Significant Events: Severe weather - Lower Mississippi Valley and Southeast

Significant Weather:
- Flash flooding possible – central to southern CA and Southeast to Southern Appalachians
- Severe thunderstorms possible – Southeast to Tennessee Valley and Mid-Atlantic
- Rain and thunderstorms – Pacific Northwest to CA; Southern/Central Plains to Lower Mississippi & Ohio Valleys, Southeast, and Mid-Atlantic
- Heavy snow possible – Northern Intermountain; northern CA to Northern Rockies, Central Great Basin and Southwest
- Snow – Northern Intermountain to Northern Plains, CA, Central Great Basin, Southwest and Southern Rockies
- Rain and snow – Pacific Northwest to Northern Intermountain, Central Great Basin, Southwest, Northeast
- Rain – southern CA to Southwest, Great Lakes to Northeast
- Space Weather – Past 24 hours – none; next 24 hours – none

Tropical Activity Western Pacific: No activity affecting U.S. interests

Earthquake Activity: No significant activity

Declaration Activity: None
Severe Weather – Lower MS/Southeast

**Current Situation:**
- SPC Storm Reports for Jan 21-22 show 29 tornadoes, 168 wind, and 49 hail reports from the Lower Mississippi Valley to the Southeast
- Severe thunderstorms and flash flooding remain possible across much of the Southeast – high risk across GA, southeast AL, and northern FL

**Impacts:**
- Confirmed fatalities: 4 in MS; 3 in GA; unconfirmed fatalities: 10 in GA; injuries: 56 in MS, 200 in GA
- Residential/commercial structures damaged in MS:
  - 428 homes in Hattiesburg & Petal, a dorm at William Carey University, and fire department in Hattiesburg
- Downed trees and powerlines
- Power outages: 21k across Region IV, mostly in GA – 11k; 8k across Region VI
- Shelters: 3 shelters open with 97 occupants in MS *(ARC Midnight Shelter Count as of 4:31 am EST)*

**State/Local Response:**
- GA EOC at Full Activation
- MS EOC is Partially Activated; Governor declared a state of emergency
- US&R MS-TF1 & MS-TF2 deployed to MS as state asset
- AL and LA EOCs on alert

**Federal Response:**
- FEMA Regions IV at Enhanced Watch (24/7)
  - IMAT on standby
  - LNOs deployed to GA, AL, and MS EOCs
- FEMA Regions VI returned to Watch/Steady State
  - LNO on standby for AR
- No request for FEMA assistance
National Weather Forecast

Today

Tomorrow
Active Watches and Warnings

http://www.nws.noaa.gov/view/largemap.php
Precipitation Forecast – Days 1-3

Day 1
Day 2
Day 3
Severe Weather Outlook: Day 1

Categories:
- Thunderstorms
- Marginal Risk
- Slight Risk
- Enhanced Risk
- Moderate Risk
- High Risk
Tornado Outlook: Day 1

Probability for EF2+ tornado within 25 miles of a point:
- 2%: Green
- 5%: Medium Green
- 10%: Light Yellow
- 15%: Dark Yellow
- 30%: Magenta
- 45%: Dark Red
- 60%+: Dark Blue

10%+ Probability for Significant Tornadoes (EF2+)
Severe Wind & Hail Outlook: Day 1

Damaging Wind Probabilities

Probability for 58+ mph winds within 25 miles of a point

- 5%
- 15%
- 30%
- 45%
- 60%

Damaging Hail Probabilities

Probability of one inch diameter hail or larger within 25 miles of a point

- 5%
- 15%
- 30%
- 45%
- 60%

10%+ Probability for Significant Damaging Winds (75+ mph gusts)
Flash Flood Potential

Day 1 Excessive Rainfall Outlook
Valid 12Z Sun Jan 22 2017
Thru 12Z Mon Jan 23 2017
Issued: 0829Z Sun Jan 22 2017
Forecaster: BURKE
NOAA/NWS/NCEP/WPC

Risk of rainfall exceeding flash flood guidance to the right of a line
HIGH: > 15% SLGT: 5%-10%
MDT: 10%-15% MRGL: 2%-5%

