



Major Storm System Friday

March 13, 2025
5:54 AM

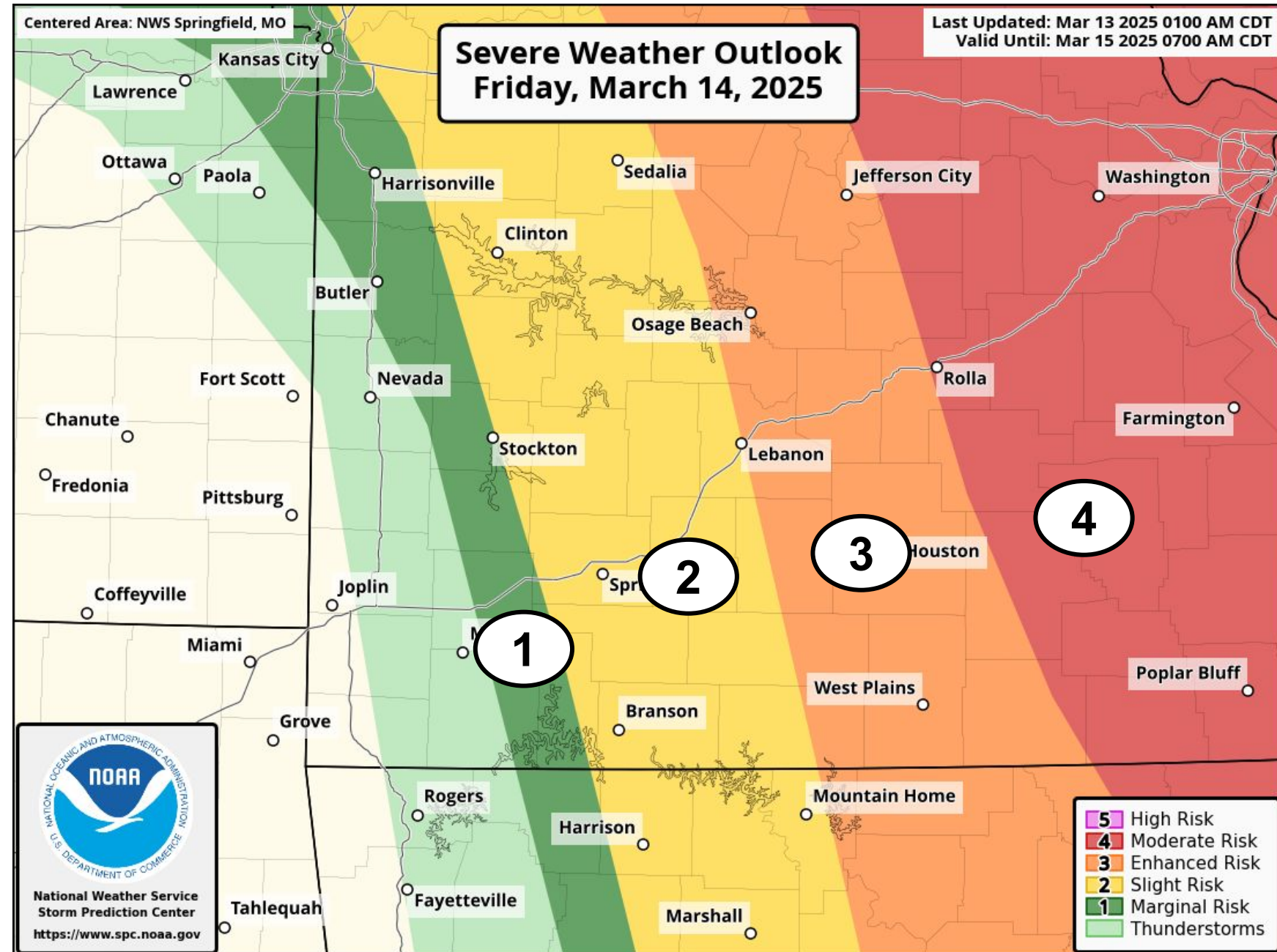
Strong Winds, Severe Storms, and Significant Fire Danger

Key Messages

- Increasing severe thunderstorm risk from west to east on Friday, culminating in a Moderate (level 4 of 5) Risk in the far eastern Ozarks. Coverage remains in question.
- Very windy Friday (outside of storms), with potentially widespread damaging winds of 50 – 60+ mph.
- Low relative humidities again Friday, leading to widespread significant to extreme fire weather potential.

