



# Multiple Hazards Likely Today

March 31, 2023  
4:28 AM

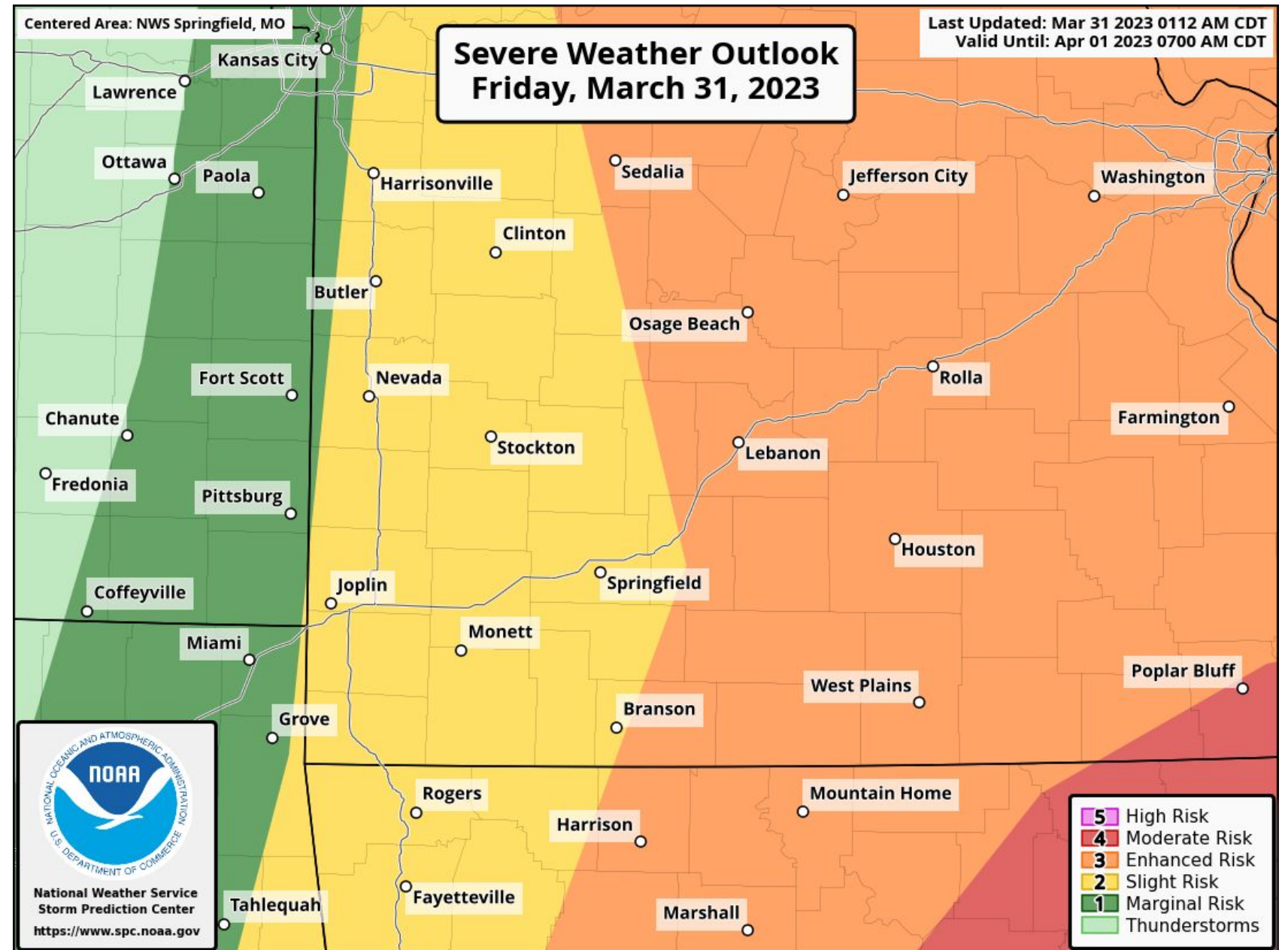
Severe Weather - High Fire Danger - Gusty Winds

## Key Messages

- Strong to severe thunderstorms this morning into the afternoon/early evening hours.
- The highest risk remains along and east of Highway 65.
- Low flooding potential with this system.
- Gusty winds and Significant Fire Danger.

