





MISSOURI STATE EMERGENCY MANAGEMENT AGENCY

STATE WATCH CENTER Current Conditions

Last Update 07:51 3/12/2024

www.sema.dps.mo.gov

 @MoSEMA_
 MissouriSEMA

Email: MOSEMA@sema.dps.mo.gov

Phone: 573-526-9100

Toll-Free: 800-298-6289

Daily Weather Situational Awareness Report



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The SEMA Watch Center is monitoring current weather threats for Missouri.

Status: YELLOW

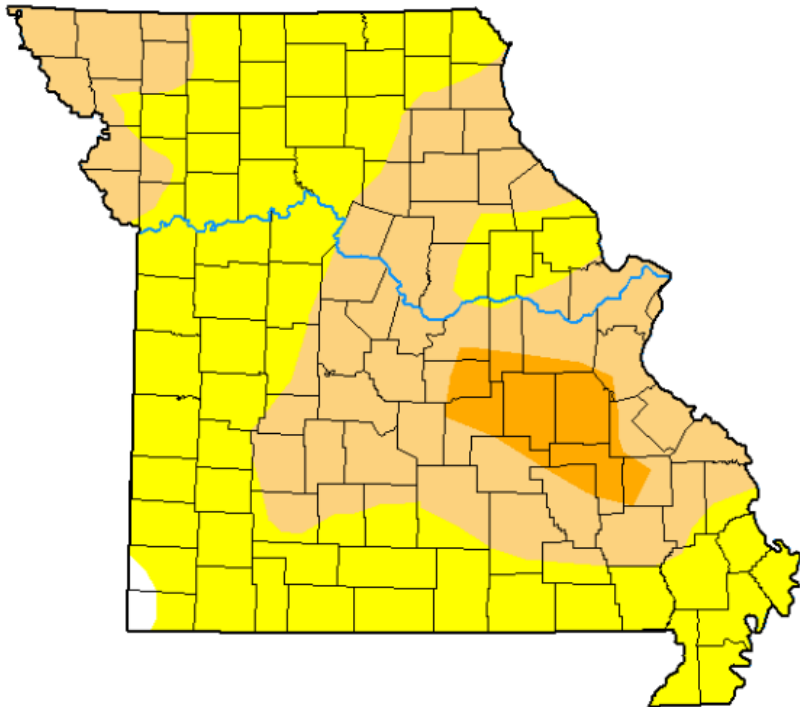
DROUGHT MONITOR



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U.S. Drought Monitor Missouri

March 5, 2024
(Released Thursday, Mar. 7, 2024)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.51	99.49	45.63	5.53	0.00	0.00
Last Week 02-27-2024	14.44	85.56	33.76	0.00	0.00	0.00
3 Months Ago 12-05-2023	8.12	91.88	68.26	24.68	0.97	0.00
Start of Calendar Year 01-02-2024	6.73	93.27	71.50	30.45	1.09	0.00
Start of Water Year 09-26-2023	18.08	81.92	54.87	27.22	9.04	0.00
One Year Ago 03-07-2023	96.92	3.08	0.22	0.00	0.00	0.00

Intensity:

- None
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Curtis Riganti
National Drought Mitigation Center



droughtmonitor.unl.edu

Daily Weather Situational Awareness Report



Local Burn Ban Considerations

Source: Division of Fire Safety



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County

For a County Commission, Section 49.266, RSMo, states a County Commission may enact a burn ban:

- Upon a determination by the State Fire Marshal that a burn ban order is appropriate because:
 - An actual or impending occurrence of a natural disaster of major proportions within the county jeopardizes the safety and welfare of the inhabitants of such county; and
 - The U.S. Drought Monitor has designated the county as an area of severe, extreme, or exceptional drought, the county commission may adopt an order or ordinance issuing a burn ban, which may carry a penalty of up to a class A misdemeanor. State agencies responsible for fire management or suppression activities and persons conducting agricultural burning using best management practices shall not be subject to the provisions of this subsection. The ability of an individual, organization, or corporation to sell fireworks shall not be affected by the issuance of a burn ban. The county burn ban may prohibit the explosion or ignition of any missile or skyrocket as the terms "missile" and "skyrocket" are defined by the 2012 edition of the American Fireworks Standards Laboratory, but shall not ban the explosion or ignition of any other consumer fireworks as the term "consumer fireworks" is defined under section 320.106.
- *(FYI: The US Drought Monitor is updated every Thursday morning. The Missouri map and data can be found at this link: <https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?MO>*

Daily Weather Situational Awareness Report



Local Burn Ban Considerations

Source: Division of Fire Safety



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Tax Based Fire Protection Districts: As defined in section [321.010](#), RSMo, may consider enacting a burn ban under the powers of the board, pursuant to RSMo [321.220\(12\)](#).

Municipalities: May consider enacting a burn ban under applicable laws, including their local charters and chapters 71 through 100, RSMo.

Volunteer Fire Protection Associations: Should work with their county commissioners to enact a burn ban on their behalf, pursuant to section 49.266, RSMo.

ANY department may issue an advisory for general public awareness/education and make recommendations on open burning, fireworks, etc., when and how they see fit.

In ALL cases, the Division of Fire Safety recommends that you work closely with appropriate prosecuting attorneys so any ban is enforced and supported. If you have questions regarding your ability to enact a burn ban or the procedure to do so, we encourage you to contact your local counsel, such as your city attorney or prosecuting attorney.

For any questions or concerns, please contact the Division of Fire Safety at: firesafe@dfs.dps.mo.gov.

Water & Wastewater Systems Cybersecurity



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Source: CISA at: [Recent Hacks on US Water and Wastewater Systems & CISA Services](#)

Cyber Criminal Goals

- Disrupt treatment/conveyance processes by opening and closing valves, overriding alarms or disabling pumps or other equipment
- Deface the utility's website or compromise the email system
- Steal customers' personal data or credit card information from the utility's billing system
- Install malicious programs like ransomware, which can disable business enterprise or process control operations
- Compromise the ability of water and wastewater utilities to provide clean and safe water to customers, erode customer confidence, and result in financial and legal liabilities

Best Practices and Mitigation Strategies for Current Threat

- Change all default passwords; use a strong password
- Require Multifactor authentication
- Disconnect the PLC from the open internet
- Implement a Firewall/VPN
- Implement an Allowlist for IP access

For a complete list of Best Practices, visit the CISA website through the link listed above.



Water & Wastewater Systems Cybersecurity




Source: CRI at: [Phased Critical Infrastructure Pilot: Resiliency for Water Utilities](#)

Cyber Readiness Program


The Cyber Readiness Program guides small and medium-sized enterprises to become cyber ready. Completing this free Program will make your organization safer, more secure, and stronger against cyber threats.

Benefits of the Cyber Readiness Program


The Cyber Readiness Program is designed to be clear and accessible for SMEs regardless of size, technical expertise, and industry sector. Designed in collaboration with cyber experts from leading organizations, the program focuses on human behavior. The program helps a designated Cyber Leader develop and implement cyber readiness policies throughout the organization. From checklists to policy templates and training materials, Cyber Leaders have everything they need to engage their workforce and build a cyber ready organization. The Program only requires a few short weeks and very minimal technical expertise to complete.




Requires ~1 hour per week for 6 weeks



Proceed at your own pace



Requires only basic computer knowledge



Certificates upon completion



Water & Wastewater Systems Cybersecurity

Source: HSAC at: [RAND State and Local Cybersecurity Grant Study](#)



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State and Local Cybersecurity Grant Program Risk Study Purpose

The Infrastructure Investment and Jobs Act (IIJA) established the State and Local Cybersecurity Grant Program to address cybersecurity risks and threats to information systems owned or operated by, or on behalf of, state, local, tribal, and territorial (SLTT) governments. The Department of Homeland Security must allocate grants in accordance with a legislatively mandated formula involving both a fixed and a population-based apportionment to state and Tribal governments. The IIJA also directed the Cybersecurity and Infrastructure Agency (CISA) to submit to Congress a study on the potential use of a risk-based formula for apportionment for Fiscal Year 2026.