NEW What Has Changed

- Wind Advisory and High Wind Watch
- Fire Weather Watch



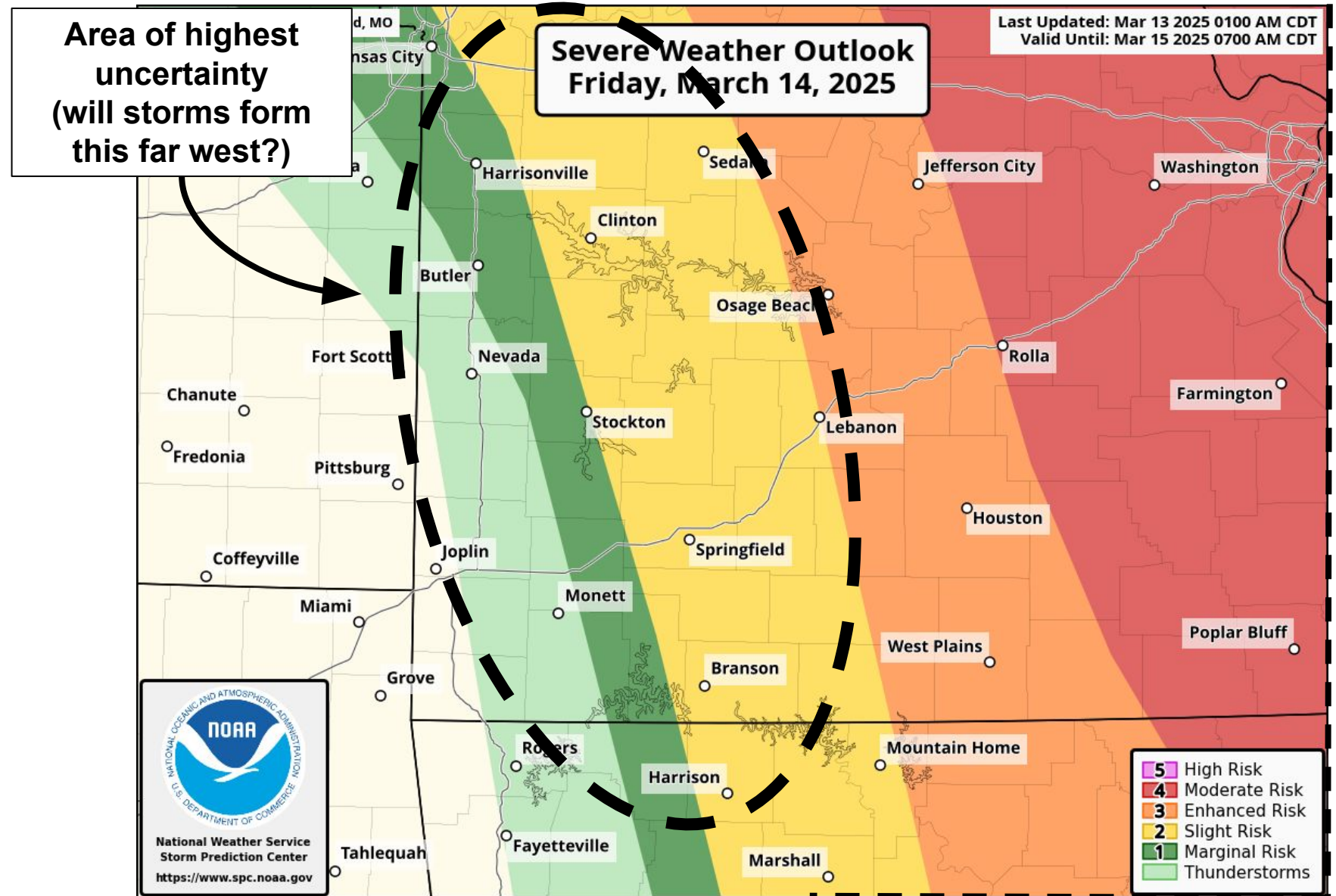


Severe Weather Potential on Friday

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Monitor the Forecast

- If and where storms form, they move **quickly**. Severe weather is only expected through a **short window of time** (approx. 4 PM-10 PM Friday).
- Storms will move west to east, and **severe risk increases to the east**.
- Several different hazards may be possible with these storms.
- There is potential for many areas to remain dry, as models have trended lower in coverage.



