Friday, September 8, 2017
8:30 a.m. EDT
Significant Activity – Sep 7-8

**Significant Events:** Response to Harvey; Hurricane Irma, Hurricane Jose

**Tropical Activity:**
- Atlantic – Hurricane Irma (CAT 4); Hurricane Jose (CAT 3); Hurricane Katia (CAT 1); Disturbance 1 – Low (near 0%)
- Eastern Pacific – No tropical cyclones expected next 5 days
- Central Pacific – No tropical cyclones expected next 5 days
- Western Pacific – Invest 94W - High

**Significant Weather:**
- Flash flooding Possible – CA, NV, AZ, & UT
- Red Flag Warnings – MT, UT & OR
- Elevated fire weather – MT, ND & SD; isolated dry thunderstorms – ID, MT, NV, UT & WY
- Space weather:
  - Past 24 hours: Severe; geomagnetic storms reaching G4 level, solar radiation storms reaching S2 level, and radio blackouts reaching R3 level occurred
  - Next 24 hours: Strong; geomagnetic storms reaching G3 level, solar radiation storms reaching S2 level, and radio blackouts reaching R2 level expected

**Earthquake Activity:** M8.1 off coast of Mexico

**Declaration Activity:**
- Major Disaster Declaration approved – U.S. Virgin Islands
- Emergency Declaration approved – South Carolina
- Emergency Declaration Request – Georgia
Disturbance 1 (8:00 a.m. EDT)
- Expected to emerge off coast of Africa by tomorrow morning
- Moving WNW over eastern Atlantic Ocean
- Conditions only expected to support gradual development through early next week
- Formation chance through 48 hours: Low (near 0%)
- Formation chance through 5 days: Low (20%)
Hurricane Irma

**Hurricane IRMA (CAT 4)** (Advisory #37A, as of 8:00 a.m. EDT)
- Located 450 miles SE of Miami, FL
- Moving WNW at 16 mph; turn NW expected late Saturday
- Maximum sustained winds 150 mph; some fluctuations in intensity likely next day or two, but forecast to remain a Category 4 or 5 hurricane
- Hurricane force winds extend 70 miles; tropical storm force winds extend 185 miles
- Hurricane and Storm Surge Watches and Warnings in effect
Hurricane Jose

Hurricane JOSE (CAT 3) (Advisory #12A, as of 8:00 a.m. EDT)
- Located 480 miles ESE of northern Leeward Islands
- Moving WNW at 16 mph
- Maximum sustained winds 125 mph
- Some slight strengthening possible later today or tonight
- Hurricane force winds extend 35 miles; tropical storm force winds extend 115 miles
Hurricane Katia

**Hurricane KATIA (CAT 1)** (Advisory #11A, as of 8:00 a.m. EDT)

- Located 140 miles NNE of Veracruz, Mexico
- Moving WSW at 3 mph; this general motion expected to continue until it makes landfall early Saturday
- Maximum sustained winds 90 mph; some additional strengthening forecast next day or so; could be near major hurricane strength at landfall
- Hurricane force winds extend 10 miles; tropical storm force winds extend 60 miles
Hurricane Irma

**FEMA Region II**
- RRCC: Level I (day shift); Level II (night shift) Watch: Steady State
- Emergency Declarations for PR and USVI; USVI and PR EOCs: Full Activation
- IMAT A: Deployed to St. Croix, USVI
- IMAT B: Deployed to USVI
- IMAT C: Deployed to PR
- Maynard MERS deployed to USVI and PR
- USACE, DMAT, and USGS in PR
- Ports in USVI and PR are closed (port condition ZULU)
- USVI: six shelters with 298 occupants (*ESF-6 Update, September 7, 2017 8:23 a.m. EDT*)

**FEMA Region III**
- RRCC: Level III (day shift only)
- IMAT-1: deployed to WV (for FEMA-4331-DR-WV)
- IMAT Purple: deployed to VA EOC

**FEMA Region IV**
- RRCC: Level I (24/7)
- IMAT-1: deployed to FL; IMAT-2: deployed to SC
- LNO deployed to FL, NC, SC, GA EOCs
- Regional Hurricane Liaison Team (HLT) deployed to NHC
- FL, GA & SC EOCs at Full Activation; TN and NC EOCs at Monitoring
- GA, NC, and SC Governors declared States of Emergency
Hurricane Irma