## NEW Important Updates

- Large hail and tornado probabilities increased
- Enhanced Severe Risk Continues

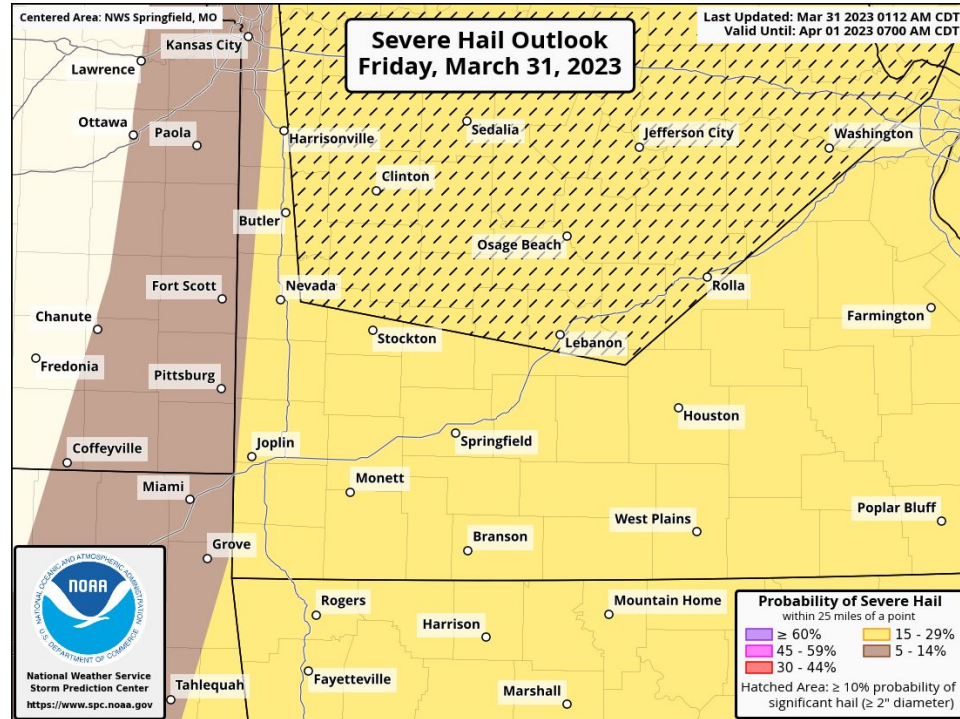




# Severe Hazard Probabilities

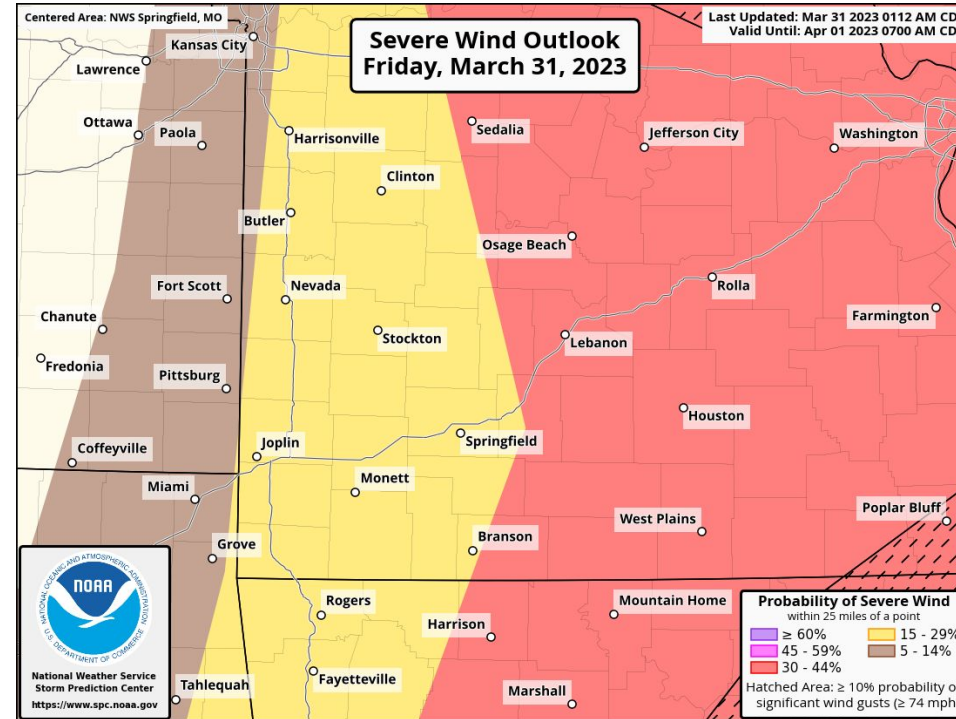
March 31, 2023  
4:28 AM

Today