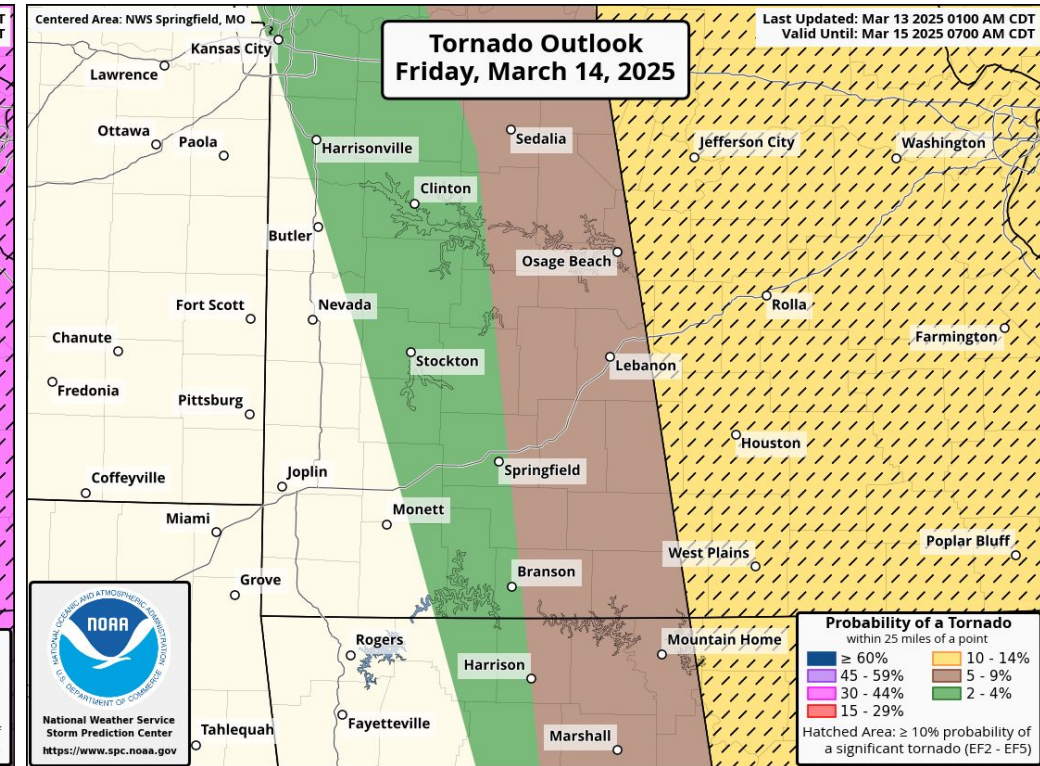
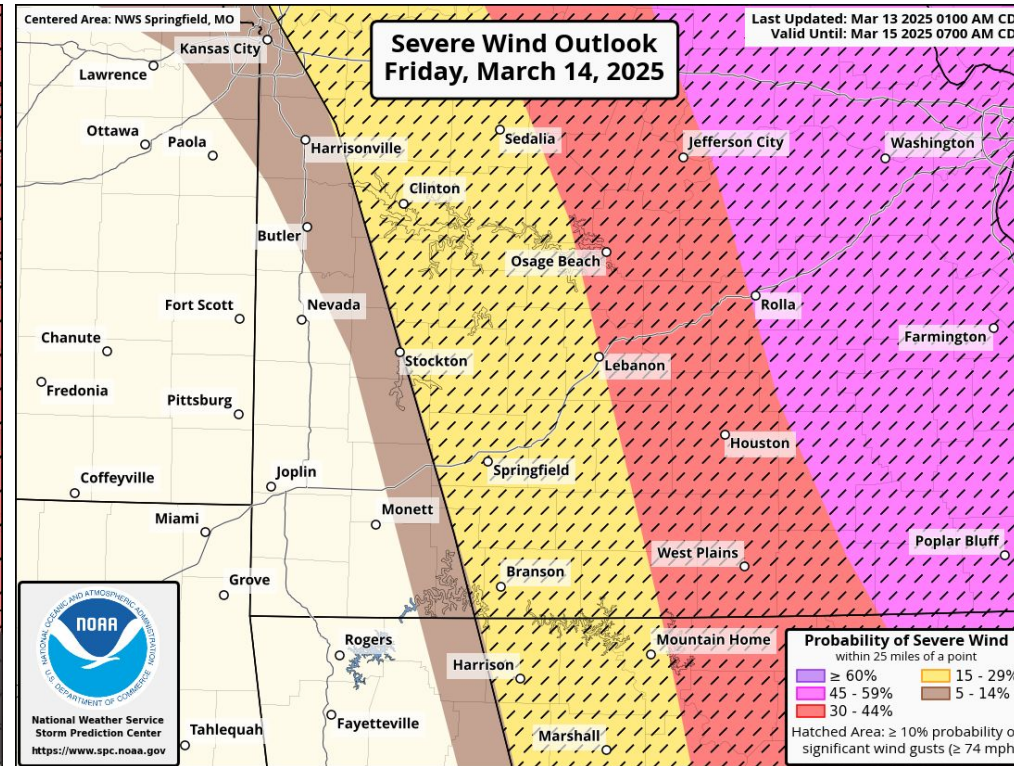
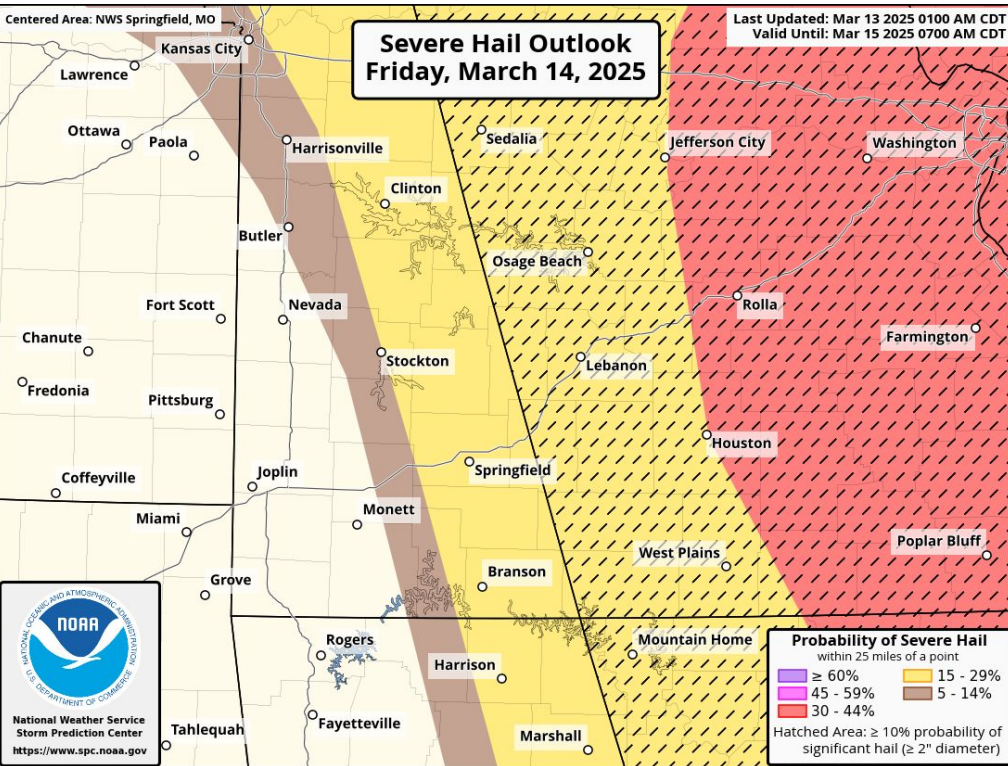
Storm Window: 4 pm – 10 pm



