Alabama Railway Bridge Damage
New Madrid Seismic Zone: M7.7 Event

Railway Bridge Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Railway Bridge Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

Mid-America Earthquake Center
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The George Washington University
Alabama Railway Facility Damage
New Madrid Seismic Zone: M7.7 Event

Railway Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Railway Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Railway Tunnel Damage
New Madrid Seismic Zone: M7.7 Event

Railway Tunnel Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Railway Tunnel Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Bus Facility Damage
New Madrid Seismic Zone: M7.7 Event

Bus Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Bus Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Port Facility Damage
New Madrid Seismic Zone: M7.7 Event

Port Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties
- Port Facility Damage (Surface)
  - Highly Unlikely
  - Unlikely
  - Moderate Likelihood
  - Likely
  - Certain
  - No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Electric Facility Damage
New Madrid Seismic Zone: M7.7 Event

Electric Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Electric Power Outages at Day 1
% Households w/o Service
- 0%-20%
- 21%-40%
- 41%-60%
- 61%-80%
- 81%-100%

Major Cities by Population
- 52,000-80,000
- 80,001-196,000
- 196,001-265,000

Roads
- US Routes
- Interstates
Alabama Natural Gas Facility Damage
New Madrid Seismic Zone: M7.7 Event

Natural Gas Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties
- Natural Gas Pipelines

Natural Gas Facility Damage (Surface)

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates
Alabama Oil Facility Damage
New Madrid Seismic Zone: M7.7 Event

Oil Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties
- Oil Pipelines

Oil Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Waste Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Waste Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Number of Line Breaks & Leaks
- 2 - 5
- 6 - 10
- 10 - 15
- 16 - 30
- 31 - 45

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Potable Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Potable Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Legend
- Socially Impacted Counties

Number of Line Breaks & Leaks
- 3 - 10
- 11 - 15
- 16 - 20
- 21 - 35
- 36- 60

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Potable Water Outages
New Madrid Seismic Zone: M7.7 Event

Legend
- Socially Impacted Counties
- Potable Water Outages (State)
  - 0-20%
  - 21-40%
  - 41-60%
  - 61-80%
  - 81-100%

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates
Alabama Levee Damage
New Madrid Seismic Zone: M7.7 Event

Levee Damage of Critical Area (Points)
- Not Damaged
- Damaged

Legend
- Socially Impacted Counties
- Levee Damage (Surface)
  - Not Damaged
  - Damaged
  - No Inventory

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates
Alabama Building Damage
New Madrid Seismic Zone: M7.7 Event

Building Damage (Percent) in Critical Area
- 0% - 20%
- 20.1% - 40%
- 40.1% - 60%
- 60.1% - 80%
- 80.1% - 100%

Legend
- Socially Impacted Counties

Statewide Building Damage (Percent)
- 0% - 20%
- 20.1% - 40%
- 40.1% - 60%
- 60.1% - 80%
- 80.1% - 100%

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Total Debris
New Madrid Seismic Zone: M7.7 Event

Total Debris - thousand tons
of Critical Area

<table>
<thead>
<tr>
<th>Range</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>Light Yellow</td>
</tr>
<tr>
<td>4.1-11</td>
<td>Yellow</td>
</tr>
<tr>
<td>11.1-20</td>
<td>Light Orange</td>
</tr>
<tr>
<td>20.1 - 35</td>
<td>Orange</td>
</tr>
<tr>
<td>35.1 - 182</td>
<td>Dark Red</td>
</tr>
</tbody>
</table>

Legend

- Socially Impacted Counties
- Total Debris - thousand tons (State)
  - 0-4
  - 4.1-11
  - 11.1-20
  - 20.1 - 35
  - 35.1 - 182

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

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Alabama Peak Ground Acceleration

New Madrid Seismic Zone: M7.7 Event

Legend
- Socially Impacted Counties

Peak Ground Acceleration - State (g)
- 0 - 0.2
- 0.21 - 0.4
- 0.41 - 0.6
- 0.61 - 0.8
- 0.81 - 1.2

