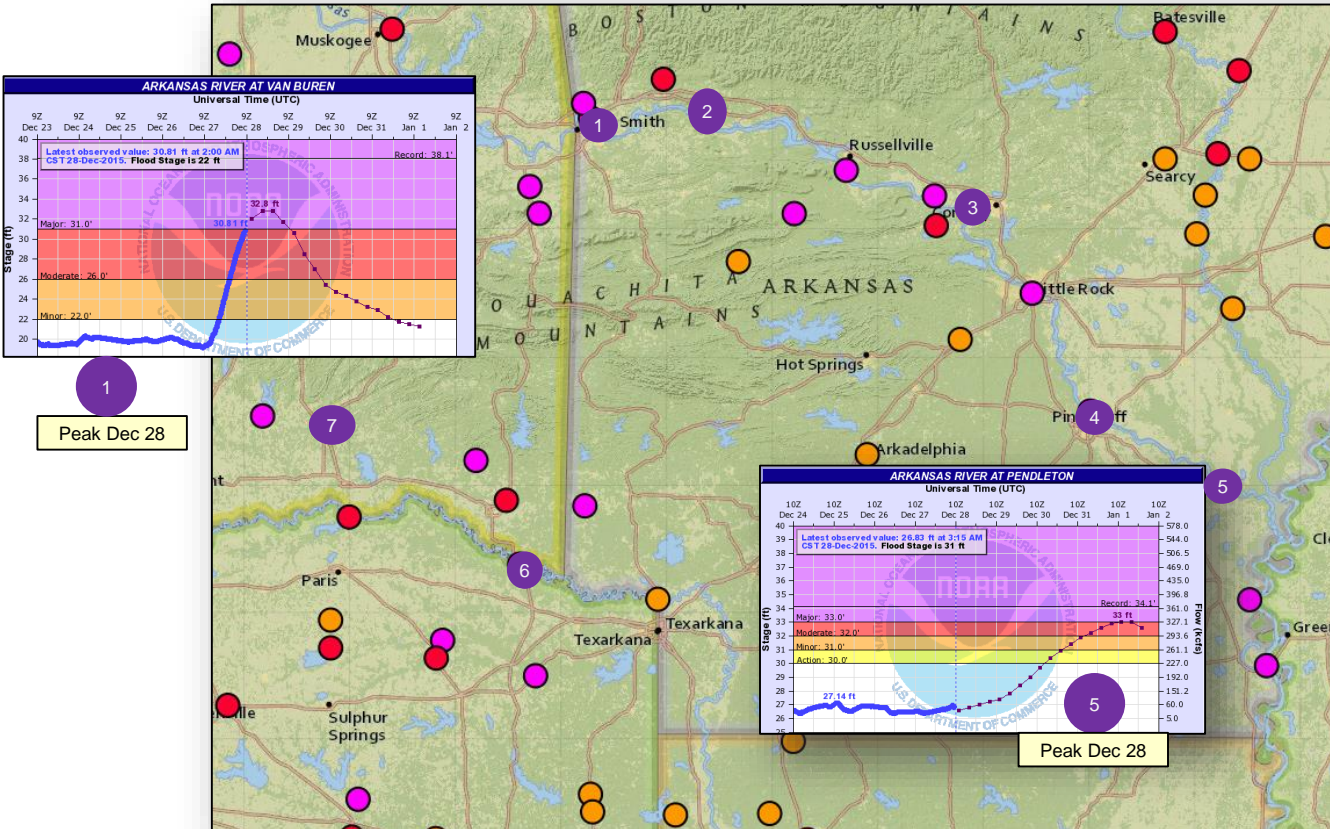
4  
Peak Jan 2

- Mississippi River:**
- 1. Mel Price Gauge Near Alton, IL – Peak: 35.5' (Record 42.7)**
    - At peak, riverfront businesses flood & lock/dam navigation closed
  - 2. St Louis Gauge – Peak 43.9' (Record 49.6)**
    - At peak, 5-floodgates installed by USACE; Hwy 61/67 begins flooding
  - 3. Chester Gauge – Peak 49.8' (Record 49.7)**
    - Levees begin to overtop; railroad tracks & Baldwin Water Treatment Plant are flooded. Hwy 155 & Hwy 51 are closed
  - 4. Cape Girardeau Gauge – Peak TBD (Record 48.5)**
    - Several homes and structures in Cape Girardeau County become inundated or cut off due to backwater flooding
  - 5. Thebes Gauge – Peak projected to reach near record levels of 45.9**
    - Towns of Thebe and Gale begin to flood. Approx. pop. 500
- Ohio River:**
- 6. Grand Chain Gauge – Peak: 57.5' (Record 64)**
    - At peak, riverfront businesses flood & lock/dam navigation closed
  - 7. Cairo Gauge – Peak: 57' (Record 61.7)**
    - At peak, riverfront businesses flood & lock/dam navigation closed
    - Mississippi and Ohio River converge at this point