SPC Outlook Hazards Friday

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Coverage Still in Question



Hail Probability

Wind Probability

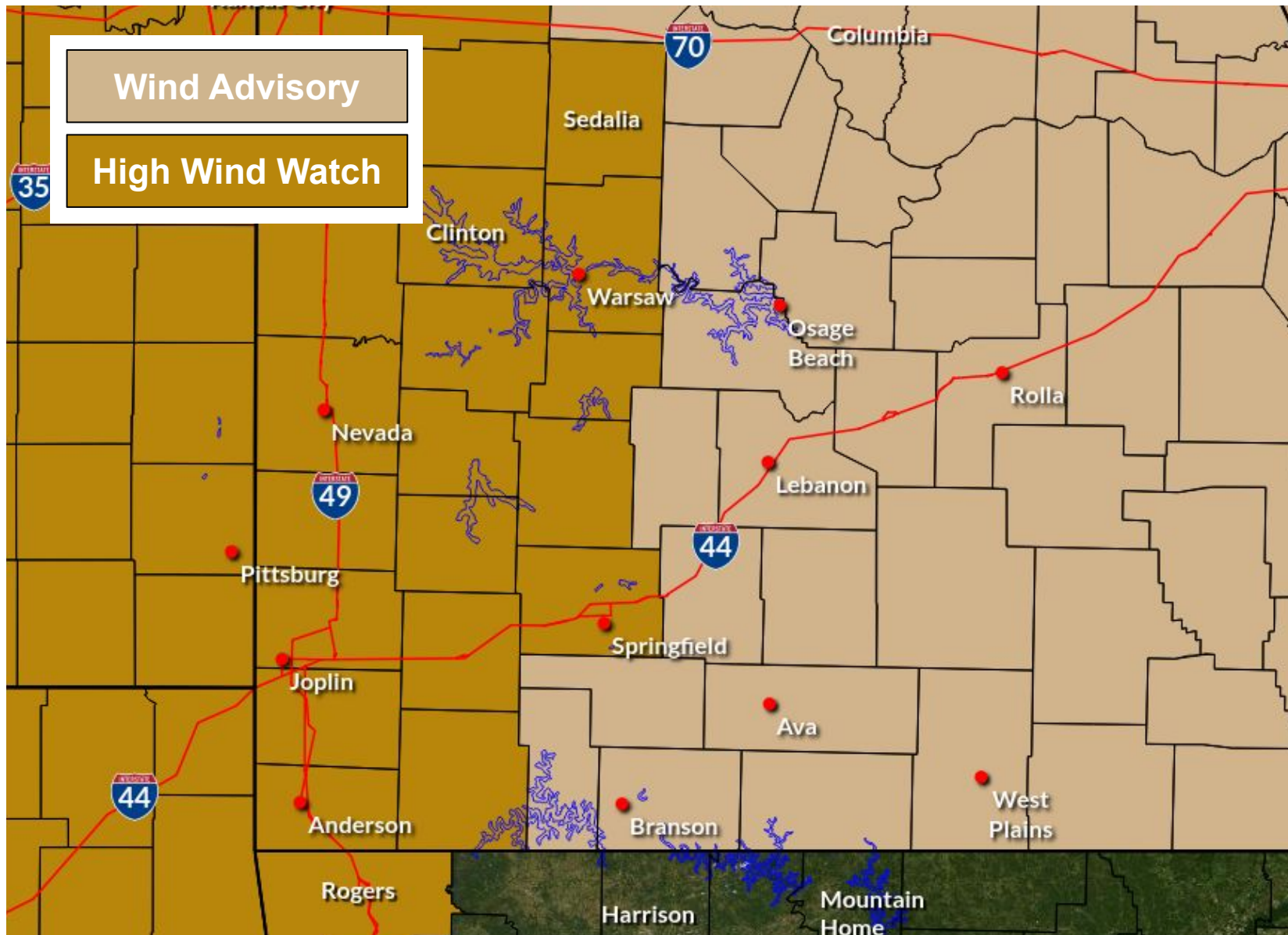
Tornado Probability

- All modes of severe weather are possible if and where thunderstorms can develop. Coverage and potential remains in question at this time.
- If thunderstorms can become established, large hail greater than 2", damaging winds greater than 75 mph, and tornadoes (some strong) would be possible in the hatched areas.



Wind Headlines

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High Wind Watch: 10 AM - 8 PM Fri
Sustained 30-40 mph
Gusts up to 60+ mph

Wind Advisory: 10 AM Fri - 1 AM Sat
Sustained 25-35 mph
Gusts up to 55 mph

Impacts:

- Difficult driving, especially high profile vehicles
- Tree/powerline damage
- Possible power outages
- Loose objects blown around

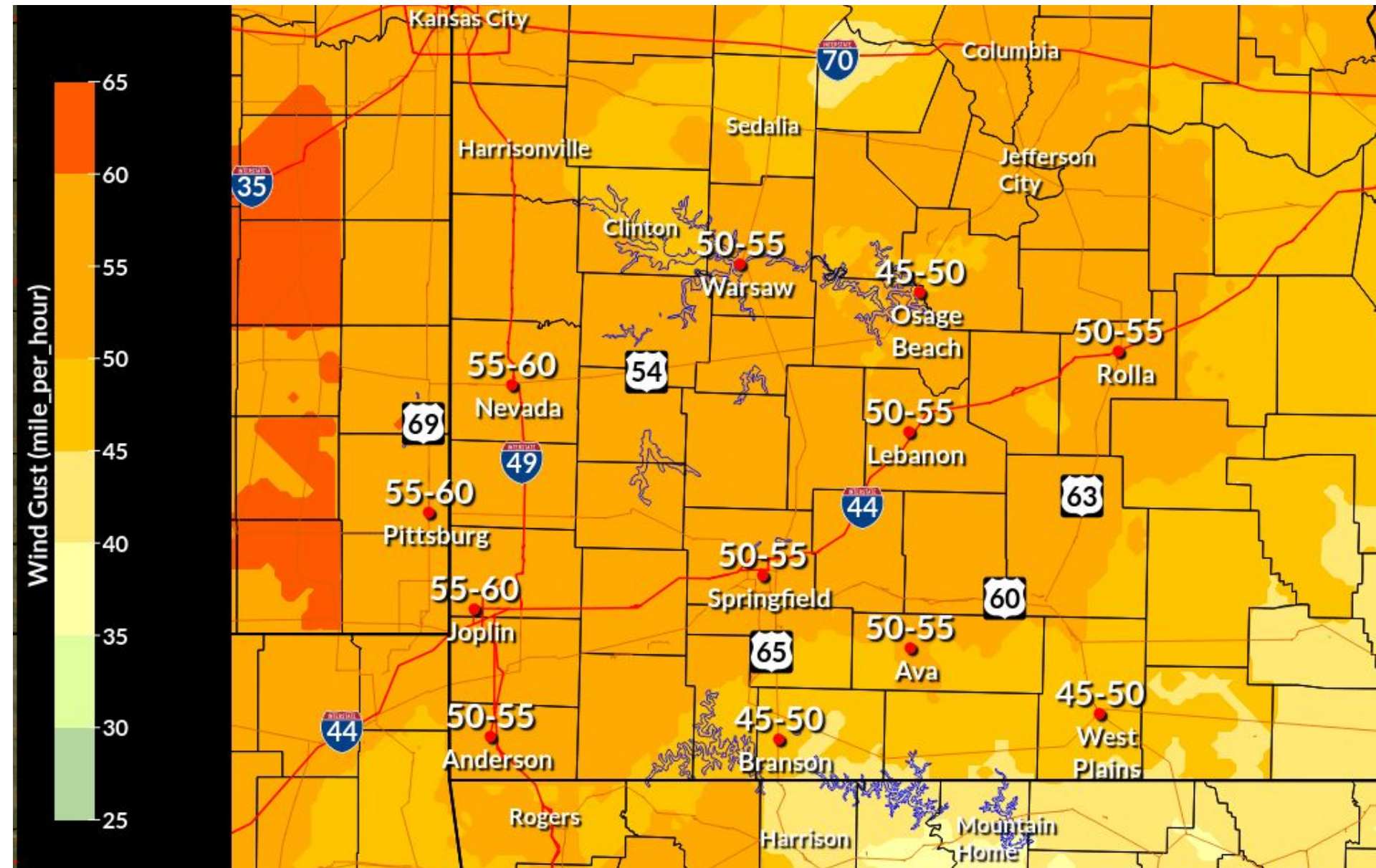
High Wind Watch and Wind Advisory Friday