**FEMA HQ**
- NRCC: Level I (24/7) with all ESFs and LNOs; NWC: Steady State
- National IMAT-East 1 deployed to GA EOC
- National IMAT-East 2 deployed to FL EOC
- FEMA Corps: Teams deployed to PR (1) and Atlanta, GA (1)
- Region X IMAT: Deployed to PR
- ISB at Randolph AFB, TX to support air operations; resources staged in GA, FL, PR and USVI
- US&R: VA-TF1 deployed to PR; Red IST staged in VA; eight Task Forces and three HEPPs standing by
Tropical Cyclone Harvey

Current Situation:
Response and recovery efforts continue; area rivers and bayous will continue to fall below major flood stage

Impacts:
• FEMA Modeling indicates of 2.7M homes across 29 counties impacted
• Transportation: flooding continues to hinder traffic on roads and bridges
• Communications: 103k landline customers out of service
• Medical: 7 hospitals remain closed
• Power Outages: 27k (-13) customers without power in TX (as of 8:00 a.m. EDT*)

Response:
FEMA Region VI
• RRCC: Level II (24/7); RWC: Steady State
• Region VI IMAT-1: Deployed to TX
• Region VI IMAT-2: Deployed to TX
• LNOs: deployed to TX
• TX EOC at Full Activation

FEMA Headquarters
• NRCC: Level I (24/7) with all ESFs and LNOs; NWC: Steady State
• National IMAT West: Deployed to Austin, TX
• Region V, VII and VIII IMATs deployed to TX
• ISBs: Seguin, TX; Camp Beauregard, LA; Randolph, TX
• MERS: MCOVs in TX
• FEMA Corps: 42 teams (315 members) deployed

*Note: 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.
Tropical outlook – Eastern Pacific

48-Hour Outlook

Tropical cyclone activity is not expected during the next 48 hours.

5 Day Outlook

No new tropical cyclones are expected during the next five days.
Tropical Outlook – Central Pacific

**48-Hour Outlook**

Tropical cyclone activity is not expected during the next 48 hours.

**5 Day Outlook**

No new tropical cyclones are expected during the next five days.
**Invest 94W** (as of 10:00 p.m. EDT)
- Located 259 miles N of Chuuk Island, Federated States of Micronesia (FSM)
- Moving W at 17 mph
- Maximum sustained winds 21-26 mph
- Significant development indicated within 24-48 hours
- Formation chance next 24 hours: High
- Tropical Cyclone Formation Alert (TCFA) issued
Southeast River Flood Outlook

Significant River Flood Outlook
Valid: 9/7/2017 - 9/12/2017
Southeast River Forecast Center 9/7/2017 10:33:01 AM

Significant River Flood Outlook

- Significant River Flooding Possible
- Significant River Flooding Likely
- Significant River Flooding Occurring or Is Imminent

Significant River Flooding impacts include:
- Roads adversely affected
- Residential, commercial, industrial, and/or agricultural areas affected
- May require evacuation of people

NOTE: Flash Flooding or Minor River Flooding will NOT be included in this outlook.
National Weather Forecast

Today

Tomorrow
Precipitation Forecast

Days 1-3

Day 1

Day 2

Day 3
## Space Weather

<table>
<thead>
<tr>
<th></th>
<th>Space Weather Activity</th>
<th>Geomagnetic Storms</th>
<th>Solar Radiation</th>
<th>Radio Blackouts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Past 24 Hours</td>
<td>Severe</td>
<td>G4</td>
<td>S2</td>
<td>R3</td>
</tr>
<tr>
<td>Next 24 Hours</td>
<td>Strong</td>
<td>G3</td>
<td>S2</td>
<td>R2</td>
</tr>
</tbody>
</table>

For further information on NOAA Space Weather Scales refer to [http://www.swpc.noaa.gov/noaa-scales-explanation](http://www.swpc.noaa.gov/noaa-scales-explanation)

### HF Communication Impact

![HF Communication Impact Diagram]