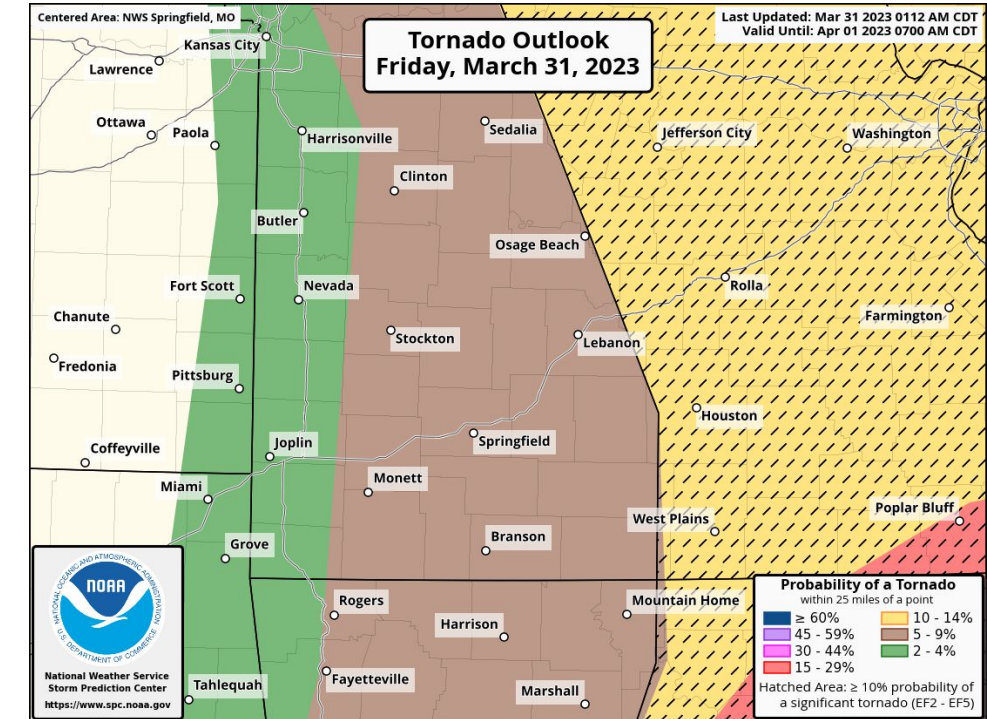


## Hail Probability

Hail up to 2 inches in diameter in the hatched area north of Springfield



## Wind Probability



## Tornado Probability

A Significant Tornado threat (EF-2 +) exists along and east of Highway 63.