Wind Gusts Friday

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Potential for higher wind gusts than what is shown here



Wind Gusts Friday

- Sustained south to southwest winds between 30-40 mph with gusts up to 50-60 mph are expected on Friday.
- Infrequent gusts greater than 60 mph are possible.
- These winds will occur outside of any thunderstorms (gusts with any thunderstorms may be higher).
- **For reference, 58 mph winds is the criteria for a Severe Thunderstorm Warning.**



NWS Springfield Wind Headline Criteria

The difference between advisory, watch, and warning for wind products

Wind Advisory

Use Caution

Hazardous wind not associated with a thunderstorm is expected.

**Sustained winds
≥ 30-40 mph
for an hour or more**

and/or

**Gusts of 45-58 mph
for any duration**

High Wind Watch

Be Prepared

There is a possibility of *dangerous* wind not associated with a thunderstorm in the next 24-48 hours.

**Sustained winds
≥ 40 mph
for an hour or more**

and/or

**Gusts ≥ 58 mph
for any duration**

High Wind Warning

Take Action!

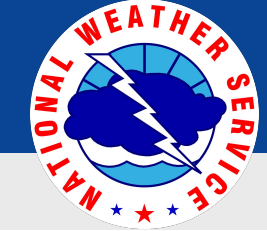
Dangerous wind not associated with a thunderstorm is imminent or expected within 18 hours.

**Sustained winds
≥ 40 mph
for an hour or more**

and/or

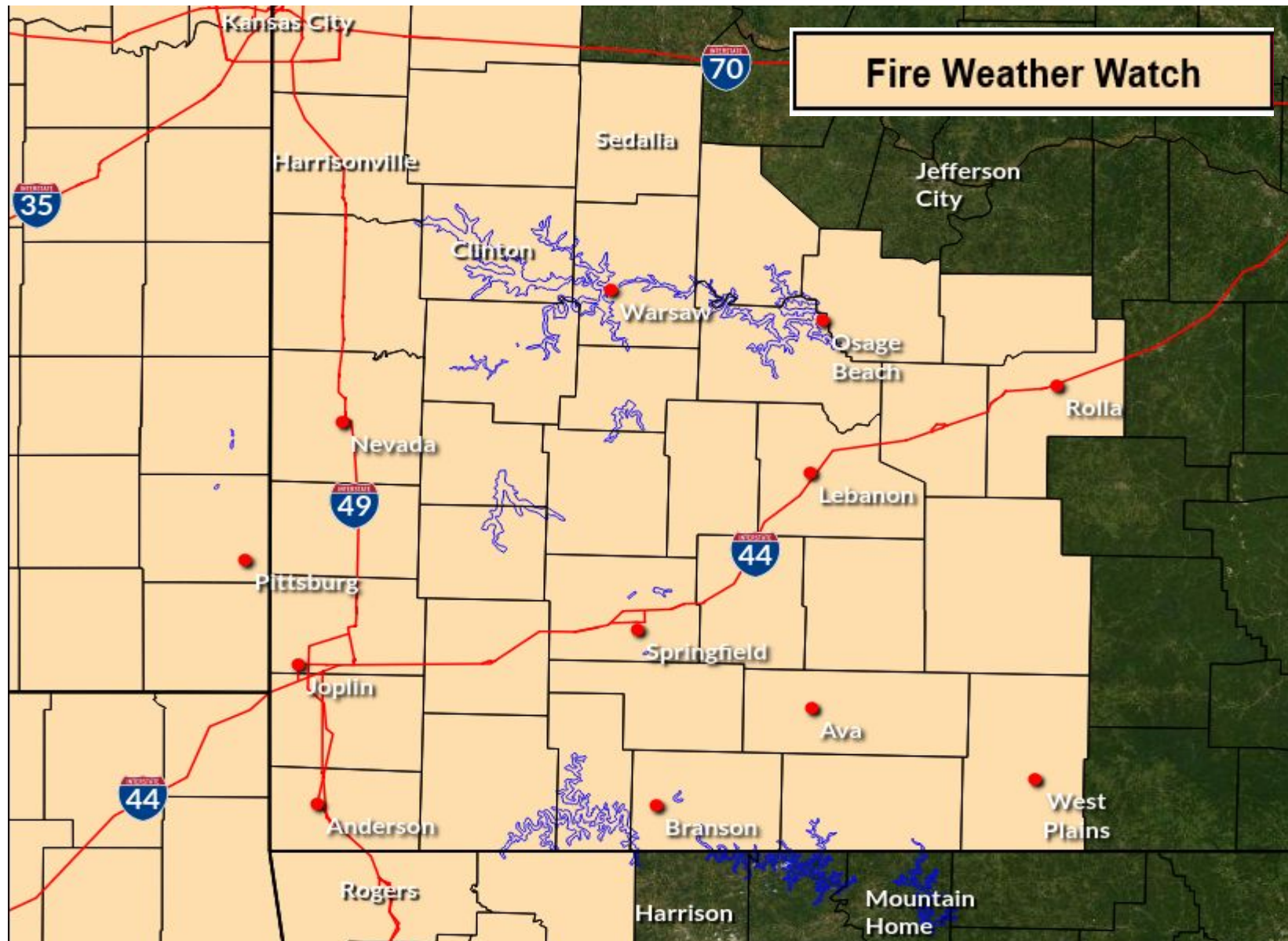
**Gusts ≥ 58 mph
for any duration**





Fire Danger and Headlines Friday

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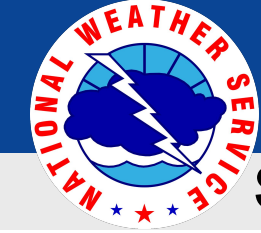
Fire Weather Watch: 10 AM - 1 AM Sat
Relative humidity as low as 15-25%
Winds 25-40 mph with gusts 55-60 mph