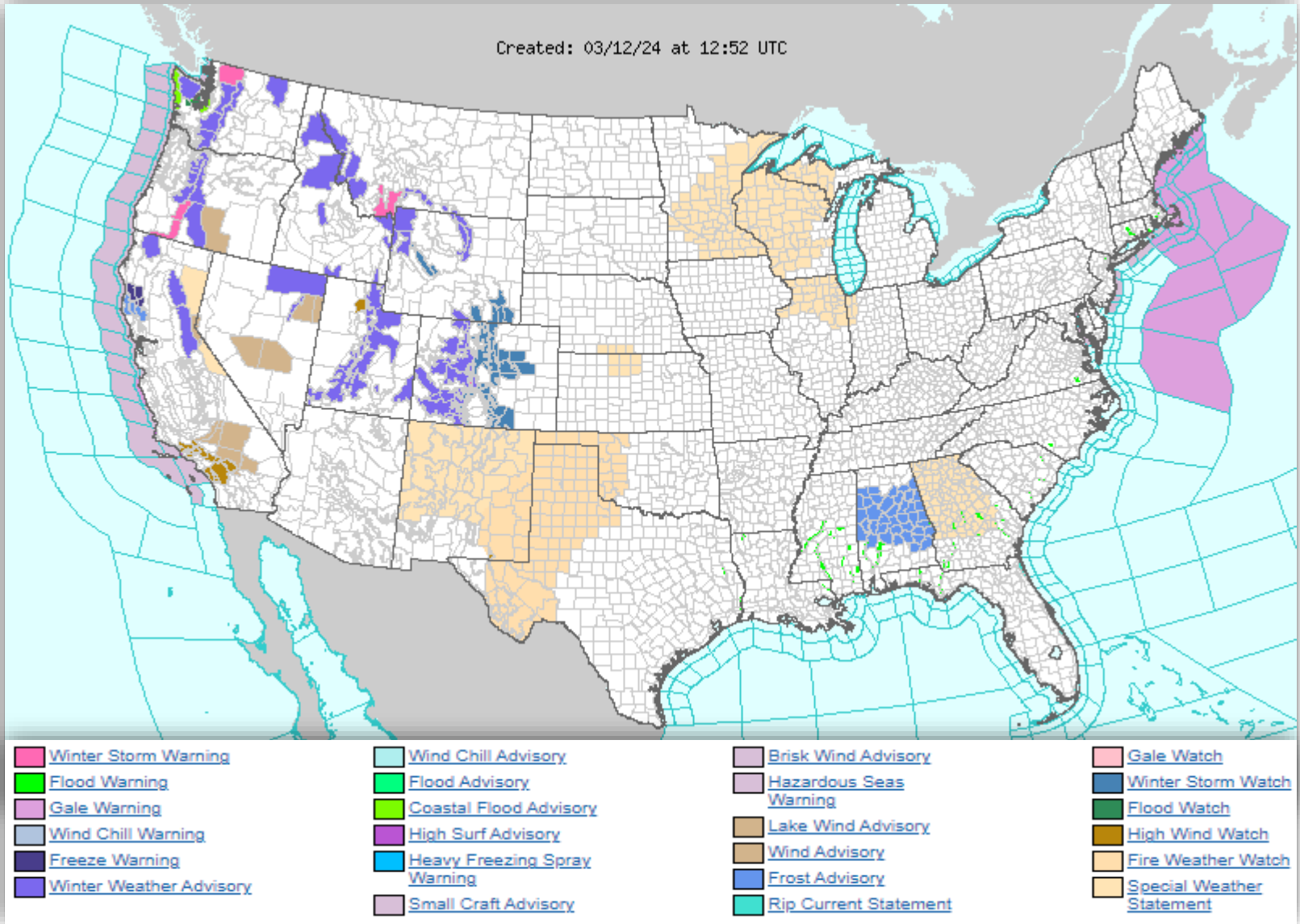
Your Role

Participation in this study is completely voluntary. We hope to learn about the current approaches and capabilities of SLTT governments related to cybersecurity grant allocation, cybersecurity risk assessment, and cybersecurity data collection. Our study also seeks to identify potential components that could be included in a risk-based formula as well as advantages, disadvantages, and any obstacles to implementing a risk-based formula.

NATIONAL WATCHES, WARNINGS, & ADVISORIES



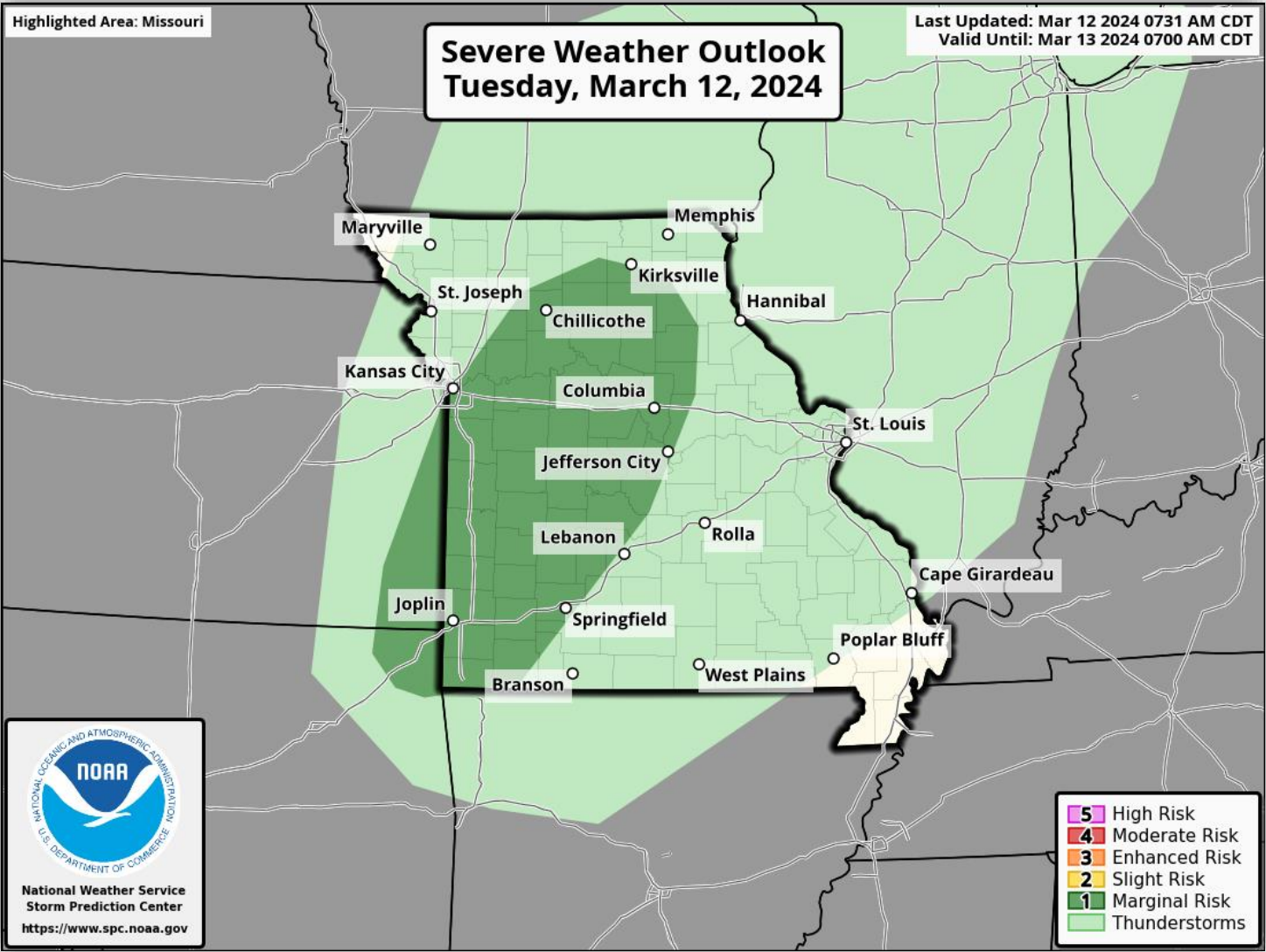
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STATE THUNDERSTORM OUTLOOK



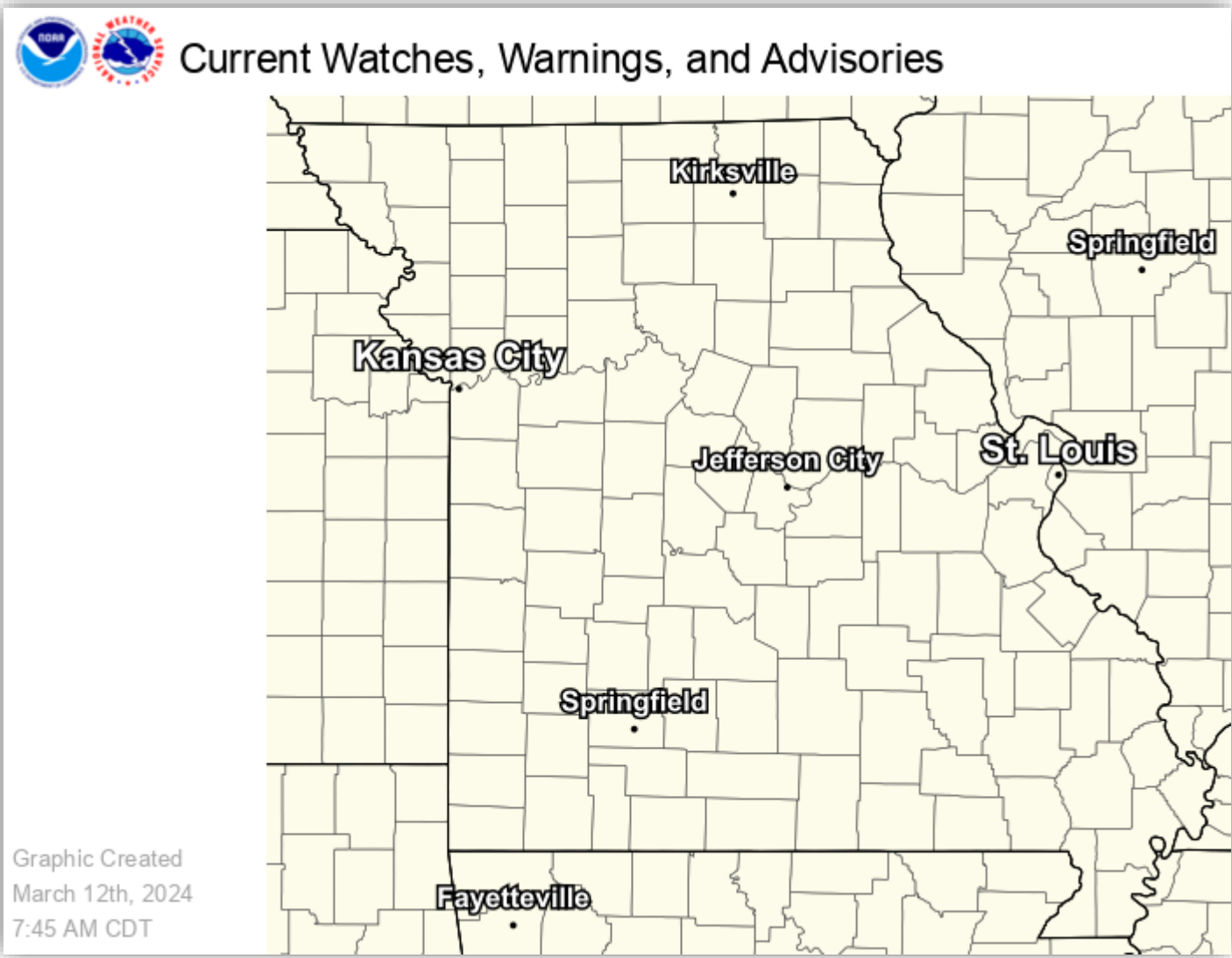
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STATE WATCHES, WARNINGS, & ADVISORIES



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Hazardous Weather Outlook

- **Springfield:** Limited hail risk.
- Limited thunderstorm wind damage risk.
- Limited lightning risk.
- Limited non thunderstorm wind risk.
- Elevated fire weather risk.
- Gusty winds up to 30 to 40 mph will occur today west of Highway 65. East of highway 65 gusts of 20 to 30 mph will occur at times. A drier air mass will also remain in place across the eastern Missouri Ozarks where elevated fire weather conditions will again occur.
- Scattered storms are expected to develop across portions of extreme southeastern Kansas and far western Missouri late this afternoon then move east across the area this evening. A few strong to severe storms with hail up to quarters will be possible with the strongest storms west of Highway 65. Localized damaging wind gusts could also occur with a few of the storms.
- **Kansas City:** Rain showers and thunderstorms are possible late this evening. A few strong to isolated severe storms are possible.
- **St. Louis:** There is a chance of thunderstorms tonight.