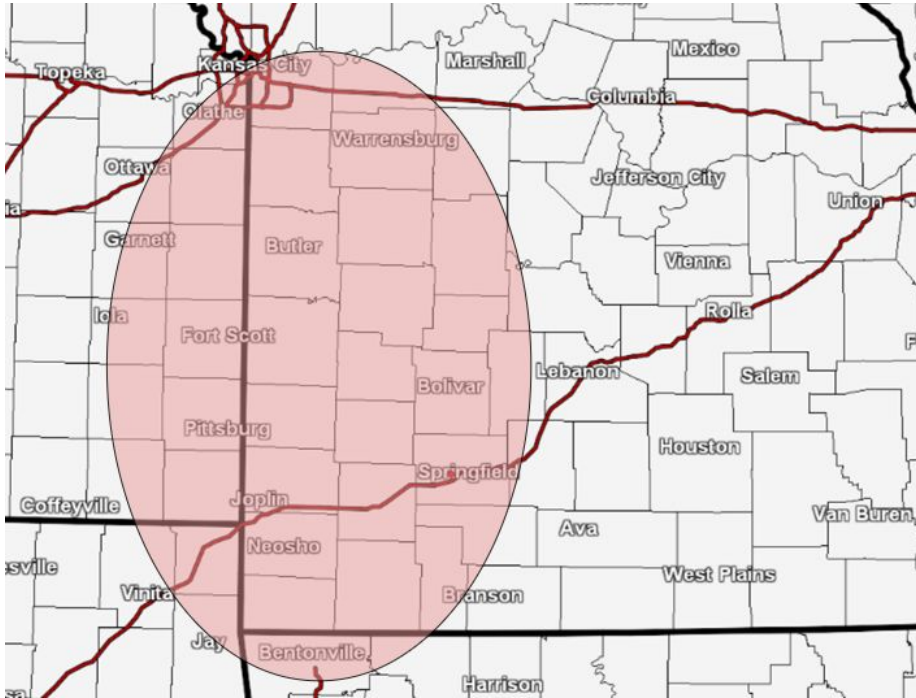


# Thunderstorm Timeline

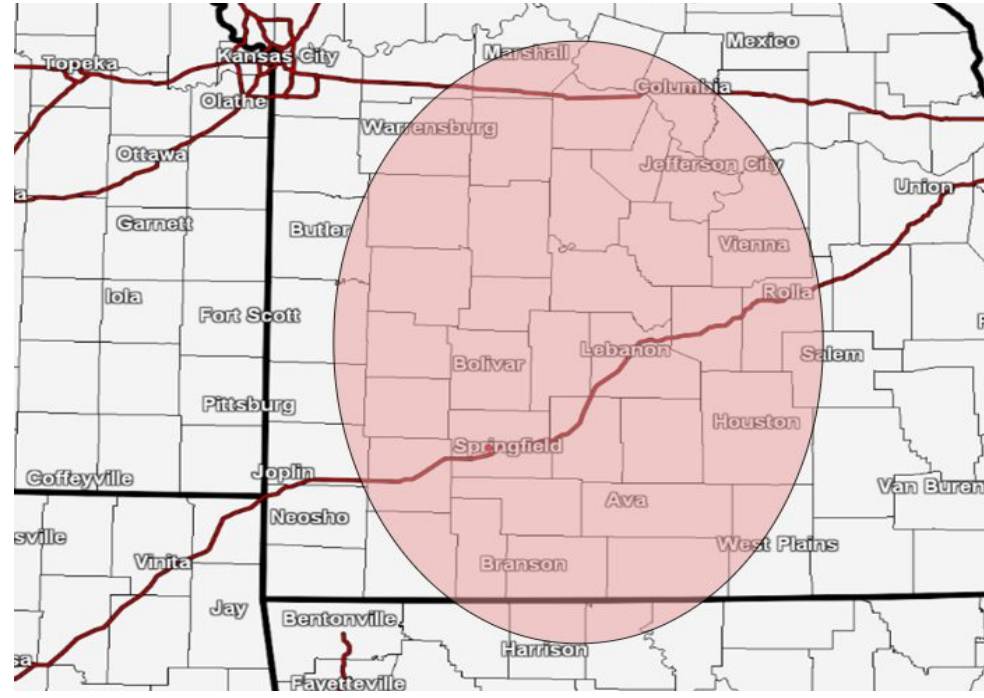
March 31, 2023  
4:28 AM

## Highest Severe Chances Late Morning - Afternoon