- Significant to extreme fire danger is expected Friday in areas covered by the Fire Weather Watch.
- This is due to very high winds and relative humidities of 15–25% as a dryline sweeps through the area.
- Fire control will be extremely difficult. Recent dry weather has already resulted in unusual fire spread and behavior this week.

Fire Weather Watch on Friday

Any burning is strongly discouraged!





Fire Danger This Weekend Into Next Week

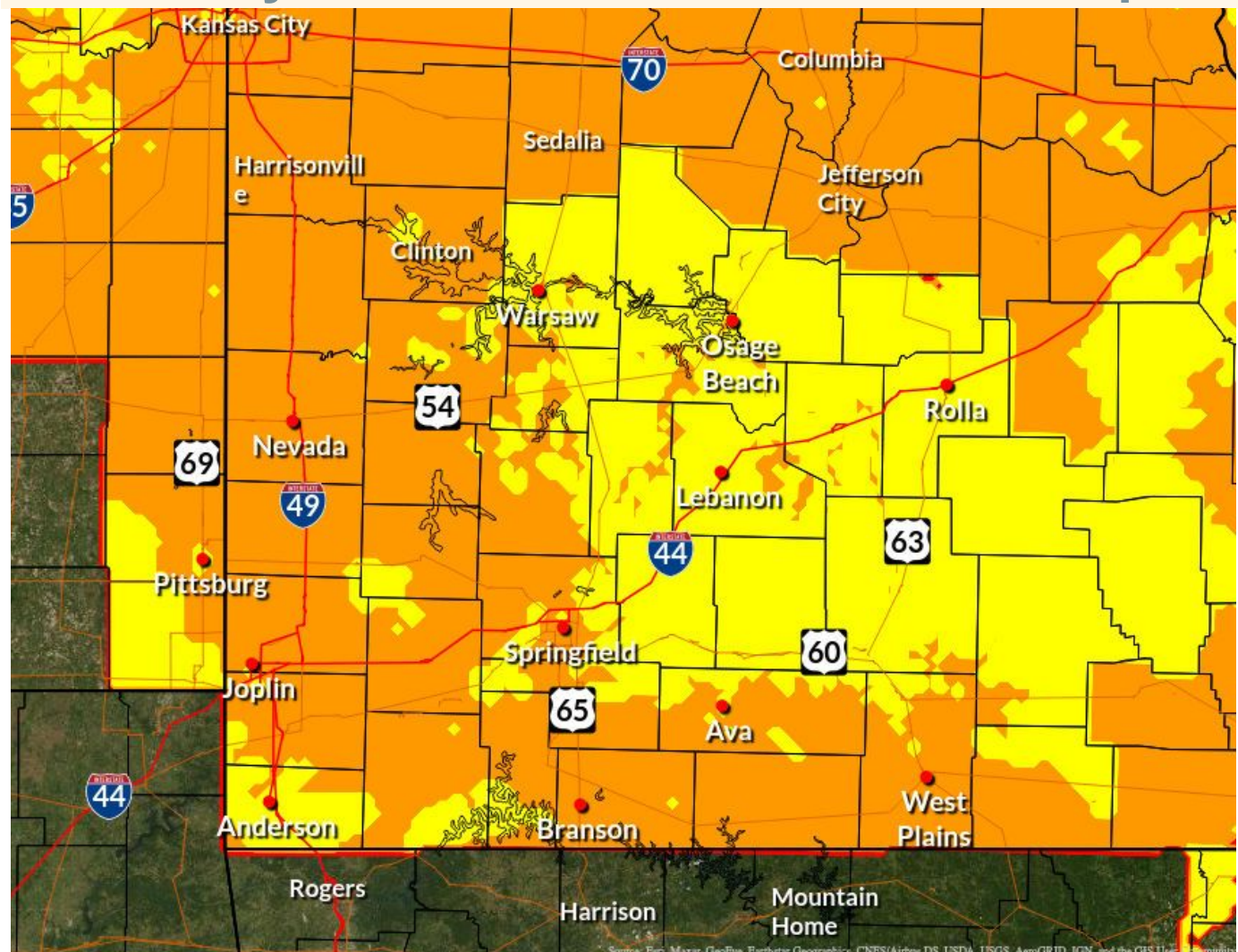
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Signal for fire weather conditions to continue this weekend into next week