Days Two Through Seven

- **Springfield:** Additional showers and thunderstorms will again be possible late Wednesday afternoon into the overnight hours. A few strong to severe storms are possible with hail being the main risk. The overall better severe potential looks to remain just northwest of the area on Wednesday.
- A cold front will move through the area Thursday afternoon into early Friday morning. Additional storms will develop along the front and there will be the potential for strong storms with large hail the main risk. Locally heavy rainfall will also occur and could lead to a localized flooding risk mainly across far southern Missouri Thursday evening and night. The highest chance for showers and thunderstorms will be Thursday evening into the overnight hours.
- **Kansas City:** There is a slight risk for severe storms across portions of the area Wednesday and Thursday.
- **St. Louis:** There is a chance of thunderstorms from Wednesday into Thursday night. A few of the storms on Wednesday evening and again on Thursday afternoon and evening could be severe.

Watches, Warnings & Advisories

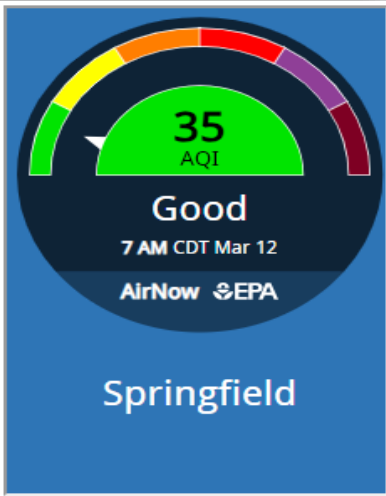
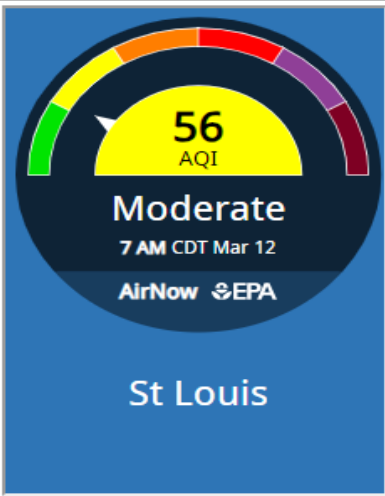
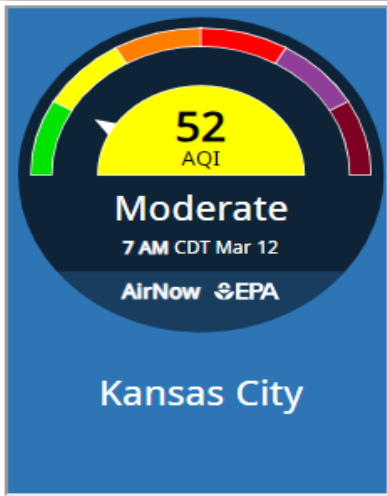
- There are no Watches, Warnings, or Advisories across Missouri today.
- SEMA continues to monitor the Drought in effect for Missouri.

CURRENT AIR QUALITY REPORT

Source: [Current Air Quality | Missouri Department of Natural Resources \(mo.gov\)](https://www.mo.gov/air-quality)



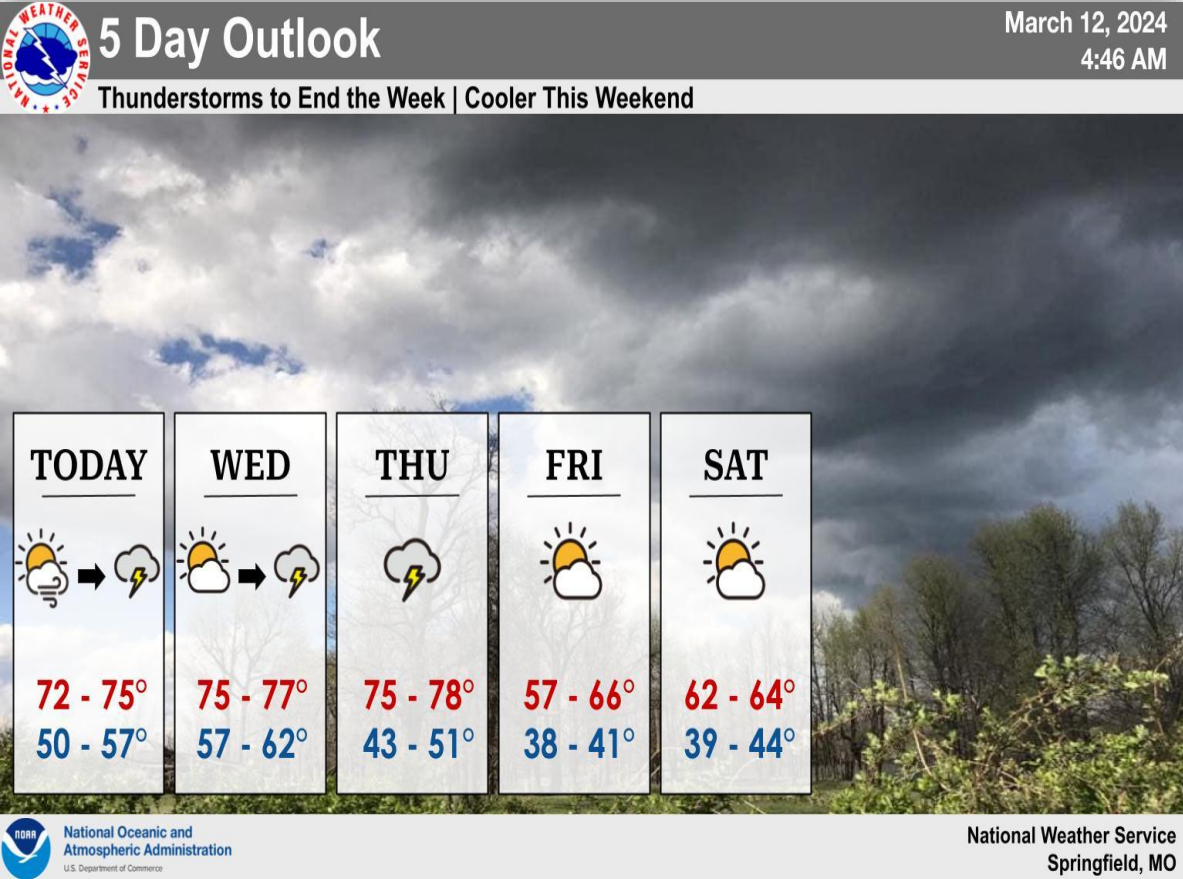
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Air Quality Index	Level of Concern	Index Values	Description of Air Quality
Green	Good	0 to 50	Air quality is satisfactory, and air pollution poses little or no risk.
Yellow	Moderate	51 to 100	Air quality is acceptable. However, there may be a risk for some people, particularly those who are unusually sensitive to air pollution.
Orange	Unhealthy for Sensitive Group	101 to 150	Members of sensitive groups may experience health effects. The general public is less likely to be affected.
Red	Unhealthy	151 to 200	Some members of the general public may experience health effects; members of sensitive groups may experience more serious health effects.
Purple	Very Unhealthy	201 to 300	Health alert: The risk of health effects is increased for everyone.
Maroon	Hazardous	301 or higher	Health warning of emergency conditions: everyone is more likely to be affected.