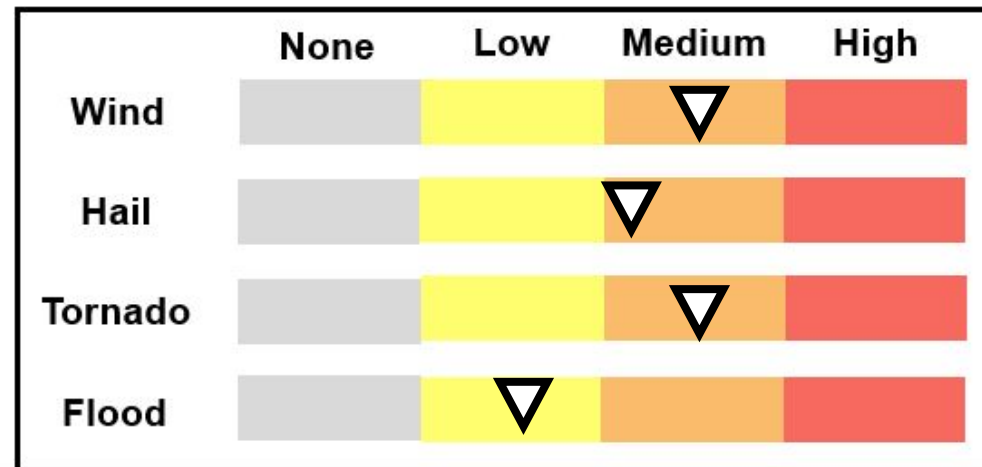
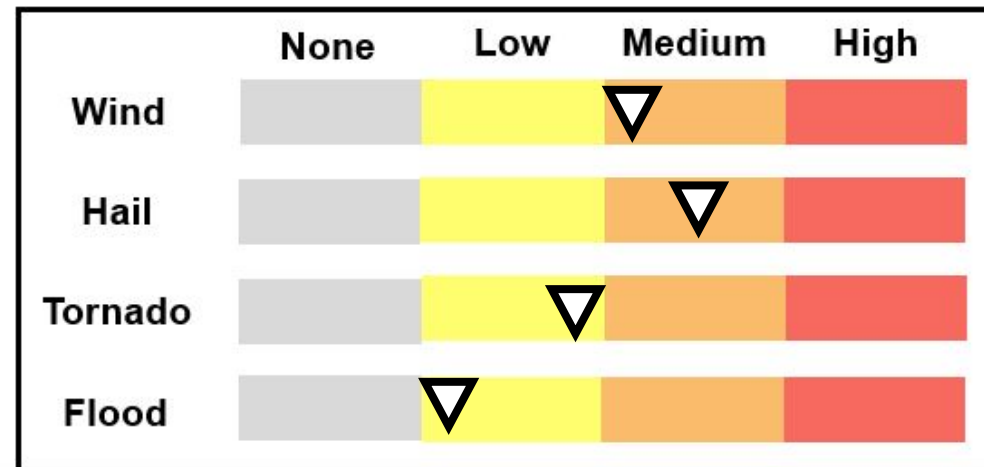
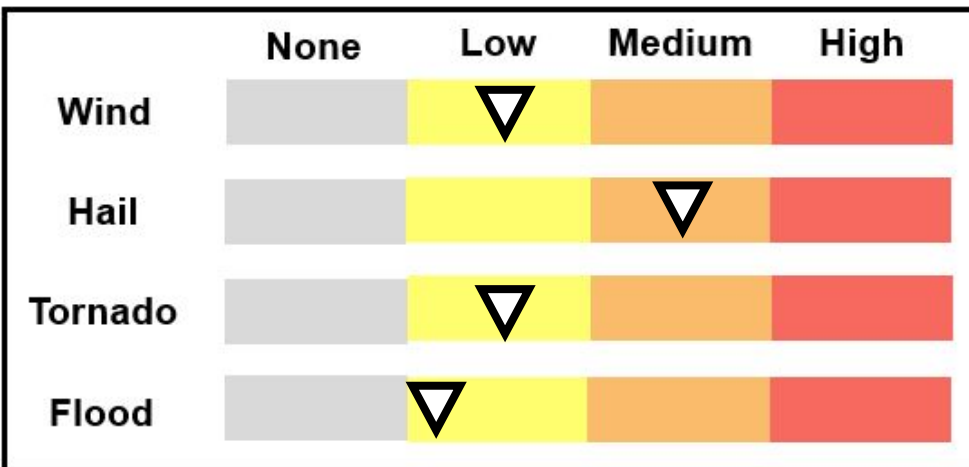
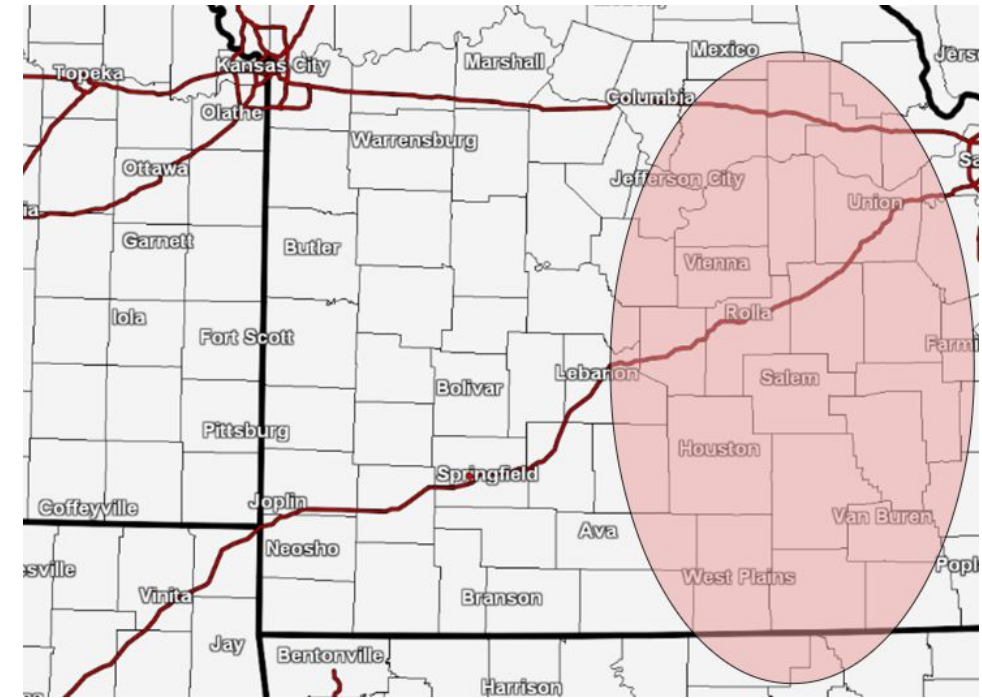
### 7am – 10am