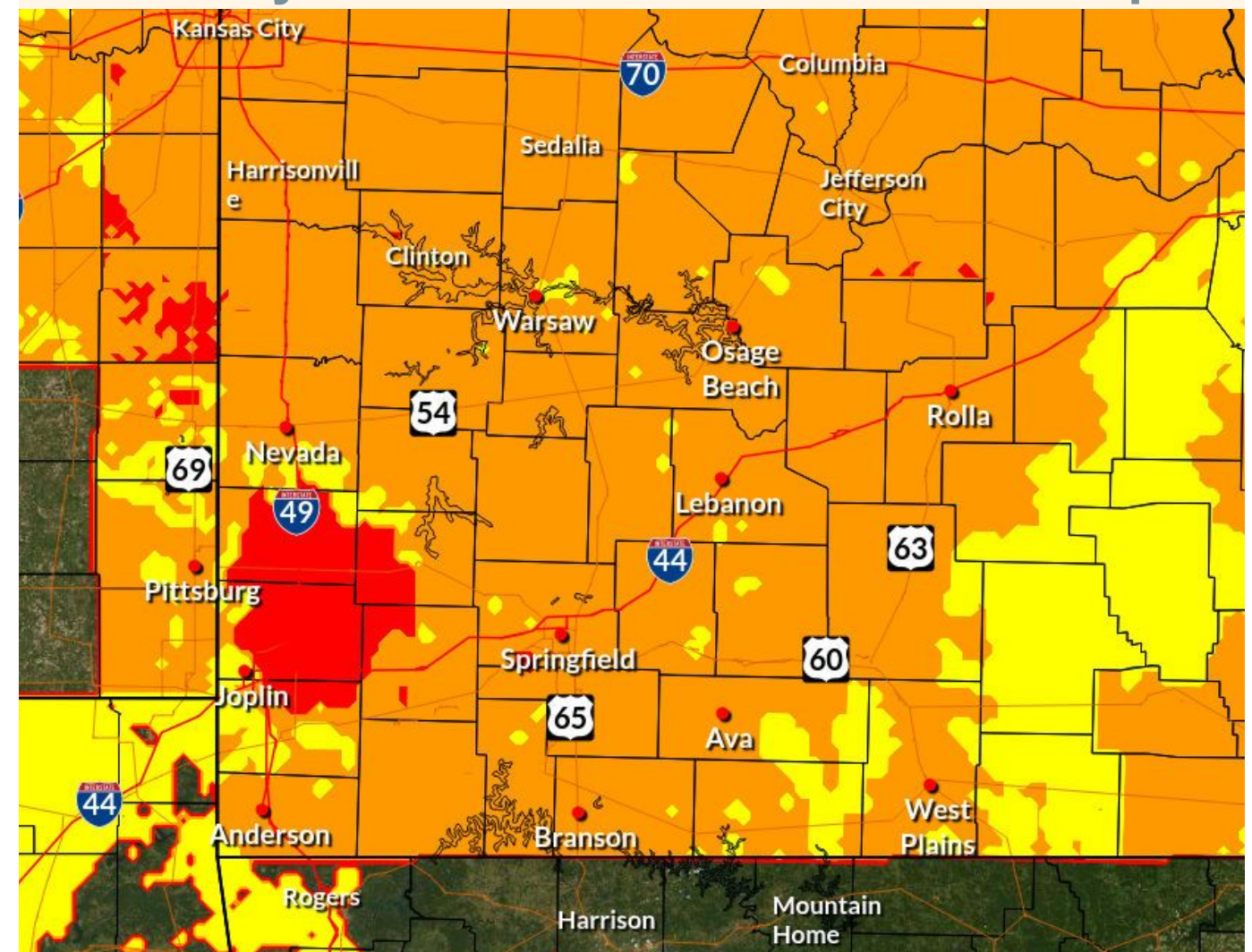
Sunday

Humidity: 25-35% Wind Gusts: 15-25 mph



Monday

Humidity: 20-35% Wind Gusts: 25-35 mph





Fire Danger Next Week

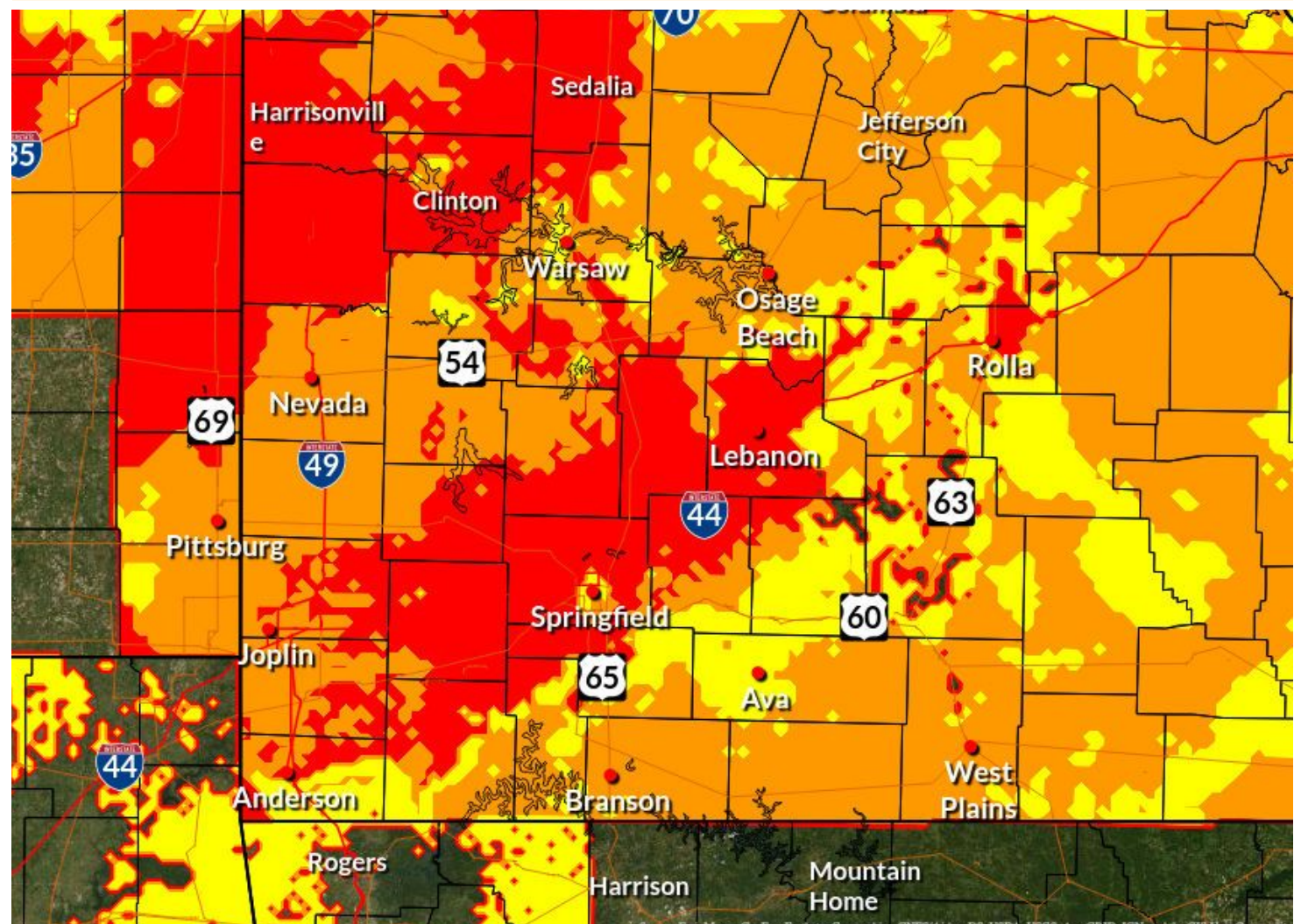
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Signal for fire weather conditions to continue into next week