WEATHER STORY

NWS Springfield

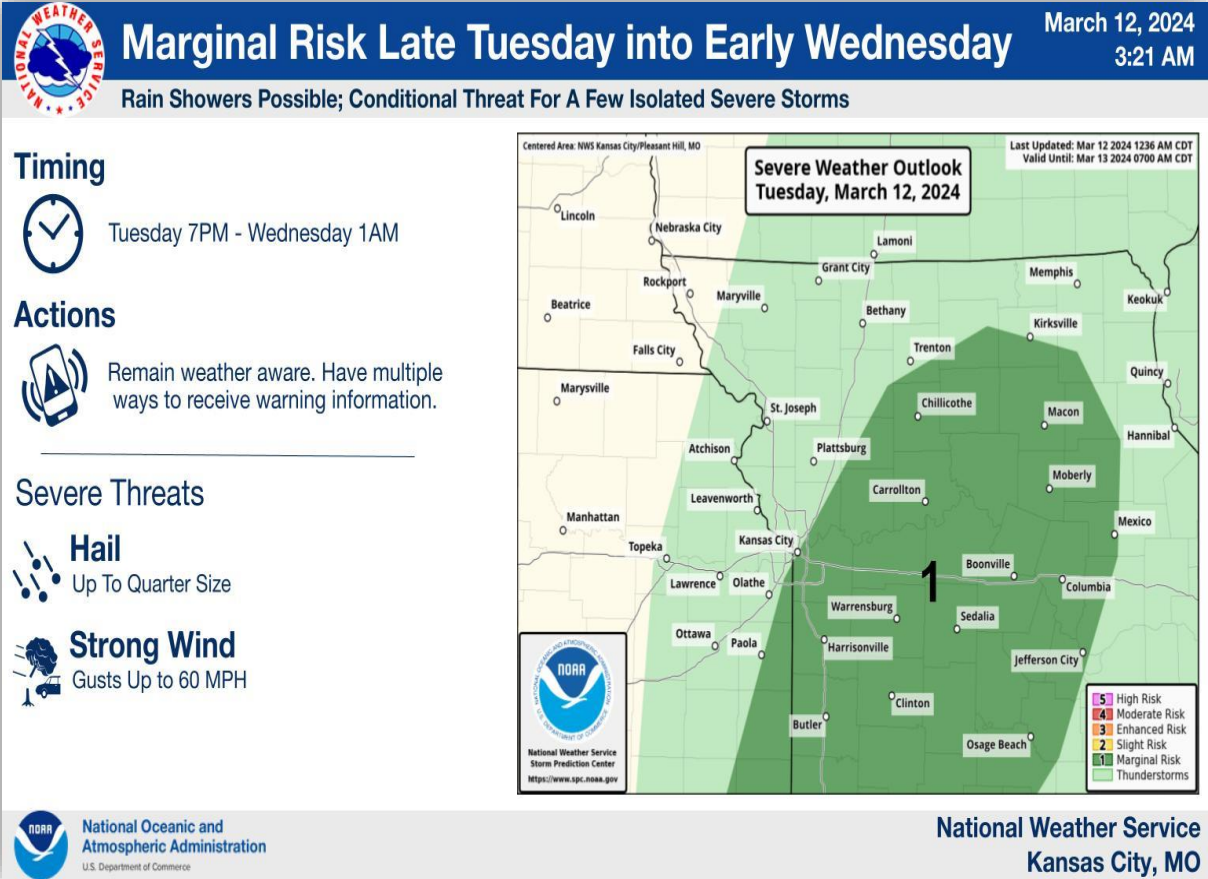


Thunderstorms to end the week with highs 10 to 15 degrees above normal through Thursday. Then, cooler this weekend with partly cloudy skies and highs in the 50s and 60s.



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NWS Kansas City



Rain showers are possible late Tuesday into early Wednesday. If storms develop, a few isolated strong to low-end severe storms are possible.

WEATHER STORY

NWS St. Louis



NWS
St. Louis

03/12/2024
4:50 AM
weather.gov/lx
@NWSStLouis



Warm w/ Chance of Showers & T-Storms Through Thursday

High Temperatures in the 70s°F Today–Thursday
15–25°F Above Average

Opportunities for Showers & Thunderstorms Tonight–Thursday Night, Dry Most of the Time
Greatest Chances (60–80%) Wednesday Evening through Thursday Night
with a Few Thunderstorms Becoming Severe:
 Large Hail Damaging Winds (THU) Isolated Tornado (THU)

Warm conditions will persist through Thursday along with opportunities for showers and thunderstorms tonight through Thursday night, although most of the time will be dry. The greatest chances of showers and thunderstorms is Wednesday evening through Thursday night with a few thunderstorms also becoming severe.



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NWS Paducah



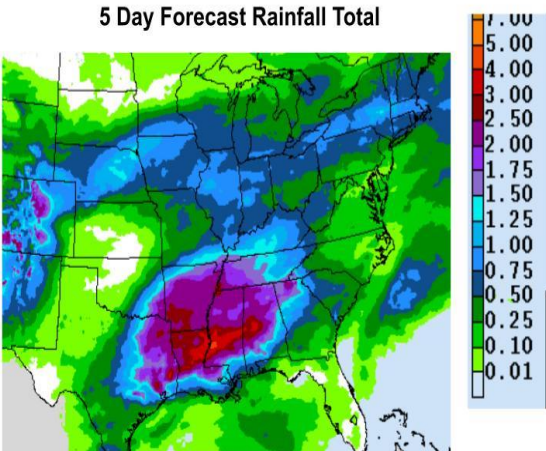
Wet/Stormy Weather Arrives Wed - Fri

March 12, 2024
3:50 AM

Probability of Precipitation Forecast

	3/13 Wed				3/14 Thu				3/15 Fri				3/16 Sat			
	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm	12am	6am	12pm	6pm
Cape Girardeau	15	15	5	15	25	35	40	60	70	70	20	5	5	5	5	10
Carbondale	25	20	10	25	35	40	50	70	75	75	20	5	5	5	5	10
Evansville	30	30	10	20	30	50	50	50	70	70	35	10	5	5	5	5
Henderson	30	30	10	20	30	50	50	50	70	70	40	10	5	5	5	5
Hopkinsville	10	20	20	10	20	35	35	35	75	75	60	25	10	10	10	10
Madisonville	15	15	15	15	25	45	45	40	70	70	50	20	5	5	5	10
Marion	20	20	10	25	35	45	50	65	75	75	25	5	5	5	5	10
Mount Vernon	30	25	5	30	45	50	50	70	70	65	15	0	5	5	5	5
Murray	5	15	15	10	20	40	40	40	75	75	55	15	10	10	10	15
Owensboro	25	25	15	20	30	50	50	45	70	70	50	20	5	5	5	5
Paducah	10	10	10	10	20	45	45	50	75	75	40	10	10	10	5	10
Poplar Bluff	10	5	5	10	30	30	45	70	80	80	20	10	10	10	5	15

*Table values in % Don't see your city? Check out weather.gov/forecastpoints



Key Messages

- Warming trend continues this week, pushing highs into the mid-70s midweek. A cold front will drop temperatures into the 60s for Friday and into the weekend.
- Winds will gust to 30 to 40 mph ahead of the cold front on Thursday with widespread showers and storms.
- A few strong storms possible Thursday and rainfall totals may reach or exceed an inch by Friday afternoon!

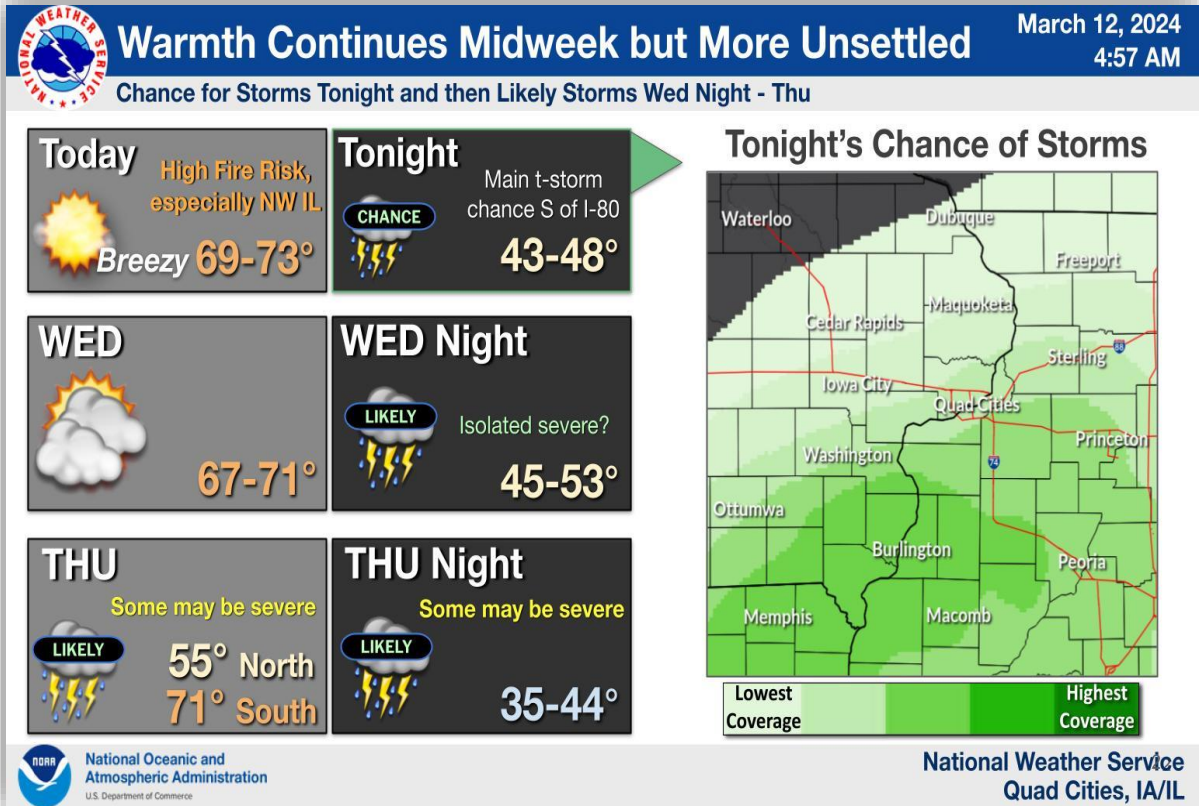


National Weather Service
Paducah, KY

Southerly winds will steadily increase throughout the week with gusts as high as 30 to 40 mph Thursday, ahead of a cold front. The chance for showers and storms will also increase Thursday into Friday with heavy rain and a few strong storms possible.