Major Cities by Population
- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates
Alabama Liquefaction Susceptibility
New Madrid Seismic Zone: M7.7 Event

Legend

- Socially Impacted Counties
- Liquefaction Susceptibility (State)

- None
- Very Low
- Low
- Moderate
- High
- Very High

Major Cities by Population

- 52,000 - 80,000
- 80,001 - 196,000
- 196,001 - 265,000

Roads
- US Routes
- Interstates

Mid-America Earthquake Center
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Arkansas Police Station Damage
New Madrid Seismic Zone: M7.7 Event

Police Station Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Police Station Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

Mid-America Earthquake Center
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Arkansas Emergency Operation Center Damage
New Madrid Seismic Zone: M7.7 Event

Emergency Operation Center Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Emergency Operation Facilities Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Highway Bridge Damage
New Madrid Seismic Zone: M7.7 Event

Highway Bridge Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Highway Bridge Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Bus Facility Damage
New Madrid Seismic Zone: M7.7 Event

Bus Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Port Facility Damage
New Madrid Seismic Zone: M7.7 Event

Port Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

Impacted Counties Boundary

Port Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory
Arkansas Electric Facility Damage
New Madrid Seismic Zone: M7.7 Event

Electric Facility Damage
of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Electric Power Outages at Day 1
% Households w/o Service
- 0% - 20%
- 20.1% - 40%
- 40.1% - 60%
- 60.1% - 80%
- 80.1% - 100%

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

Mid-America Earthquake Center
Virginia Tech
Arkansas Natural Gas Facility Damage
New Madrid Seismic Zone: M7.7 Event

Natural Gas Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Natural Gas Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

Impact Counties Boundary
Natural Gas Pipelines

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Arkansas Oil Facility Damage
New Madrid Seismic Zone: M7.7 Event

Oil Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
- Oil Pipelines

Oil Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Waste Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Waste Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Number of Line Breaks and Leaks
- 1 - 200
- 201 - 650
- 651 - 1,250
- 1,251 - 2,075
- 2,076 - 8,200

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Potable Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Potable Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Number of Line breaks and leaks
- 0-300
- 301-800
- 801-1,550
- 1,551-2,550
- 2,551-10,300

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Casualties at 2:00 AM
New Madrid Seismic Zone: M7.7 Event

Casualties at 2:00 AM in Critical Area
- <=100
- 101-300
- 301-700
- 701-1,200
- 1,201 - 3,000

Impacted Counties Boundary

Statewide Casualties at 2:00 AM
- <=100
- 101-300
- 301-700
- 701-1,200
- 1,201 - 3,000

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

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Arkansas Total Debris
New Madrid Seismic Zone: M7.7 Event

Total Debris - thousand tons of Critical Area

- 0-80
- 81-200
- 201-400
- 401-1,000
- 1,001-2,000

Impact Counties Boundary

Total Debris - thousand tons (State)

- 0-80
- 81-200
- 201-400
- 401-1,000
- 1,001-2,000

Major Cities by Population

- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads

- US Routes
- Interstates

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Arkansas Peak Ground Acceleration (PGA)
New Madrid Seismic Zone: M7.7 Event

Peak Ground Acceleration
of Critical Area (g)
- 0 - 0.2
- 0.21 - 0.4
- 0.41 - 0.6
- 0.61 - 0.8
- 0.81 - 1.2

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates
Arkansas Liquefaction Susceptibility
New Madrid Seismic Zone: M7.7 Event

Liquefaction Susceptibility of Critical Area
- None
- Very Low
- Low
- Moderate
- High
- Very High

Impacted Counties Boundary

Liquefaction Susceptibility (State)
- None
- Very Low
- Low
- Moderate
- High
- Very High

Major Cities by Population
- 35,000 - 58,000
- 58,001 - 75,000
- 75,001 - 179,000