### 10am – 2pm



### 2pm – 5pm





# Thunderstorm Chances Today

March 31, 2023  
4:28 AM

Highest Chances Morning and Afternoon

	3/31 Fri						4/1 Sat
	6am	9am	12pm	3pm	6pm	9pm	12am
Springfield	20%	50%	30%				
Joplin	40%	55%					
Pittsburg	50%	55%					
Branson	20%	30%	30%				
Fort Leonard Wood		25%	55%	35%			
Lebanon		40%	55%	20%			
Osage Beach		50%	55%	25%			
Rolla		20%	55%	50%	20%		
West Plains	20%	35%	65%	45%	15%		

\*Created: 3 am CDT Fri 3/31/2023. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation  $\geq$  15%.

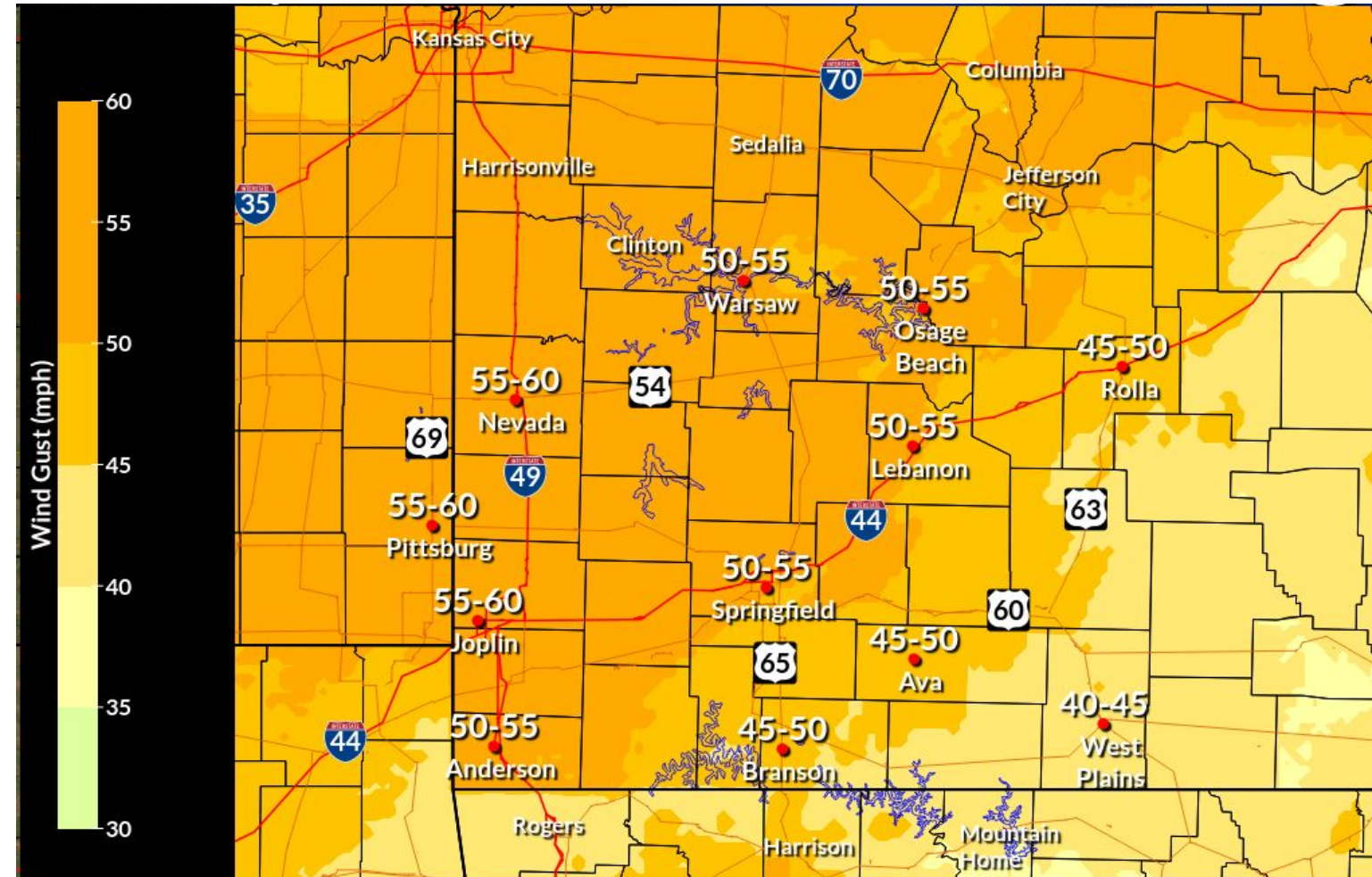
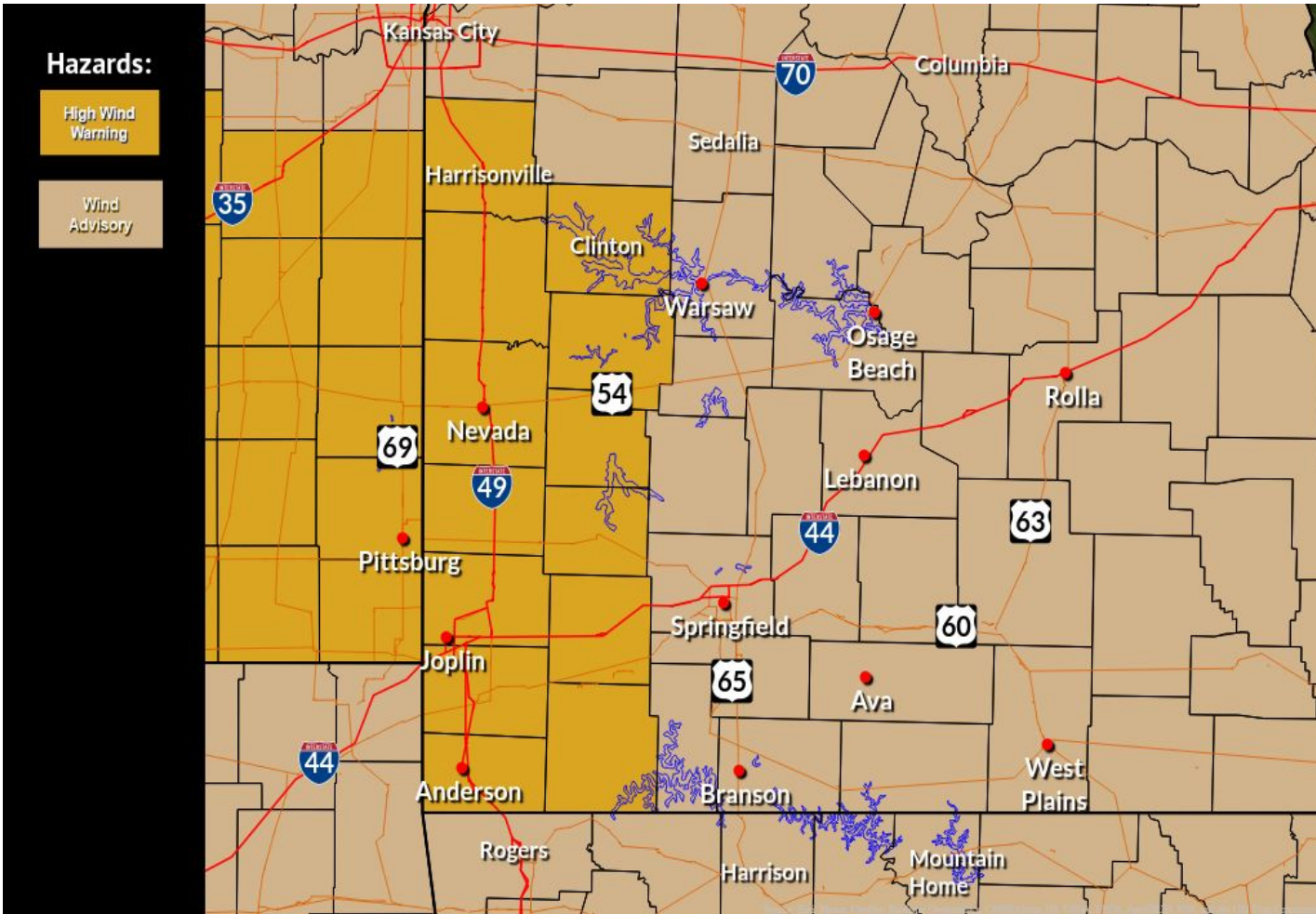
**- Thunderstorms +**