WEATHER STORY

NWS Quad Cities, IA/IL

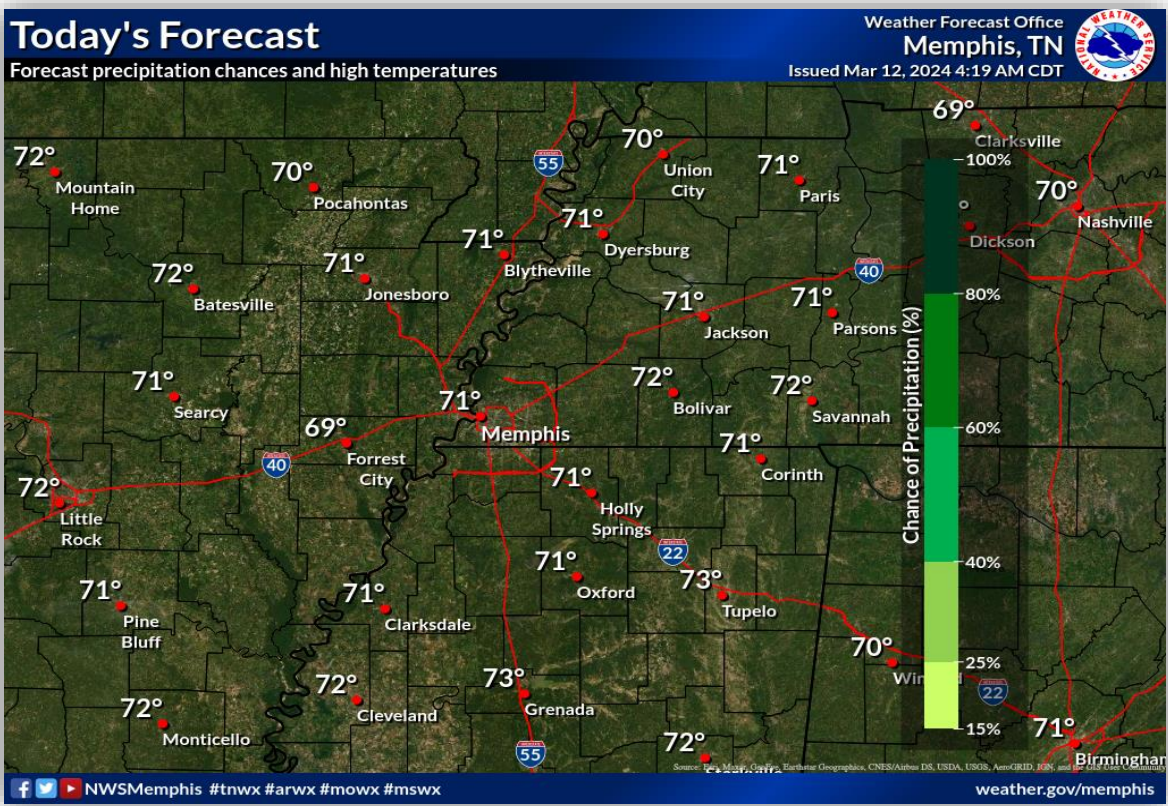


If you have enjoyed the early season warmth so far, more is on the way these next couple days. Southwest winds gusting 20 to 30 mph today will provide a high fire risk, mainly for northwest Illinois where the winds will persist the longest and humidity will be slightly lower. The pattern starts to become unsettled tonight, with the chance for thunderstorms increasing south of I-80. A few of these may produce small hail. More rounds of thunderstorms are probable Wednesday night and Thursday, with a pattern favorable for severe storm potential, especially on Thursday. Cooler, much more seasonable weather is expected just beyond the time frame shown on this graphic.



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NWS Memphis



Mild and sunny today with highs in the low to mid 70s.

MISSOURI DEPARTMENT OF TRANSPORTATION

Current Road Conditions as of: 0747 hours 3/12/2024



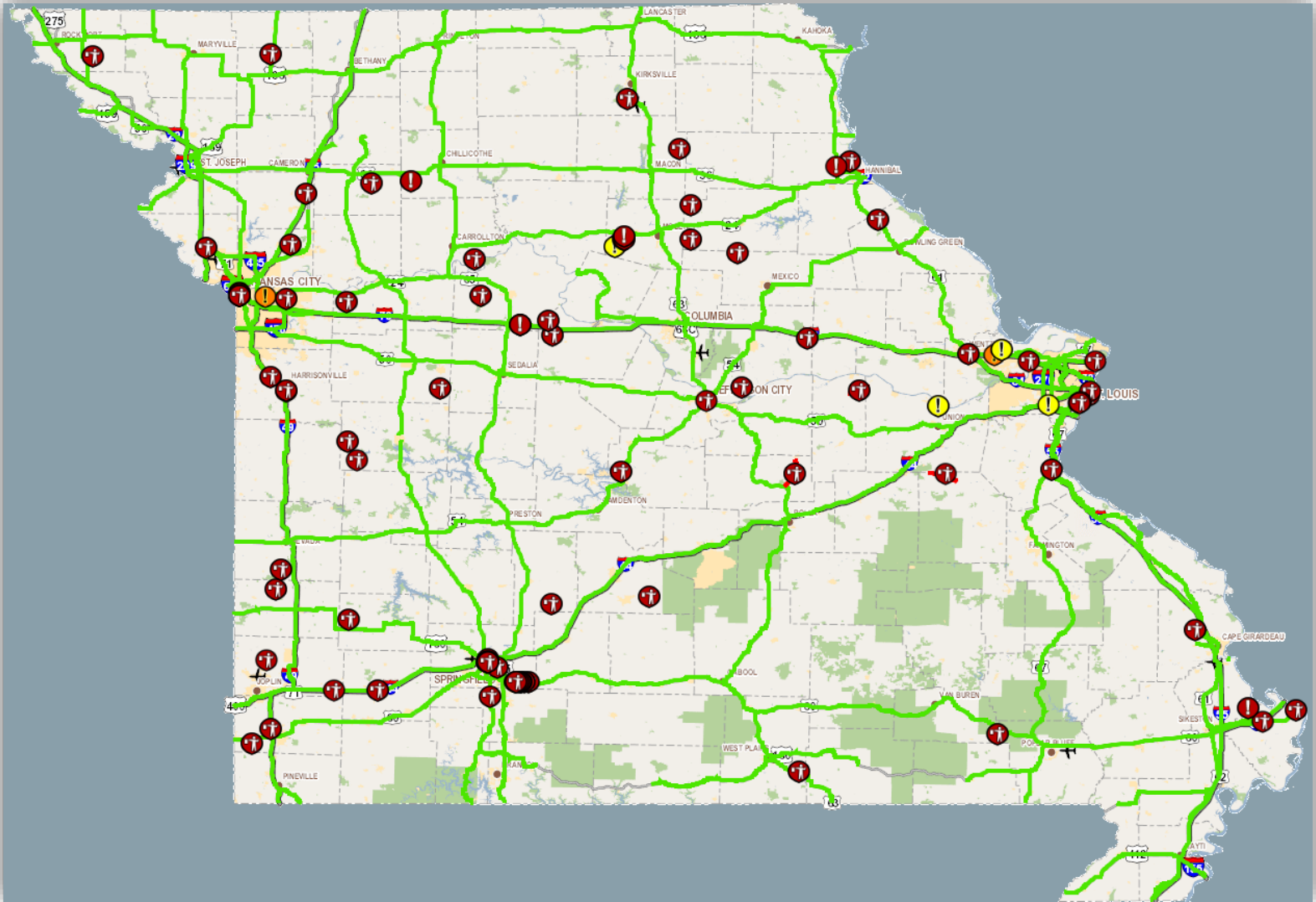
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Incident
☒ Closed
☒ Expect Delays
☒ Possible Delays

Flooding
☒ Closed
☐ Expect Delays

Work Zone
☒ Closed
☐ Expect Delays
☐ Possible Delays
☐ Future Work

Planned Event
☒ Closed
☐ Expect Delays
☐ Possible Delays



Winter Weather
☒ Closed
☒ **Road Conditions**
 Closed
 Covered
 Partly Covered
 Mostly Clear
 Clear

Traffic
Traffic Bypass Route
(Does Not Apply to OSOW)
 Bypass Route
☐ **Real-time Traffic**
 Slow
 Medium
 Normal
☐ Traffic Camera

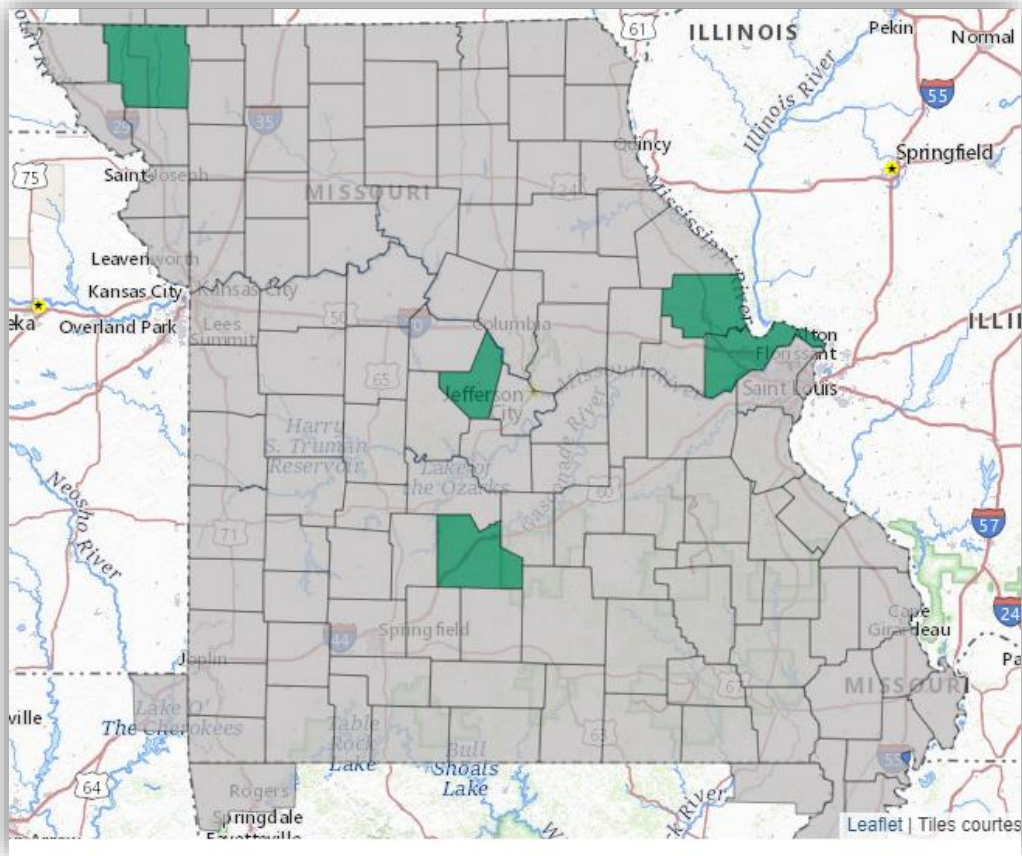
ELECTRIC COOPERATIVE OUTAGES

As of 0747 hours 3/12/2024



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Cooperative	Outages	Cooperative	Outages	Cooperative	Outages
Atchison-Holt		Grundy		Platte-Clay	
Barry		Howard		Ralls Co	
Barton Co		Howell-Oregon		Sac Osage	
Black River		Intercounty		Se-Ma-No	
Boone		Laclede	1	SEMO	
Callaway		Lewis Co		Southwest	
Central MO		Macon		Three Rivers	
Citizens		Missouri Rural		Tri County	
Co-Mo	1	N Central Mo		United	1
Consolidated		New-Mac		Webster	
Crawford		Osage Valley		West Central	
Cuivre River	2	Ozark Border		White River Valley	
Farmers		Ozark Electric			
Gascosage		Pemiscot-Dunklin			