# Arkansas, Red & Kiamichi Rivers

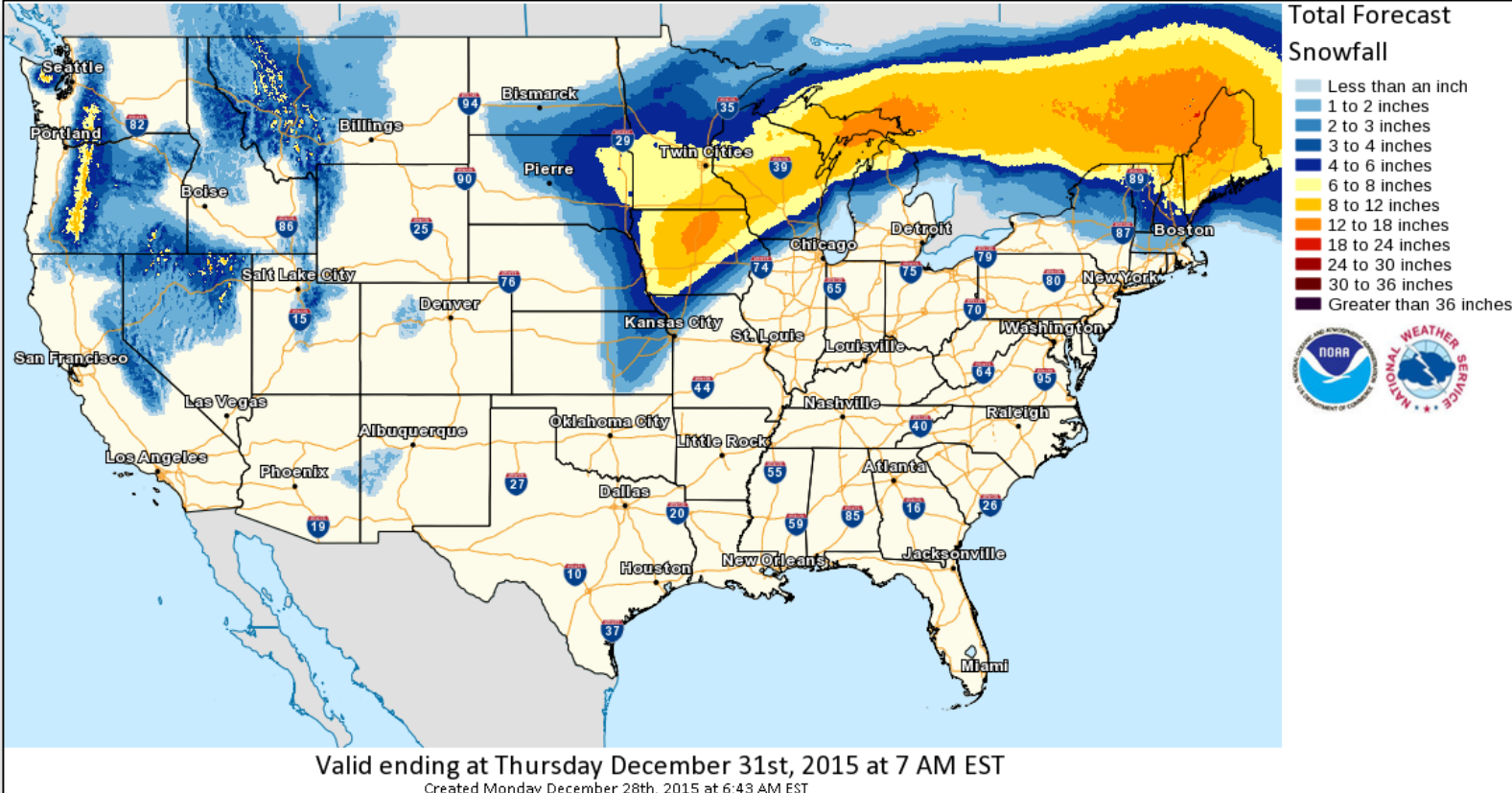


1 Peak Dec 28

5 Peak Dec 28

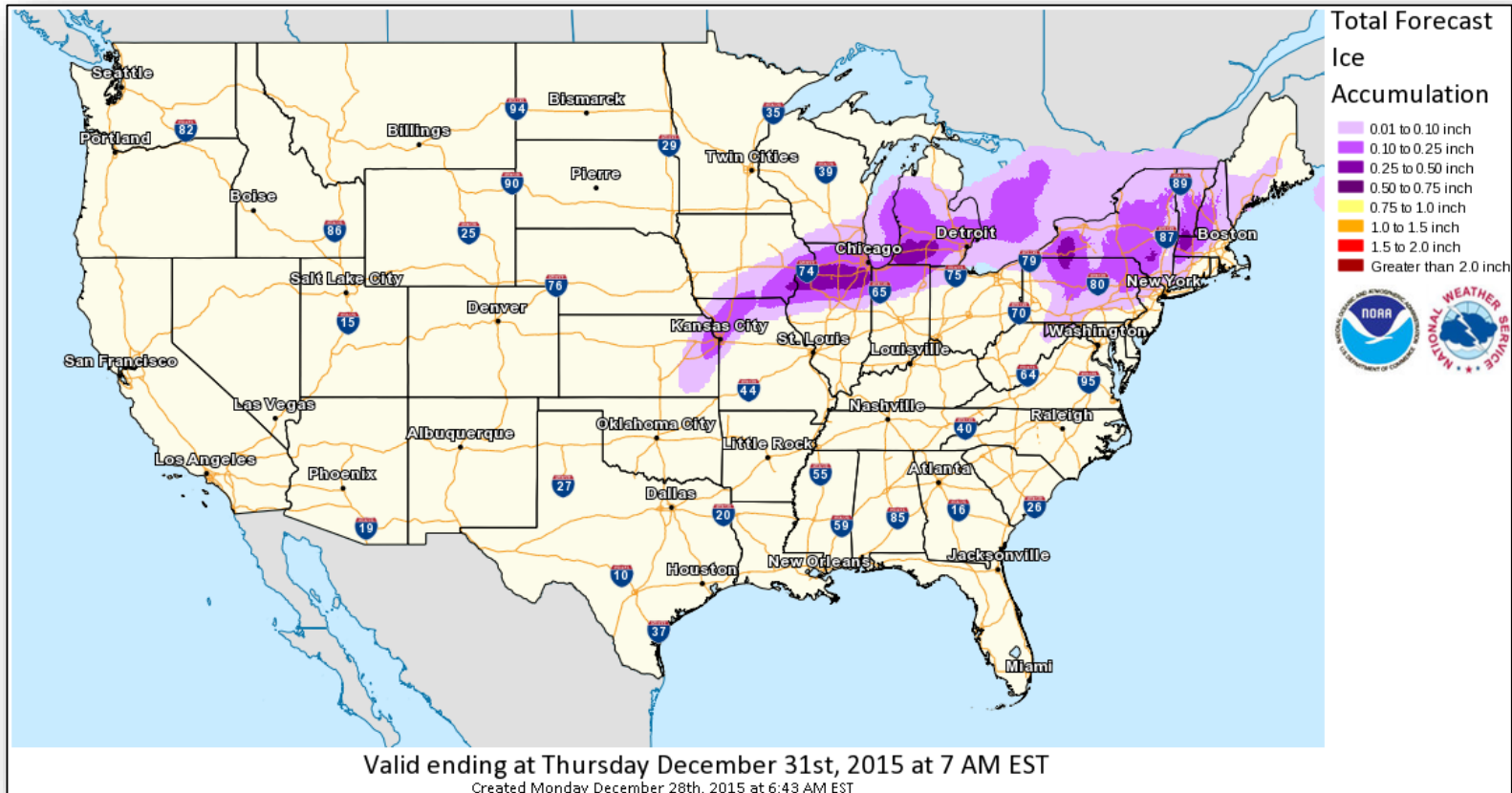
- Arkansas River:**
- 1. Van Buren Gauge – Peak: 32.1' (Record 38.1)**
    - Extensive flooding occurs to industrial businesses in the floodplain around Fort Smith. Some residential subdivisions in the floodplain around Fort Smith begin to flood.
  - 2. Dardanelle near Russellville – Peak 42' (Record 44.1)**
    - Several Highways and county roads closed
  - 3. Toad Suck near Conway – Peak 280' (Record 282.9)**
    - Near record levels may cause backwater flooding to subdivisions in Conway, AR
  - 4. Pine Bluff – Peak 46.1 (Record 52.1)**
    - Kelly Island & Island Harbor residence main road impassible. Several homes flooded along the river
  - 5. Pendleton – Peak 33.1 (Record 34.1)**
    - Backwater up Moore/Cypress Bayou floods extensive acreage. State Hwy 144 may be closed
- Red River:**
- 6. Dekalb – Peak: 57.5' (Record 64)**
    - Thousands of acres of agricultural land flooded along with road closures near the river
  - 7. Kiamichi River near Antlers, Tx– Peak: 57' (Record 61.7)**
    - Numerous structures become flooded along the west bank of Kiamichi River near Moyers. City of Antlers may see backwater flooding that could close roads and impact homes

