



Department of  
**Military**

**TEMA**

# Individual and Family Resilience in the New Madrid Seismic Zone

February 21, 2020

# Catastrophic Event

- An event on the New Madrid Seismic Zone of a magnitude 6.0 or greater.
- Will cause numerous casualties
- Damage to an enormous amount of structures
- Disruption of government services
- Disturbance of transportation
- Interruption of essential services

# Catastrophic Event

- There will be destructive aftershocks that will occur within minutes, days, and months following the main event
- Major pipelines and fuel storage facilities will fail
- Citizens should be prepared to be on their own for 72 hours...PLUS
  - Preferably WEEKS and MONTHS

# Damage Estimates

- Hundreds of thousands, maybe millions of people will be without water, food, and shelter in the states surrounding the New Madrid Seismic Zone.
- Major bridges will be damaged and may not be able to be inspected until aftershocks subside
  - Approximately 240 major bridges damaged, with 25 being completely destroyed.
- Hospital bed availability down to approximately 22 percent of pre-earthquake numbers in most affected states

# TN Earthquake Planning / Exercise History

- 2011 Catastrophic Event Annex (CAT) to the Tennessee Emergency Management Plan (TEMP)
- 2019 Shaken Fury National Exercise

# County Considerations

- Potential Shelters
  - Schools
  - Churches
  - Open areas
- Staging Areas
  - Large, paved, secure
- Casualty Collection Points
- Relocation Areas
- Evacuation Routes
- Communications Capabilities
- County / City Assets

# Individual and Family Considerations

- Emergency Plan and Provisions
  - Home
  - Work
  - School
  - On the road
- Emergency Supplies
  - Food
  - Water
  - Medicine
  - Savings

# Needs

- How can we help?
  - Planning Assistance
  - Training
  - Exercises
- We are here to help in anyway we can



# Contact

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