ELECTRIC SYSTEM OUTAGES

As of 0748 hours 3/12/2024



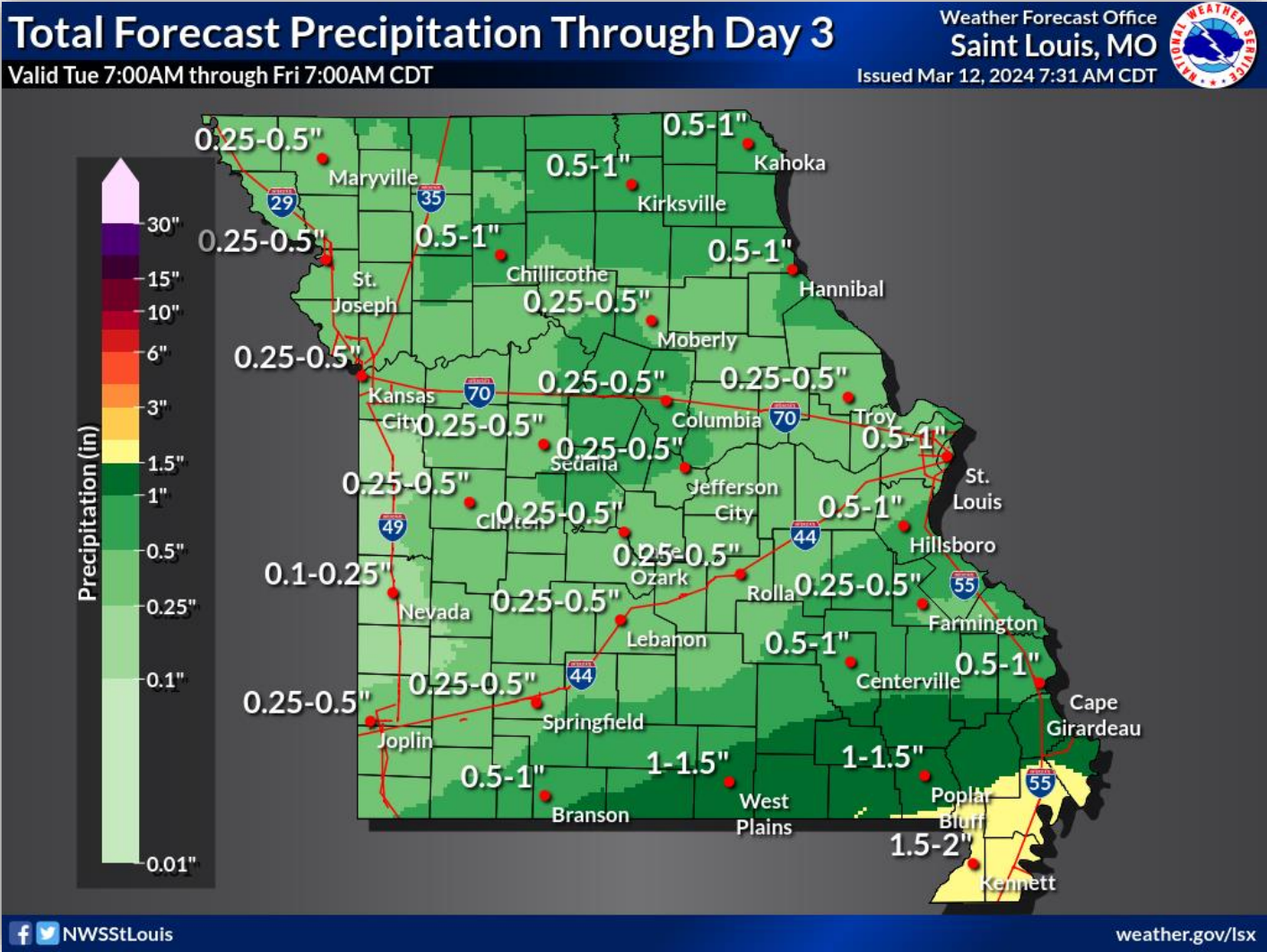
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System	Outages	Customers
AmerenUE https://outagemap.ameren.com/	87	1,218,131
City of Columbia https://experience.arcgis.com/experience/cc2a91d460b940e89ba1f408471eda53	0	50,900
Liberty Utilities https://myaccountcentral.libertyenergyandwater.com/portal/outeroutage.aspx	0	173,983
Greater KCMO Evergy https://outagemap.evergy.com/	6	1,670,319
City of Springfield https://myaccount.cityutilities.net/portal/outeroutage.aspx	0	111,000

POTENTIAL RAINFALL



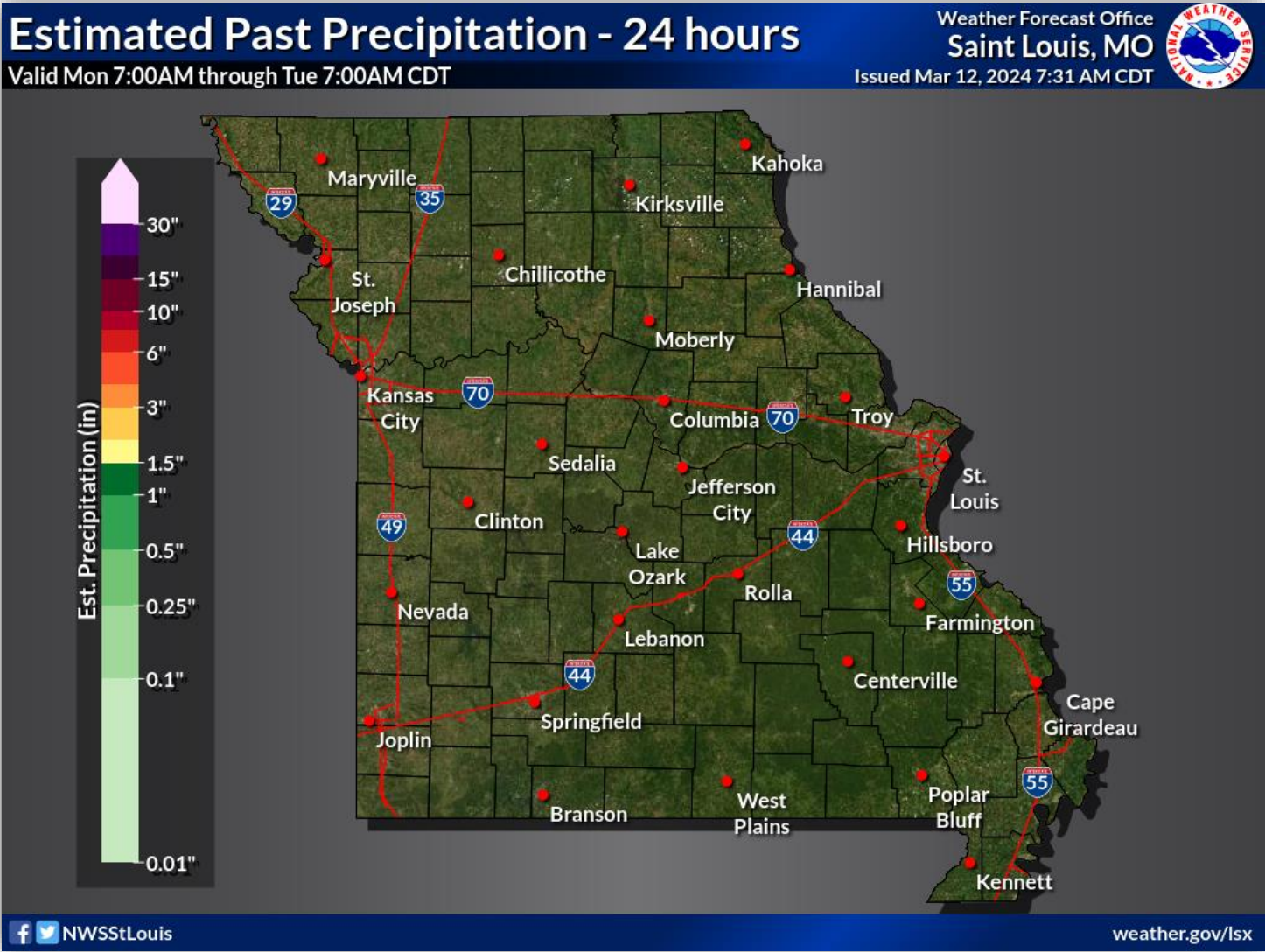
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PRECIPITATION - LAST 24 HOURS