Roads
- US Routes
- Interstates

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Illinois Fire Station Damage
New Madrid Seismic Zone: M7.7 Event

Fire Station Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois School Damage
New Madrid Seismic Zone: M7.7 Event

School Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

School Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

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Illinois Airport Facility Damage
New Madrid Seismic Zone: M7.7 Event

Airport Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impact Counties Boundary

Airport Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Highway Bridge Damage
New Madrid Seismic Zone: M7.7 Event

Highway Bridge Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Highway Bridge Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000
Major River Crossings Damage of Critical Area (Points)
- Unlikely Damaged
- Likely Damaged

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Railway Bridge Damage
New Madrid Seismic Zone: M7.7 Event

Railway Bridge Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

Impacted Counties Boundary

Highly Unlikely
Unlikely
Moderate Likelihood
 Likely
Certain

Chicago

0 12.5 25 50 Miles

0 40 80 160 Miles

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Railway Bridge Damage (Surface)
Illinois Railway Facility Damage
New Madrid Seismic Zone: M7.7 Event

Railway Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Railway Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 0 - 83,000
- 83,001 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

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Illinois Railway Tunnel Damage
New Madrid Seismic Zone: M7.7 Event

Railway Tunnel Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Railway Tunnel Damage (Surface)

- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

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Illinois Bus Facility Damage
New Madrid Seismic Zone: M7.7 Event

Bus Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Highly Unlikely
Unlikely
Moderate Likelihood
Likely
Certain

Impacted Counties Boundary
Bus Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Port Facility Damage
New Madrid Seismic Zone: M7.7 Event

Port Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Port Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

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Virginia Tech
Communication Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Communication Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Electric Facility Damage
New Madrid Seismic Zone: M7.7 Event

Electric Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Electric Outages (Percent Households without Service at Day 1)
- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

Mid-America Earthquake Center
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Institute for Crisis, Disaster and Risk Management
Illinois Natural Gas Facilities Damage
New Madrid Seismic Zone: M7.7 Event

Natural Gas Facilities Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Natural Gas Facilities Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

Impacted Counties Boundary
- Natural Gas Pipelines

Natural Gas Pipelines

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Illinois Waste Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Waste Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Number of Line Breaks and Leaks
- 1 - 50
- 51 - 150
- 151 - 500
- 501 - 1,000
- 1,001 - 2,050

Roads
- Interstates
- US Routes

Impacted Counties Boundary

Mid-America Earthquake Center
Illinois Potable Water Facilities Damage
New Madrid Seismic Zone: M7.7 Event

Potable Water Facility Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Number of Line Breaks and Leaks
- 1 - 50
- 51 - 150
- 151 - 500
- 501 - 1,000
- 1,001 - 2,600

Major Cities by Population
- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Potable Water Outages
New Madrid Seismic Zone: M7.7 Event

Potable Water Outages (Percent) in Critical Counties

0% - 20%
21% - 40%
41% - 60%
61% - 80%
81% - 100%

Statewide Potable Water Outages (Percent)

0% - 20%
21% - 40%
41% - 60%
61% - 80%
81% - 100%

Major Cities by Population

- 83,000 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads

- Interstates
- US Routes
Illinois Levee Damage
New Madrid Seismic Zone: M7.7 Event

Levee Damage of Critical Area (Points)
- Not Damaged
- Damaged

Major Cities by Population
- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Casualties at 2:00 AM
New Madrid Seismic Zone: M7.7 Event

Casualties at 2:00 AM in Critical Area
- 0 - 50
- 51 - 100
- 101 - 250
- 251 - 650
- 651 - 2,600

Major Cities by Population
- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Building Damage
New Madrid Seismic Zone: M7.7 Event

Building Damage - Percent of Critical Area
- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Impacted Counties Boundary

Building Damage - Percent (State)
- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Major Cities by Population
- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes
Illinois Building Asset Value Loss Ratio
New Madrid Seismic Zone: M7.7 Event