### Sunspot Activity

![Sunspot Activity Image]
Significant Earthquake Activity

**M8.1 Offshore of Chiapas, Mexico**
- Occurred at 12:49 a.m. EDT, September 8, 2017
  - 60 miles SW of Chiapas, Mexico
  - Depth of 22 miles
- Red PAGER Alert issued indicating high casualties and extensive damage are probable and the disaster is likely widespread. Estimated economic losses are less than 1% of the GDP of Mexico
- Level VIII on Modified Mercalli Intensity scale - 547k exposed to severe shaking
- Media reports 6 fatalities and widespread damage
- Government of Mexico has not requested international assistance
- No FEMA employees on official travel in Mexico
- **No major tsunami threat to Hawaii, Guam/CNMI, American Samoa or other U.S. interests**
## Wildfire Summary

<table>
<thead>
<tr>
<th>Fire Name (County)</th>
<th>FMAG # (Approved Date)</th>
<th>Acres Burned</th>
<th>Percent Contained</th>
<th>Evacuations (Residents)</th>
<th>Structures</th>
<th>Fatalities / Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Threatened</td>
<td>Damaged</td>
</tr>
<tr>
<td><strong>California (4)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Helena (Trinity)</td>
<td>5199-FM-CA Sept 1, 2017</td>
<td>20,292 (+4,412)</td>
<td>40% (+10)</td>
<td>Mandatory</td>
<td>5,250 (4,000 homes)</td>
<td>8 (4 homes)</td>
</tr>
<tr>
<td>Railroad (Madera &amp; Mariposa)</td>
<td>5202-FM-CA Sept 2, 2017</td>
<td>12,099 (+496)</td>
<td>50% (+7)</td>
<td>Mandatory</td>
<td>511 (500 homes)</td>
<td>0</td>
</tr>
<tr>
<td>Mission (Madera)</td>
<td>5204-FM-CA Sept 4, 2017</td>
<td>1,035</td>
<td>40% (+25)</td>
<td>Mandatory</td>
<td>237 (237 homes)</td>
<td>8 (4 homes)</td>
</tr>
<tr>
<td>Pier (Tulare)</td>
<td>5205-FM-CA Sept 5, 2017</td>
<td>24,225 (+3,966)</td>
<td>35% (+10)</td>
<td>Mandatory</td>
<td>604 (604 homes)</td>
<td>0</td>
</tr>
<tr>
<td><strong>Oregon (2)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chetco Bar (Curry)</td>
<td>5198-FM-OR August 20, 2017</td>
<td>177,301 (+531)</td>
<td>5%</td>
<td>Mandatory</td>
<td>12,286 (8,523 homes)</td>
<td>9 (1 home)</td>
</tr>
<tr>
<td>Eagle Creek (Hood River)</td>
<td>5203-FM-OR Sept 3, 2017</td>
<td>33,382 (+2,453)</td>
<td>7% (+2)</td>
<td>Mandatory</td>
<td>5,230 (5,230 homes)</td>
<td>0</td>
</tr>
<tr>
<td><strong>Washington (1)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jolly Mountain (Kittitas)</td>
<td>5200-FM-WA Sept 2, 2017</td>
<td>26,325 (+1,811)</td>
<td>8% (+3)</td>
<td>Mandatory</td>
<td>5,277 (4,204 homes)</td>
<td>0</td>
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</tbody>
</table>
## Joint Preliminary Damage Assessments

<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>
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</thead>
<tbody>
<tr>
<td>VI</td>
<td>NM</td>
<td>Severe Storms</td>
<td></td>
<td>IA Requested</td>
<td>N/A</td>
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<tr>
<td></td>
<td></td>
<td>August 3, 2017</td>
<td></td>
<td>IA Completed</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PA Requested</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PA Completed</td>
<td>Sep 6 – TBD</td>
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<tr>
<td>IX</td>
<td>AZ</td>
<td>Excessive Rainfall</td>
<td></td>
<td>IA Requested</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>July 23-24, 2017</td>
<td></td>
<td>IA Completed</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PA Requested</td>
<td>N/A</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>PA Completed</td>
<td>Sep 6 – TBD</td>
</tr>
</tbody>
</table>
Georgia