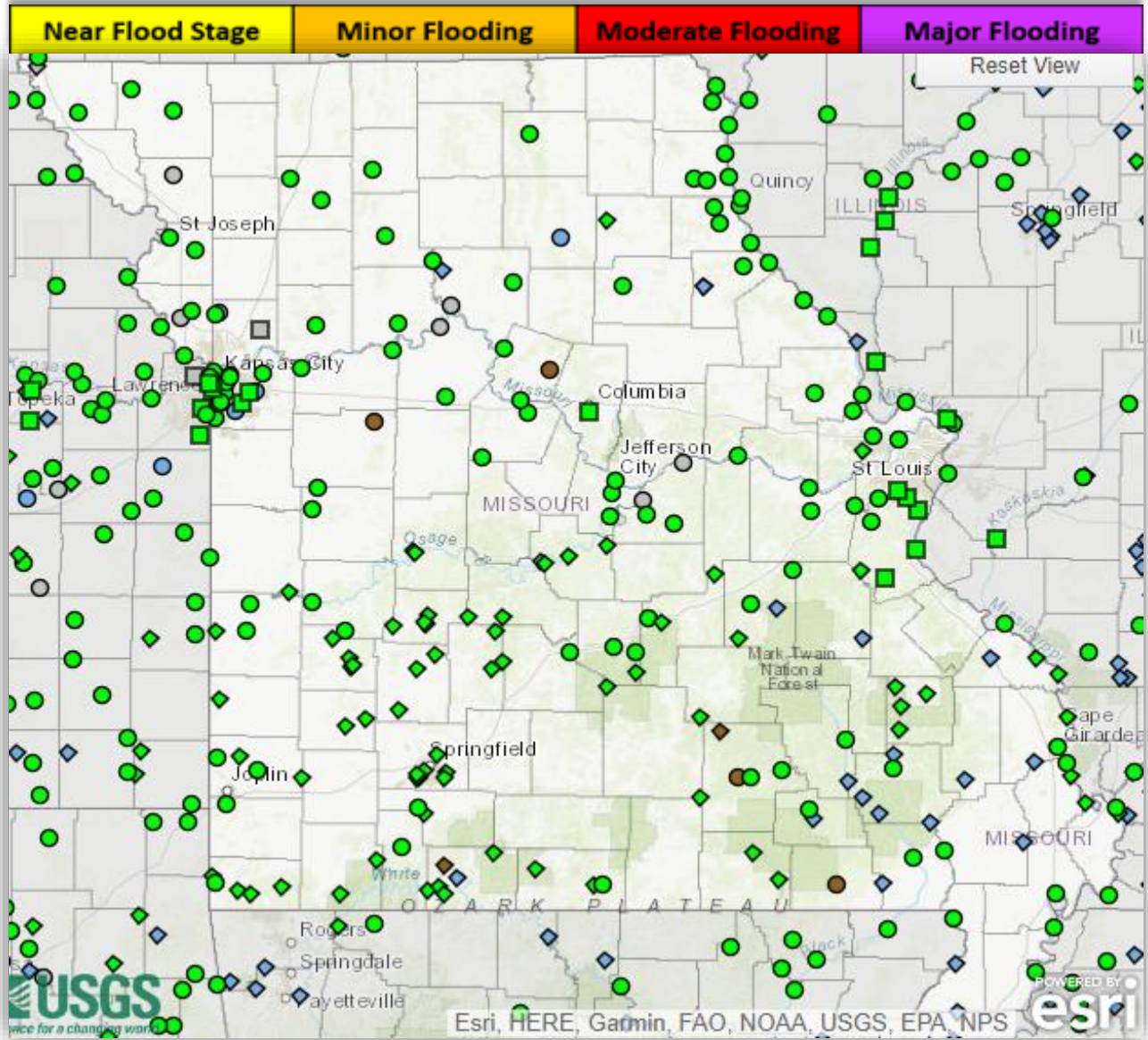
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CURRENT FLOODING – NEAR OR ABOVE FLOOD STAGE



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Most Recent Flood Details:

No Major Flooding.

No Moderate Flooding.

FLOODING FORECAST – 10 DAY

Current warnings can be viewed at:
<https://alerts.weather.gov/cap/mo.php?x=1>

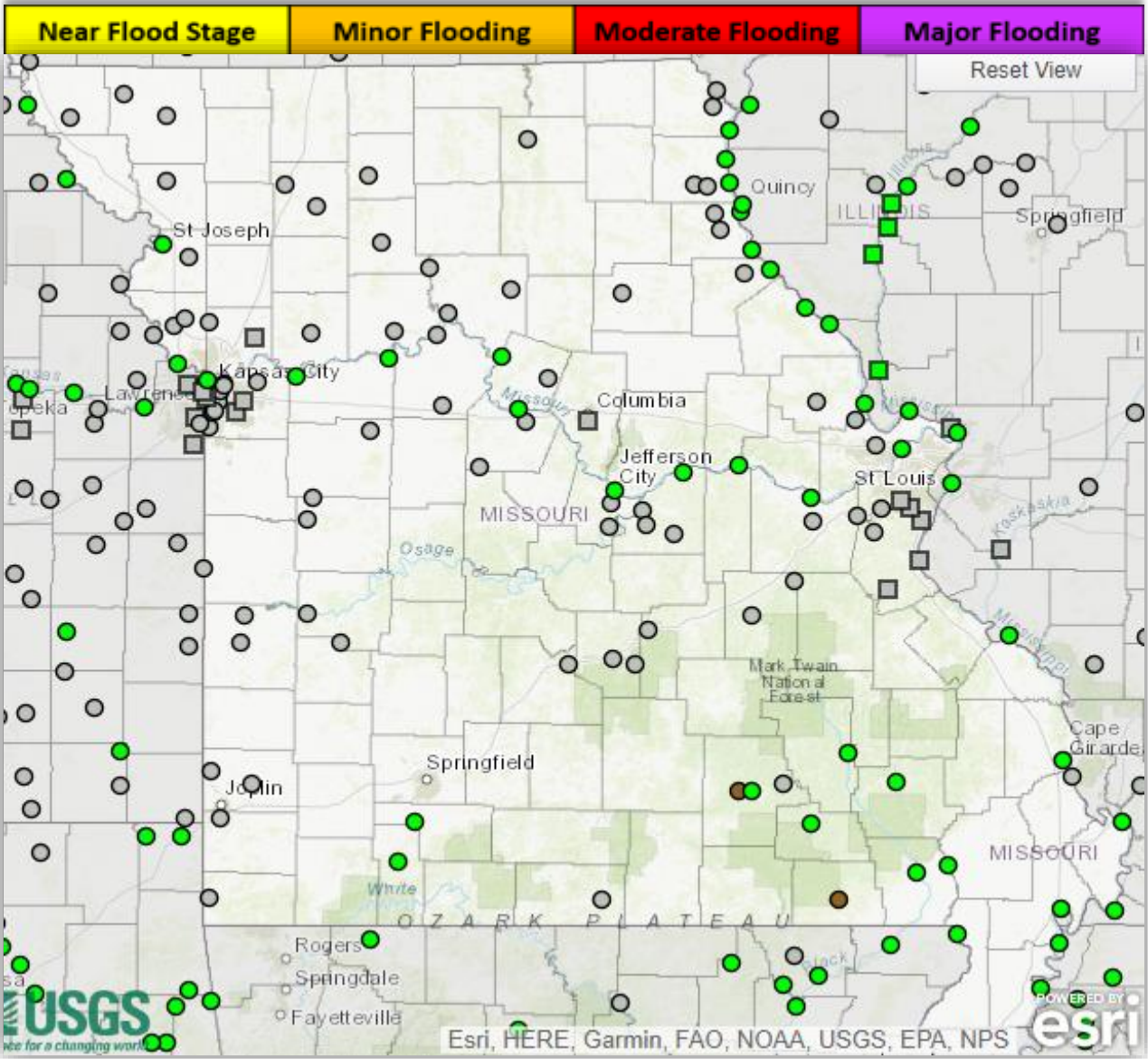


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Most Recent Flood Details:

No Major Flooding.

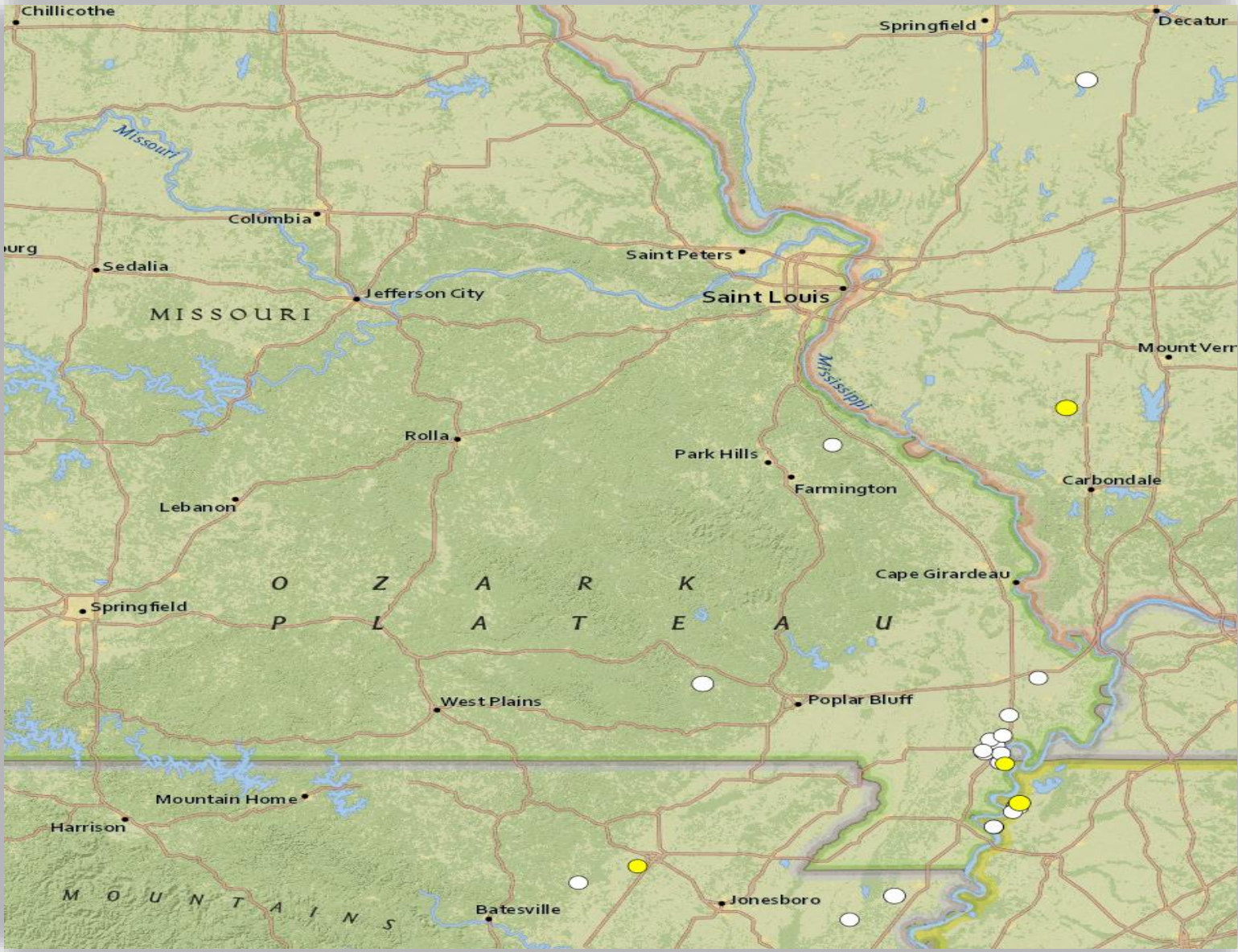
No Moderate Flooding.