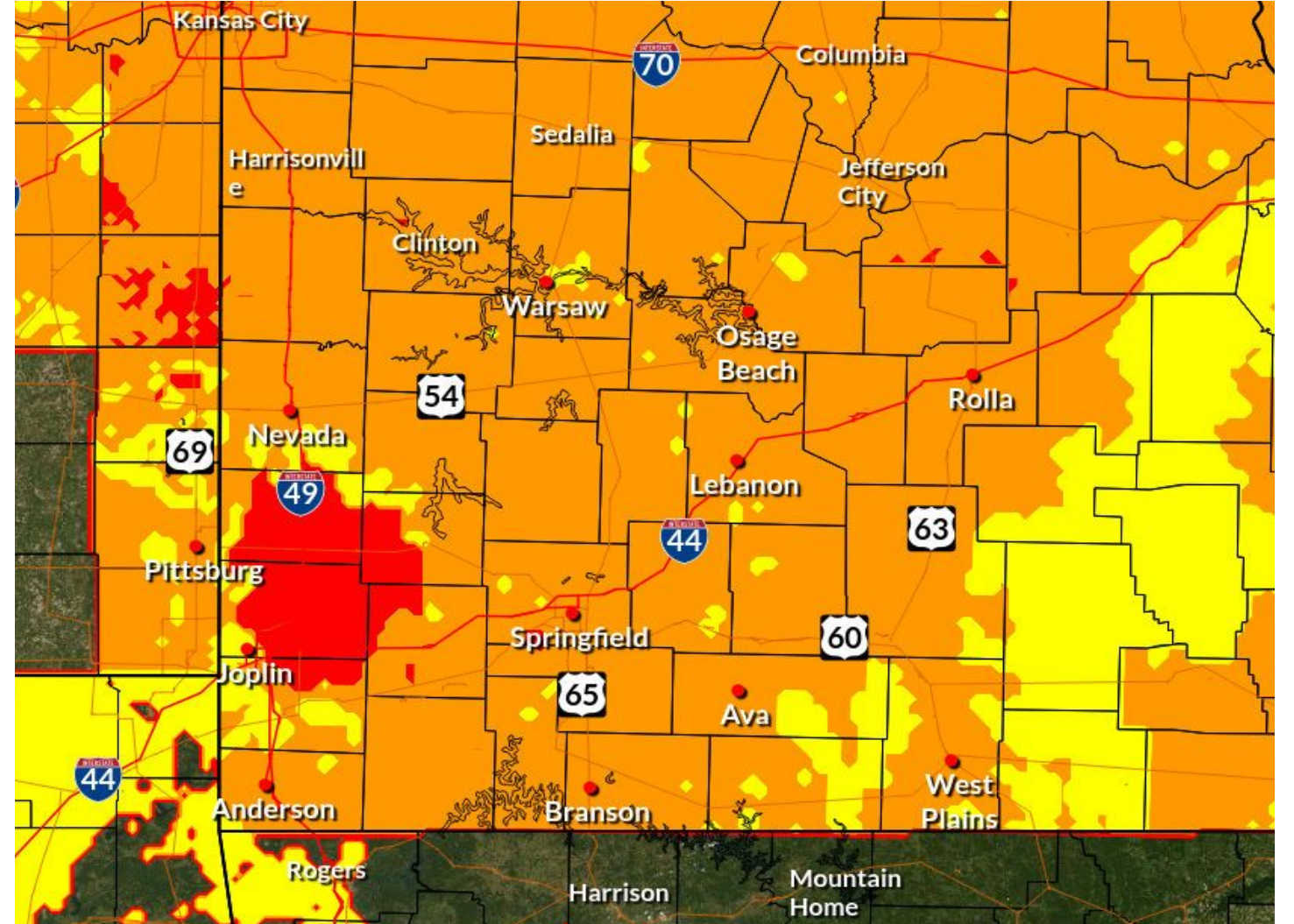
Tuesday

Humidity: 25-35% Wind Gusts: 15-25 mph



Wednesday

Humidity: 20-35% Wind Gusts: 25-40 mph





Additional Resources

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For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [Fire Weather Dashboard](#)
- [NWS Springfield Fire Page](#)
- [NWS Spot Forecast Page](#)
- [SPC Convective Outlooks](#)
- [Submit Storm Reports](#)

THUNDERSTORM WATCH

A Severe Thunderstorm Watch is issued when **a severe thunderstorm is possible.**

Stay tuned to forecast updates, monitor sky conditions, and know where to take shelter.

Be Prepared.



THUNDERSTORM WARNING

A Severe Thunderstorm Warning is issued when **a severe thunderstorm is happening or about to happen.**

Take shelter immediately!

Take Action!

Follow @NWSSpringfield



STORE OR SECURE LOOSE ITEMS BEFORE STRONG WINDS



-  Patio furniture
-  Sports equipment
-  Trash cans
-  Trampolines

weather.gov 

National Weather Service
Springfield, MO