- Governor requested an Emergency Declaration on September 7, 2017 for the State of Georgia
- For Hurricane Irma beginning on September 7, 2017 and continuing
- Requesting:
  - Debris removal and emergency protective measures (Categories A and B), including direct federal assistance under the Public Assistance program for 30 counties
FEMA-4335-EM-USVI

- Emergency Declaration approved September 7, 2017 for the Territory of the U.S. Virgin Islands
- For Hurricane Irma beginning on September 6, 2017 and continuing
- Provides:
  - Individual Assistance for the islands of St. John and St. Thomas
  - Debris removal and emergency protective measures (Categories A and B), including direct federal assistance, under the Public Assistance program, for all islands in the Territory of the U.S. Virgin Islands:
- FCO is William L. Vogel
Declaration Approved

**FEMA-3386-EM-SC**

- Emergency Declaration approved September 7, 2017 for the state of South Carolina
- For Hurricane Irma beginning on September 6, 2017 and continuing
- Provides:
  - Emergency protective measures (Category B), including direct federal assistance, under the Public Assistance program at 75 percent federal funding, for all 46 counties and the Catawba Indian Nation
- FCO is Willie G. Nunn
## Disaster Requests & Declarations

### Declaration Requests in Process

<table>
<thead>
<tr>
<th>State</th>
<th>Type</th>
<th>Requested</th>
<th>9</th>
<th>IA</th>
<th>PA</th>
<th>HM</th>
<th>2</th>
<th>0</th>
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</thead>
<tbody>
<tr>
<td>NY</td>
<td>DR (Expedited) Flooding</td>
<td>July 6, 2017</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
<td></td>
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<tr>
<td>ID</td>
<td>DR Flooding</td>
<td>July 20, 2017</td>
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<tr>
<td>ND</td>
<td>DR Drought</td>
<td>August 7, 2017</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td></td>
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<tr>
<td>WI</td>
<td>Severe Storms, Straight-line Winds, Flooding, Landslides, Mudslides</td>
<td>August 23, 2017</td>
<td>X</td>
<td>X</td>
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<tr>
<td>ND</td>
<td>Severe Storms</td>
<td>August 24, 2017</td>
<td>X</td>
<td>X</td>
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<tr>
<td>KS</td>
<td>DR Severe Storms, Straight-line Winds, and Flooding</td>
<td>August 31, 2017</td>
<td>X</td>
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<tr>
<td>IL</td>
<td>DR Severe Storms and Flooding</td>
<td>August 31, 2017</td>
<td>X</td>
<td>X</td>
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<td></td>
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<tr>
<td>NY</td>
<td>Severe Storms, Tornadoes, and Flooding</td>
<td>August 31, 2017</td>
<td>X</td>
<td>X</td>
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<tr>
<td>GA</td>
<td>EM Hurricane Irma</td>
<td>September 7, 2017</td>
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<tr>
<td>USVI</td>
<td>DR (Expedited) Hurricane Irma</td>
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<td>X</td>
<td>Declared September 7, 2017</td>
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<tr>
<td>SC</td>
<td>EM Hurricane Irma</td>
<td>September 6, 2017</td>
<td>X</td>
<td></td>
<td></td>
<td>Declared September 7, 2017</td>
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### Readiness – Deployable Teams and Assets

<table>
<thead>
<tr>
<th>Resource</th>
<th>Available</th>
<th>Deployed</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Workforce</strong></td>
<td>10,963 ▼</td>
<td>7,010 ▼</td>
<td>2,055</td>
</tr>
</tbody>
</table>

#### National IMATs* (1-2 Teams)

<table>
<thead>
<tr>
<th>Region</th>
<th>IMAT ID</th>
<th>Location</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>East 1</td>
<td>Deployed</td>
<td>JFO: Camp Murray, WA</td>
<td>FCO: Thomas J. Garvey</td>
</tr>
<tr>
<td>East 2</td>
<td>Deployed</td>
<td>JFO: Bolivia, ID</td>
<td>FCO: Timothy R. Blommer</td>
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</tbody>
</table>