# Snowfall Forecast

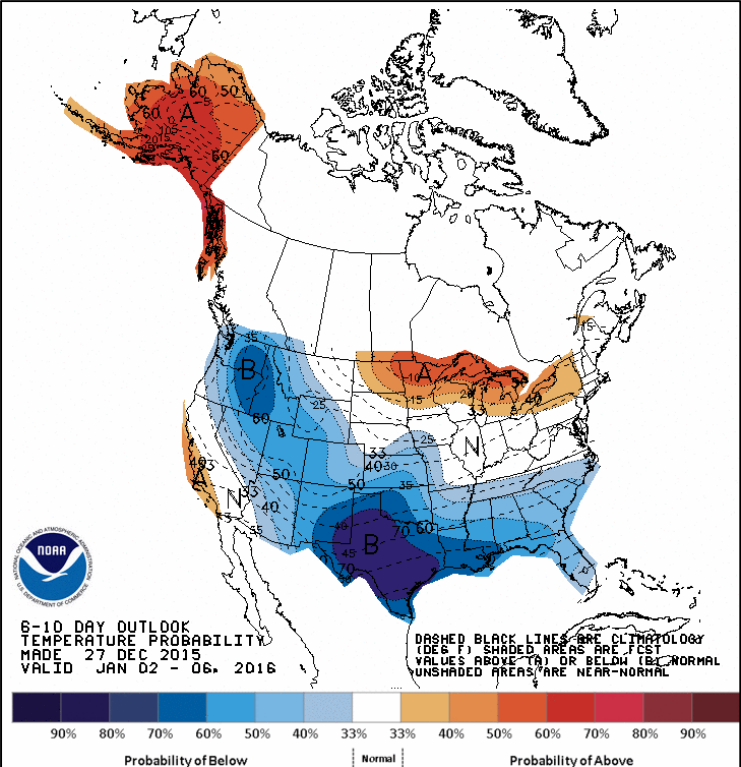




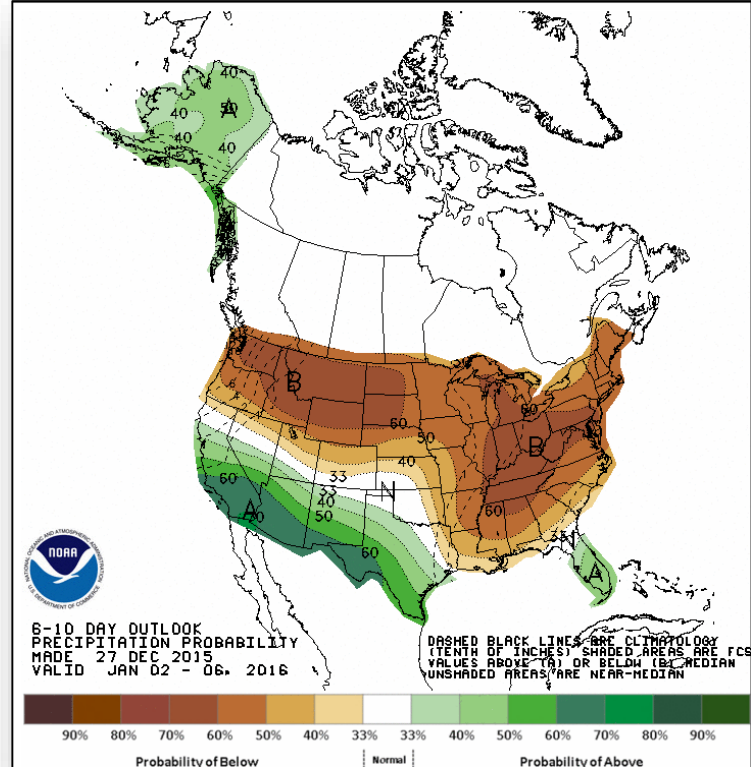
# Ice Forecast



# 6-10 Day Outlooks



**Temperature Probability**

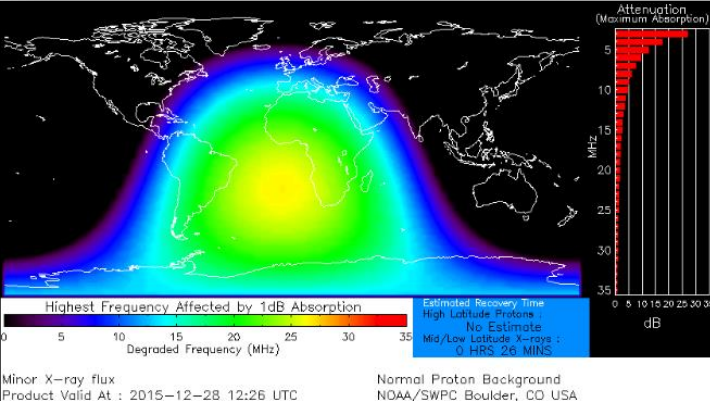


**Precipitation Probability**

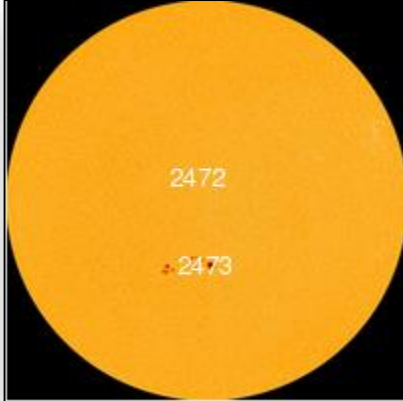
# Space Weather

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

## HF Communication Impact



## Sunspot Activity



# Disaster Requests & Declarations



<b>Declaration Requests in Process</b>		<b>Requests APPROVED (since last report)</b>	<b>Requests DENIED (since last report)</b>
<b>1</b>	<b>Date Requested</b>	<b>0</b>	<b>0</b>
<b>OK – DR Severe Winter Storms and Flooding</b>	<b>December 17, 2015</b>		

