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.
National Current Operations & Monitoring

Significant Incidents or Threats:
• Earthquake/Aftershocks – Puerto Rico
• Heavy Snow – Northwest

Declaration Activity: None
Earthquake (M6.4) – Puerto Rico

**Situation:** Aftershocks continue in the Puerto Rico region, primarily off the southern coast; USGS reported a magnitude 5.9 earthquake on January 11, 2020. Numerous aftershocks of 3.9 or greater continue. USGS forecast a 55% (-13%) probability of Magnitude 5 earthquakes in the next 7 days. Power generation continues to increase and is anticipated to be close to or at 100% capacity.

**Lifeline Impacts:** (Source: NRCC SLB, as of 6:00 a.m. EST, Jan 13)

**Safety & Security:** Lifeline remains green as there are no shortfalls to law enforcement, fire, search or community
- Infrastructure Assessment Team has completed assessments of nine fire stations; FEMA Branch IV building, and the PREMB Resource Staging in Ponce;
- US&R Incident Support Team (IST) and type 3 task force; and ESF #13 Quick Response Team (QRT) in place in Puerto Rico

**Food, Water & Sheltering:** Lifeline remains yellow; planning continues for establishing five survivor base camps
- 28 (+8) shelters open, 4,766 (+558) occupants
- 46K (-25k) approximately 4% (-2%) of clients without water service due to lack of power

**Health & Medical:** Lifeline remains green; there are no significant impacts to survivor access to medical care; one hospital remains closed
- All hospitals returned to commercial
- 1 hospital (Pavia Yauco) remains closed. Power and water restored offering emergency services only
- 10 members of Medical Assessment Team arrived in Caguas, to support the PR Medical Shelter Task Force
Earthquake (M6.4) – Puerto Rico

**Lifeline Impacts Continued:**

**Energy:** Lifeline is yellow as capabilities improve; rolling blackouts may continue and potential remains for outages due to aftershocks
- PREPA reported that approximately 1,600 MW of load and 2100 MW of generation capacity
- Repairs ongoing at several generating plants; return to service estimates are between January 13 and February 10

**Communication:** Lifeline remains green, communications are stable and current outages are primarily due to power distribution to cell towers
- DIRS reporting 96.9% (+0.9%) of cell sites online

**Transportation:** Lifeline remains green; Alternate routes available to bypass damaged roads, ports remain open and able to support operations
- Department of Transportation (DOT) establishing a Routing Assistance Hotline, expected to be operational by tomorrow
- PR National Guard assisting with infrastructure assessment and route clearance operations

**Hazardous Materials:** Lifeline remains green – no shortfalls/limiting factors

**State / Local Response:**
- Puerto Rico EOC - Full Activation
- The Governor of Puerto Rico declared a State of Emergency and activated the National Guard

**FEMA / Federal Response:**
- Region I:
  - IMAT deployed to PR (EM-3426-PR)
- Region II:
  - RRCC activated to Level II (Days, 8:00 a.m. – 8:00 p.m.)
  - RWC at Enhanced Watch (Nights, 8:00 p.m. – 8:00 a.m.)
  - IMATS and LNOs deployed to PR (EM-3426-PR)
- HQ:
  - ROC activated (Days)
  - NWC at Enhanced Watch (Nights)
  - N-IMAT Blue deployed to PR
  - Major disaster declaration request in process
- Deployed:
  - Recovery Assistance Team augmented
  - ESF 3 Infrastructure Assessment Planning and Response Team (PRT)
  - US&R activated (White IST & FL-TF2)
  - Staging Management Team (SMT)/National ISB Team to deploy to DC Caribbean, PR
National Weather Forecast

Mon

Tue

Wed
### 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>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Next 24 Hours</td>
<td>None</td>
<td>None</td>
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</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

- **Highest Frequency Affected by 1dB Absorption**
  - 0 kHz
  - 5 kHz
  - 10 kHz
  - 15 kHz
  - 20 kHz
  - 25 kHz
  - 30 kHz
  - 35 kHz

- **Degraded Frequency (MHz)**
  - Normal X-ray Background
  - Normal Proton Background

- **Attenuation (Maximum Absorption)**
  - 0 dB
  - 5 dB
  - 10 dB
  - 15 dB
  - 20 dB
  - 25 dB
  - 30 dB
  - 35 dB

- **Note**: High latitude areas cannot be assessed.

### Sunspot Activity
<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>II</td>
<td>PR</td>
<td>Magnitude 6.4 Earthquake 01/07/2020</td>
<td></td>
<td>IA</td>
<td>1/8/20 – TBD</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>IA</td>
<td>13 (+2)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3 (+3)</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>PA</td>
<td>11</td>
<td>1/9/20 - TBD</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
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</table>
## Declaration Requests in Process – 5

<table>
<thead>
<tr>
<th>State / Tribe / Territory – Incident Description</th>
<th>Type</th>
<th>IA</th>
<th>PA</th>
<th>HM</th>
<th>Requested</th>
</tr>
</thead>
<tbody>
<tr>
<td>AK – Swan Lake Fire</td>
<td>DR</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Nov 25</td>
</tr>
<tr>
<td>ND – Flooding</td>
<td>DR</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Dec 13</td>
</tr>
<tr>
<td>AR – Severe Storm, Straight-line Winds, and a Tornado</td>
<td>DR</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Dec 18</td>
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<td>VT – Severe Storm and Flooding</td>
<td>DR</td>
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<td>X</td>
<td>X</td>
<td>Dec 20</td>
</tr>
<tr>
<td>PR – Earthquakes</td>
<td>DR</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>Jan 11</td>
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</tbody>
</table>
FEMA’s mission is helping people before, during, and after disasters.

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