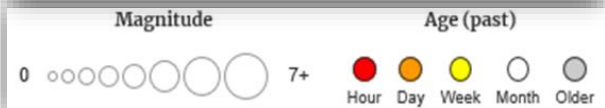
MISSOURI RECENT EARTHQUAKES – Last 30 Days



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1.6	5 km SE of Marston, Missouri	2024-03-11 06:23:34 (UTC)	9.0 km
2.0	4 km NNW of Minturn, Arkans...	2024-03-08 10:37:46 (UTC)	4.4 km
2.4	4 km NNW of Ridgely, Tennes...	2024-03-05 23:14:29 (UTC)	8.0 km
2.5	6 km ENE of Pinckneyville, Illi...	2024-03-05 16:34:45 (UTC)	16.9 km
1.5	4 km NW of Marston, Missouri	2024-03-05 06:14:26 (UTC)	12.9 km
1.3	4 km E of Caruthersville, Miss...	2024-03-04 03:48:37 (UTC)	5.4 km
1.7	3 km ENE of Marston, Missouri	2024-03-03 17:49:20 (UTC)	8.2 km



MO Department of Agriculture on Avian Influenza



Highly Pathogenic Avian Influenza Confirmed in Missouri Poultry Flock

MO has seen two cases this fall:

Benton County, commercial broiler chickens, confirmed November 6, 2023.

Jasper County, commercial turkeys, confirmed November 14, 2023.

All poultry producers are encouraged to tighten their biosecurity practices around the farm. Producers should prevent contact between their birds and wild birds; report sick birds or unusual increase in death loss to a local veterinarian.

Click on the link to access the Biosecurity Guidelines →



Contact the MDA Animal Health Division to report sick birds at (573) 751-3377.

Visit this website for more information on Avian Flu; Click on the flyer link for a complete list of Biosecurity Guidelines:
<https://agriculture.mo.gov/avian-influenza.php>

Missouri Department of Health and Senior Services (DHSS)

Coronavirus Disease 2019 (COVID-19) Information



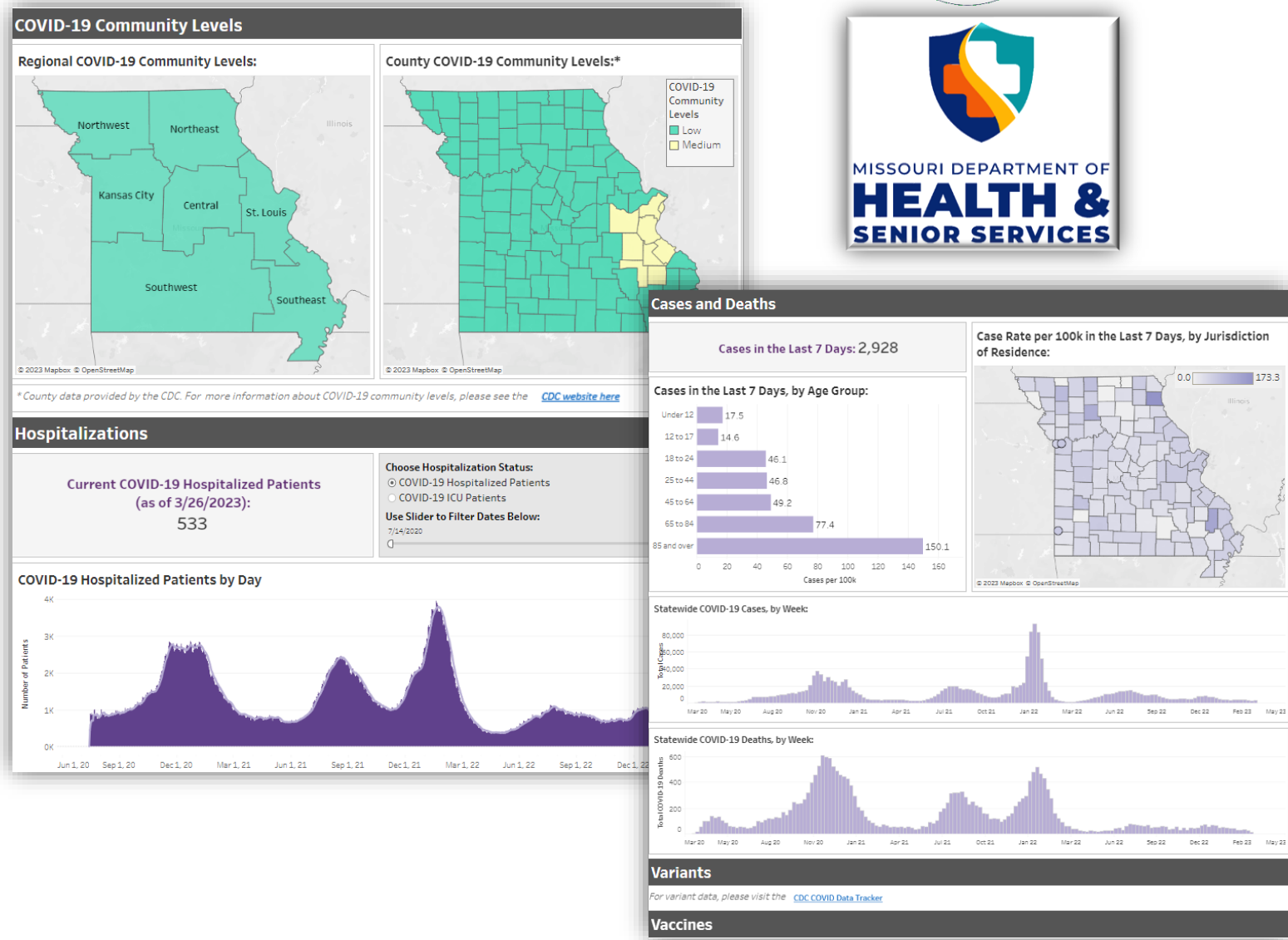
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On April 1, 2022, Missouri began recognizing COVID-19 as endemic. Endemic does not mean the end of COVID-19. In public health, this term refers to the constant presence of a disease within a population or geographic area.

For the most up-to-date COVID-19 community levels, hospitalizations, cases and deaths visit:

<https://health.mo.gov/coronavirus>



MISSOURI TASK FORCE 1 (MO-TF1) URBAN SEARCH & RESCUE RESOURCE AVAILABILITY



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Modular Response Capabilities

- Rescue
 - Structural Collapse
 - Technical Rescue (Ex: Trench, Rope, Confined Space)
- Wide Area Search
- Water Rescue
 - Swift Water
 - Floods & Moving Water
- Canine Search (K-9)
- Hazardous Material
- Command Element
- Single or Other Resource also available upon request
Ex: Incident Management Personnel, Plans Section Chief, Ops Section Chief, Logistics Section Chief, etc.

TASK FORCE Configuration				Status
Type 1 (80 person task force/24 hr. Operational Capability)				
Type 2 (80 person task force/24 hr. Operational Capability, minus CBRNE element)				
Type 3 (40 person task force/12 hr. Operational Capability)				
Type 4 (25 person task force/12 hr. Operational Capability)				
Deployed	Fully Mission Capable	Partially Mission Capable	Not Mission Capable	



MO DISASTER MEDICAL ASSISTANCE TEAM 1 (MO DMAT-1)
MO MORTUARY OPERATIONS RESPONSE TEAM 1 (MO MORT-1)
RESOURCE AVAILABILITY



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MO Disaster Medical Assistance Team 1
(MO DMAT 1)

Medical Response

- Field Hospital – 6 and 24 bed capability
- Medical Strike Teams
- Augment Hospital Staffing

Logistics Support

- Medical Supplies
- Setup of DMAT Cache
- Mobile Communications

Command Element

MO DMAT 1		Status
Six bed ER 12 person/24 hours/3 days		
Type II team 35 person/24 hours		
Fully Mission Capable	Partially Mission Capable	Not Mission Capable

MO Mortuary Operations Response Team
(MO MORT 1)

Mortuary Response

- Full Disaster Portable Morgue (DPMU)
- Fatality Strike Team for Local Coroner Support
- Victim Identification Center (VIC)

MO MORT 1		Status
Type II team 80 members/12 hour		
Fully Mission Capable	Partially Mission Capable	Not Mission Capable



MISSOURI STATE EMERGENCY MANAGEMENT AGENCY

SEMA's mission is to help our fellow Missourians prepare for, respond to and recover from all emergencies. Each step will be guided by our core values of **respect, integrity, trust, honesty and compassion.**

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