#### Regional IMATs (0-3 Teams)

<table>
<thead>
<tr>
<th>Region</th>
<th>assigned</th>
<th>Available</th>
<th>Deployed</th>
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<tbody>
<tr>
<td>East 1</td>
<td>13</td>
<td>0</td>
<td>13</td>
</tr>
<tr>
<td>East 2</td>
<td></td>
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</table>

#### US&R (≤ 33%)

<table>
<thead>
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<th>Region</th>
<th>Assigned</th>
<th>Available</th>
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</thead>
<tbody>
<tr>
<td>East 1</td>
<td>28</td>
<td>10</td>
<td>18</td>
</tr>
<tr>
<td>East 2</td>
<td></td>
<td></td>
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</table>

#### MERS (≤ 33%)

<table>
<thead>
<tr>
<th>Region</th>
<th>Assigned</th>
<th>Available</th>
<th>Deployed</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>East 1</td>
<td>36</td>
<td>12</td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>East 2</td>
<td></td>
<td></td>
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</table>

#### FCO (≤ 1 Type I)

<table>
<thead>
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<th>Region</th>
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<th>Available</th>
<th>Deployed</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>East 1</td>
<td>36</td>
<td>5</td>
<td>28</td>
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</tr>
<tr>
<td>East 2</td>
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</table>

#### FDRC

<table>
<thead>
<tr>
<th>Region</th>
<th>Assigned</th>
<th>Available</th>
<th>Deployed</th>
<th>Status</th>
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</thead>
<tbody>
<tr>
<td>East 1</td>
<td>11</td>
<td>3</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

#### Cadres with Less Than 25%:

- DI: 7% (9/121)
- DSA: 3% (26/827)
- EHP: 17% (52/312)
- FLDR: 21% (36/168)
- HR: 17% (42/241)
- IA: 8% (189/2,245)
- FM: 18% (54/302)
- SEC: 8% (42/524)
- SAF: 17% (10/60)
- OPS: 18% (46/250)
- PL: 20% (89/442)
- NDRS: 17% (29/170)

*Status:

- B-2: Assemble ≤ 2-hrs, On Site ≤ 18-hrs
- B-48: Assemble and deploy ≤ 48hrs
- Charlie: No team assemble time requirement

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**Tropical Cyclone Harvey (4352-EW / 3982-EM)**

- Maysound & Maysound MERS
- Location:
  - Maysound MERS (LA EOC)
  - Maysound MERS (LA EOC)

- Texas:
  - TX-IB4 (Austin, TX)

- FCO:
  - Thomas L. Hennings

- LA Recovery Office:
  - Baton Rouge, LA

- LA Recovery Office:
  - Baton Rouge, LA

As of 9:00 a.m. EDT, September 8, 2017

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# FEMA Readiness – Activation Teams

<table>
<thead>
<tr>
<th>Resource</th>
<th>Status</th>
<th>Total</th>
<th>Status</th>
<th>Activated Team</th>
<th>Activation Level</th>
<th>Activation Times</th>
<th>Reason/Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>NWC</td>
<td></td>
<td>5</td>
<td>Not Activated</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NRCC</td>
<td></td>
<td>2</td>
<td>Activated</td>
<td>Blue</td>
<td>Level I</td>
<td>24/7</td>
<td>Tropical Cyclone Irma</td>
</tr>
<tr>
<td>HLT</td>
<td></td>
<td>1</td>
<td>Activated</td>
<td></td>
<td></td>
<td></td>
<td>Hurricane Season</td>
</tr>
<tr>
<td>RWCs/MOCs</td>
<td></td>
<td>10</td>
<td>Not Activated</td>
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<tr>
<td>RRCCs</td>
<td></td>
<td>10</td>
<td>Activated</td>
<td>Region I / Region II / Region III / Region IV / Region VI</td>
<td>Level III / Level I / Level II / Level I / Level II</td>
<td>Day shift / Night shift / Day shift / 24/7</td>
<td>Tropical Cyclone Irma / Tropical Cyclone Irma / Tropical Cyclone Irma / Tropical Cyclone Irma / Tropical Cyclone Harvey</td>
</tr>
</tbody>
</table>

**Back-up Region: V**
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.