# Disaster Amendments



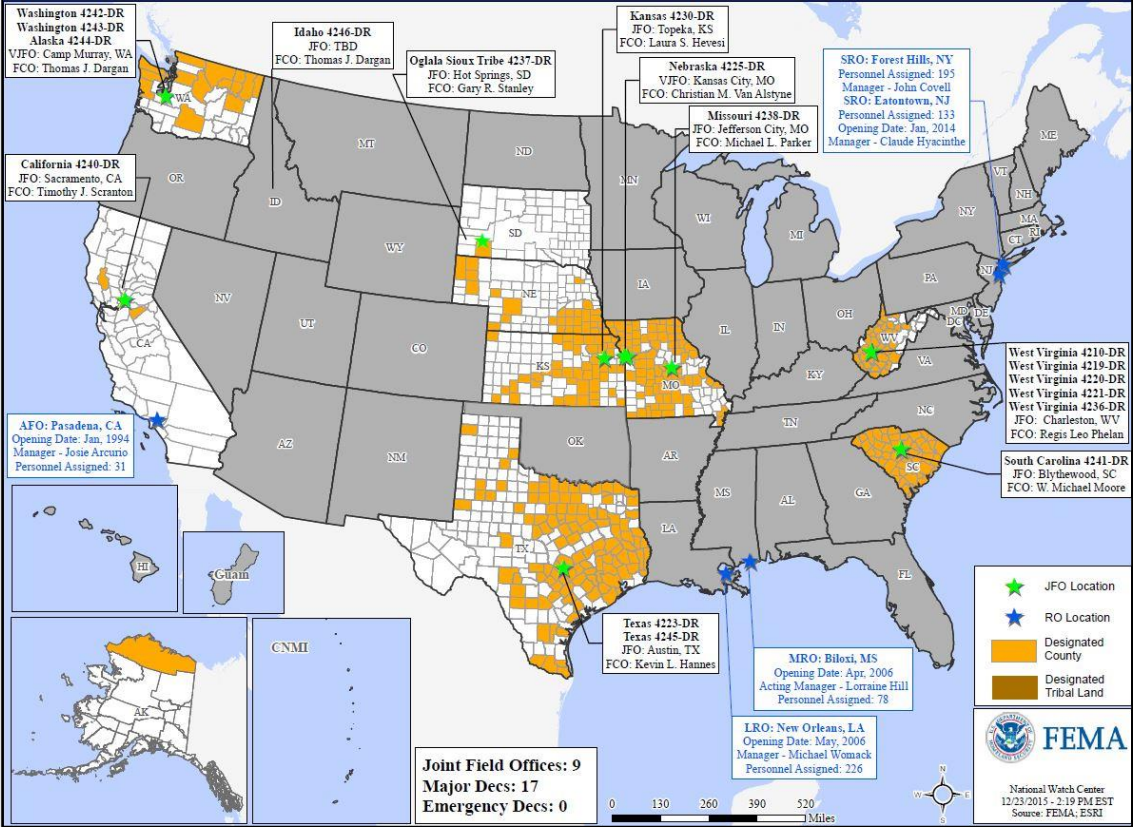
Amendment	Effective Date	Action
Amendment No. 2 to FEMA-4245-DR-TX	12/24/2015	Adds 16 counties for Public Assistance



# Open Field Offices as of December 28



FEMA



# Joint Preliminary Damage Assessments



Region	State / Location	Event	IA/PA	Number of Counties		Start – End
				Requested	Complete	
IV	MS	Severe Weather & Flooding December 23, 2015 – continuing	IA	3	0	12/28 – TBD
			PA	5	0	12/28 – TBD
X	WA	Severe Storms & Flooding November 30 – continuing	IA	1	0	TBD – TBD
			PA	1	0	TBD – 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	Yellow	38	18	47%	0	3	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	Green	8	3	38%	0	0	5		
US&R	Green	28	26	92%	0	1	1	NM-TF1 (Red) - Personnel shortages TX-TF1 (Blue) – Deployed in State	<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	Green	3	3	100	0	0	0		<ul style="list-style-type: none"> <li>Green: 3 avail</li> <li>Yellow: 1-2 avail</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	Green	13	7	54%	1	1	4	<b>Deployed:</b> RVI (Team 2) Deployed to TX RVII Deployed to MO RIX (Team 2) Deployed to CA RX Deployed to WA  <b>PMC:</b> RIX (Team 1) Reconstituting from CNMI  <b>NMC:</b> RV (Team 1) Red – Personnel Shortages	<ul style="list-style-type: none"> <li>Green: 7 or more avail</li> <li>Yellow: 4 - 6 teams available</li> <li>Red: &gt; 8 teams deployed/unavailable</li> </ul> R-IMAT also red if TL Ops/Log Chief is unavailable & has no qualified replacement
MCOV	Yellow	59	39	66%	0	13	7	3 MCOVs deployed to SC (FEMA-4241-DR) 4 MCOVs deployed to TX (FEMA-4245-DR)	<ul style="list-style-type: none"> <li>Green = 80 – 100% avail</li> <li>Yellow = 60 – 79% avail</li> <li>Red = 59% or below avail</li> <li>Readiness remains 95%</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	Watch/Steady State		<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	Not Activated		
HLT		1	N/A	N/A	0	0	Not Activated		
DEST							Not Activated		
RRCCs		10	10	100%	0	0	Activated	Region VI Level III (Day shift) for severe weather	
RWCs/MOCs		10	10	100%	0	0	Activated	Region VI Enhanced Watch (Night shift)	



# 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.**