http://www.wpc.ncep.noaa.gov/qpf/excess_rain.shtml
Forecast Snowfall – Days 1-3

Valid Ending Wednesday January 25th, 2017 at 7 AM EST
6-10 Day Outlooks

6-10 Day Precipitation Probability

6-10 Day Temperature Probability
Earthquake Activity – International

M 7.9 Solomon Islands (initially reported at 8.0)
- Occurred at 11:30 pm (EST) Jan 21 25 west of Papua, New Guinea at a depth of 104 miles
- Yellow PAGER Alert for shaking-related fatalities and economic losses; some casualties and damage are possible
- Level VIII on the Modified Mercalli Scale; 72k possibly exposed to severe shaking
- No tsunami threat for U.S. interests; all tsunami alerts cancelled
- No reports of damages or injuries
<table>
<thead>
<tr>
<th>Region</th>
<th>State / Location</th>
<th>Event</th>
<th>IA/PA</th>
<th>Number of Counties</th>
<th>Start – End</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Requested</td>
<td>Completed</td>
</tr>
<tr>
<td>VI</td>
<td>OK</td>
<td>Winter Storm January 11-15, 2017</td>
<td>PA</td>
<td>10</td>
<td>0</td>
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<tr>
<td>VIII</td>
<td>SD</td>
<td>Snowstorms November 23-December 26, 2016</td>
<td>PA</td>
<td>24 counties 3 tribes</td>
<td>24 counties 3 tribes</td>
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<tr>
<td></td>
<td>SD*</td>
<td>Snowstorms November 23-December 26, 2016</td>
<td>PA</td>
<td>1</td>
<td>0</td>
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<tr>
<td>IX</td>
<td>NV</td>
<td>Winter Storms</td>
<td>PA</td>
<td>5 Counties 3 Tribes</td>
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</tr>
</tbody>
</table>

*Note: Sisseton-Wahpeton Oyate Tribe
## Declaration Requests in Process

<table>
<thead>
<tr>
<th>State</th>
<th>Description</th>
<th>Date Requested</th>
<th>Requests APPROVED (since last report)</th>
<th>Requests DENIED (since last report)</th>
</tr>
</thead>
<tbody>
<tr>
<td>GA</td>
<td>DR Severe storms, tornadoes, and straight-line winds</td>
<td>January 9, 2017</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>OR</td>
<td>DR Severe winter storm, flooding, landslides, and mudslides</td>
<td>January 13, 2017</td>
<td>0</td>
<td>0</td>
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<tr>
<td>AK</td>
<td>Kivalina Village – DR Storm surge, flooding, or weather conditions that prohibit evacuation by sea and air</td>
<td>January 15, 2017</td>
<td>0</td>
<td>0</td>
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</table>
Open Field Offices
<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>FMC Available</th>
<th>Partially Available</th>
<th>Not Available</th>
<th>Detailed, Deployed, Activated</th>
<th>Comments</th>
<th>Rating Criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>National IMAT</td>
<td>Green</td>
<td>3</td>
<td>2</td>
<td>67%</td>
<td>0</td>
<td>0</td>
<td>East-2 to LA (DR-4277)</td>
<td>Green: &gt;3 Teams Available, Yellow: 1 - 2 Teams Available, Red: 0 Teams Available</td>
</tr>
<tr>
<td>Regional IMAT</td>
<td>Red</td>
<td>13</td>
<td>9</td>
<td>69%</td>
<td>0</td>
<td>2</td>
<td>Region IV-1 to NC (DR-4285) Reconstituting Region VII to IA (DR-4281) Reconstituting Deployed:</td>
<td>Green: &gt;6 Teams Available, Yellow: 4 - 6 Teams Available, Red: 0 - 4 Teams Available</td>
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<tr>
<td>FCO</td>
<td>Red</td>
<td>37</td>
<td>7</td>
<td>19%</td>
<td>0</td>
<td>5</td>
<td>FCO Readiness</td>
<td>OCD Readiness</td>
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<tr>
<td>FDRC</td>
<td>Red</td>
<td>11</td>
<td>4</td>
<td>36%</td>
<td>0</td>
<td>2</td>
<td>FDRC 3 2 1</td>
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<tr>
<td>US&amp;R</td>
<td>Green</td>
<td>28</td>
<td>28</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>US&amp;R 28 28 100%</td>
<td>Green: &gt;66% Available, Yellow: 33% - 66% Available, Red: &lt;33% Available</td>
</tr>
<tr>
<td>MERS</td>
<td>Green</td>
<td>36*</td>
<td>30</td>
<td>83%</td>
<td>0</td>
<td>6</td>
<td>MERS 36* 30 83%</td>
<td>Green: &gt;66% Available, Yellow: 33% - 66% Available, Red: &lt;33% Available</td>
</tr>
</tbody>
</table>
# Readiness – National and Regional Teams

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>FMC Available</th>
<th>Partially Available</th>
<th>Not Available</th>
<th>Status</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWC</td>
<td>5</td>
<td>5</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>Not Activated</td>
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<tr>
<td>NRCC</td>
<td>2</td>
<td>2</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>Not Activated</td>
<td></td>
</tr>
<tr>
<td>HLT</td>
<td>1</td>
<td>1</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>Not Activated</td>
<td></td>
</tr>
<tr>
<td>RRCCs</td>
<td>10</td>
<td>9</td>
<td>90%</td>
<td>0</td>
<td>0</td>
<td>Not Activated</td>
<td></td>
</tr>
<tr>
<td>RWCs/MOCs</td>
<td>10</td>
<td>10</td>
<td>100%</td>
<td>0</td>
<td>0</td>
<td>Not Activated</td>
<td>Region IV at Enhanced Watch</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Region VI returned to Watch/Steady State</td>
</tr>
</tbody>
</table>

- Green = FMC
- Yellow = PMC
- Red = NMC
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.