Building Asset Value Loss Ratio of Critical Area

- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Impacted Counties Boundary

Building Asset Value Loss Ratio (State)

- 0% - 20%
- 21% - 40%
- 41% - 60%
- 61% - 80%
- 81% - 100%

Major Cities by Population

- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads

- Interstates
- US Routes

Mid-America Earthquake Center
Virginia Tech
Institute for Crisis, Disaster and Risk Management
THE GEORGE WASHINGTON UNIVERSITY
Illinois Total Debris
New Madrid Seismic Zone: M7.7 Event

Total Debris - thousand tons of Critical Area
- 0 - 20
- 21 - 50
- 51 - 100
- 101 - 300
- 301 - 1,000

Impacted Counties Boundary

Total Debris - thousand tons (State)
- 0 - 20
- 21 - 50
- 51 - 100
- 101 - 300
- 301 - 1,000

Major Cities by Population
- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads
- Interstates
- US Routes

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The George Washington University
Illinois Liquefaction Susceptibility
New Madrid Seismic Zone: M7.7 Event

Liquefaction Susceptibility in Critical Counties

- None
- Very Low
- Low
- Moderate
- High
- Very High

Impacted Counties Boundary

Liquefaction Susceptibility (State)

- None
- Very Low
- Low
- Moderate
- High
- Very High

Major Cities by Population

- 83,105 - 106,000
- 106,001 - 143,000
- 143,001 - 2,732,000

Roads

- Interstates
- US Routes
Indiana Hospitals Damage
New Madrid Seismic Zone: M7.7 Event

Hospital Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Hospital Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes

Mid-America Earthquake Center
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Indiana Fire Stations Damage
New Madrid Seismic Zone: M7.7 Event

Fire Stations Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Fire Stations Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes

Mid-America Earthquake Center
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Indiana Emergency Operation Center Damage
New Madrid Seismic Zone: M7.7 Event

Emergency Operation Center Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Emergency Operation Center Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes
Indiana Schools Damage
New Madrid Seismic Zone: M7.7 Event

Schools Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major IN Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes

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Indiana Airport Facility Damage
New Madrid Seismic Zone: M7.7 Event

Airport Facilities Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Airport Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- US Routes
- Interstates

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The George Washington University
Indiana Highway Bridge Damage
New Madrid Seismic Zone: M7.7 Event

Highway Bridge Damage of Critical Area (Points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Highway Bridge Damage (Surface)

Impacted Counties Boundary

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes
Indiana Railway Bridges Damage
New Madrid Seismic Zone: M7.7 Event

Railway Bridges Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Railway Bridges Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes

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Indiana Railway Facilities Damage
New Madrid Seismic Zone: M7.7 Event

Railway Facilities Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Railway Facilities Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes
Indiana Railway Tunnels Damage
New Madrid Seismic Zone: M7.7 Event

Railway Tunnels Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Railway Tunnels Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain
- No Inventory

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes
Indiana Port Facilities Damage
New Madrid Seismic Zone: M7.7 Event

Port Facilities Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes
Indiana Communication Facility Damage
New Madrid Seismic Zone: M7.7 Event

Communication Facilities Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary

Communication Facility Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- US Routes
- Interstates
Indiana Natural Gas Facilities Damage
New Madrid Seismic Zone: M7.7 Event

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- US Routes
- Interstates

Natural Gas Facilities Damage of Critical Counties (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Natural Gas Facilities Damage (Surface)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Impacted Counties Boundary
Natural Gas Pipelines
Indiana Waste Water Facility Damage
New Madrid Seismic Zone: M7.7 Event

Waste Water Facility Damage of Critical Area (points)
- Highly Unlikely
- Unlikely
- Moderate Likelihood
- Likely
- Certain

Number of Line Breaks & Leaks
- 0-10
- 11-20
- 21-70
- 71-200
- 201-700

Major Cities by Population
- 60,000 - 83,000
- 83,001 - 184,000
- 184,001 - 753,000

Roads
- Interstates
- US Routes