# Wind Advisory Today

March 31, 2023  
4:28 AM

## Highest Gusts This Afternoon - Evening



### High Wind Warning and Wind Advisory

### Maximum Wind Gusts Today

### Highest Gusts During Afternoon/Evening

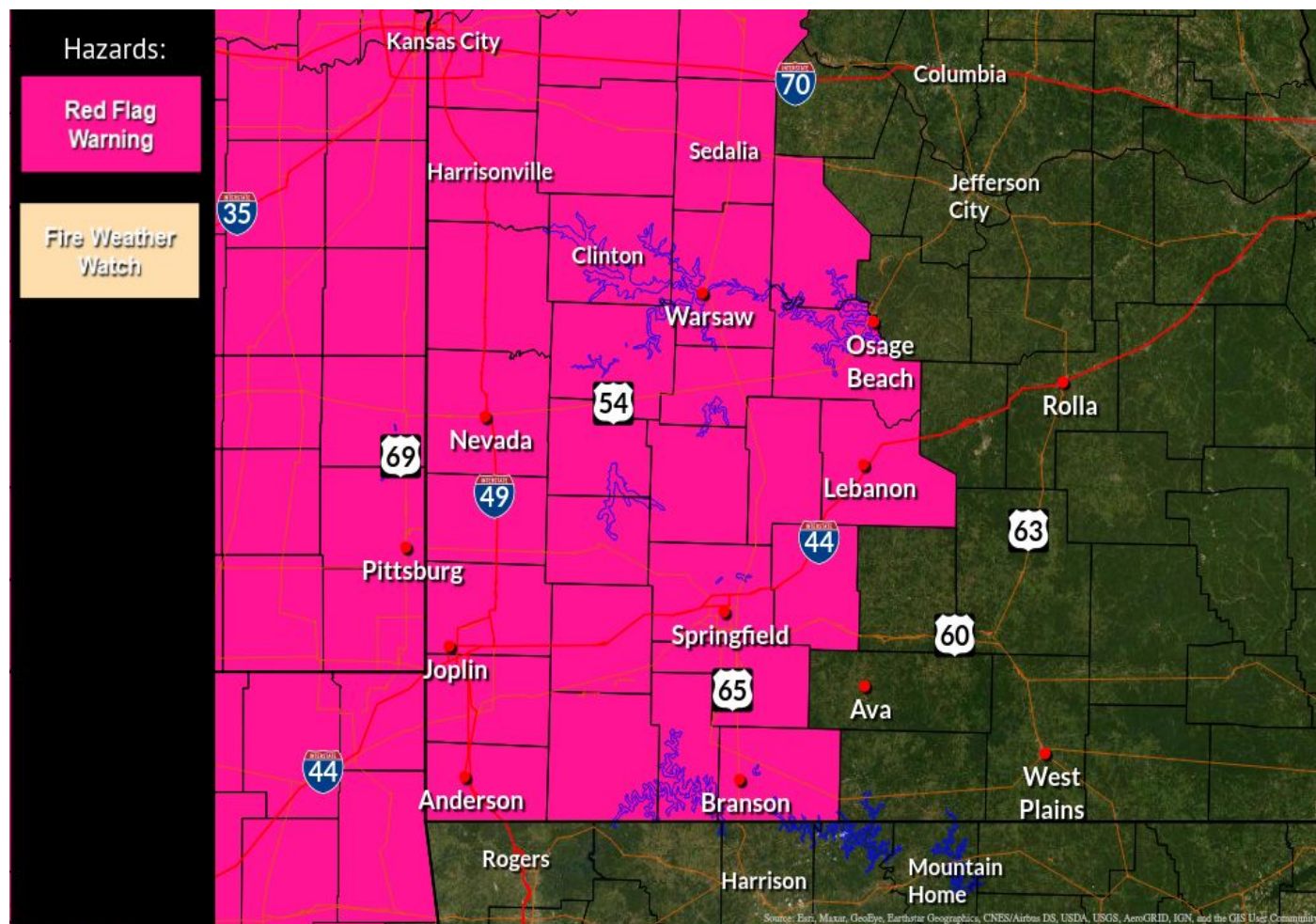


# Fire Weather Danger Today

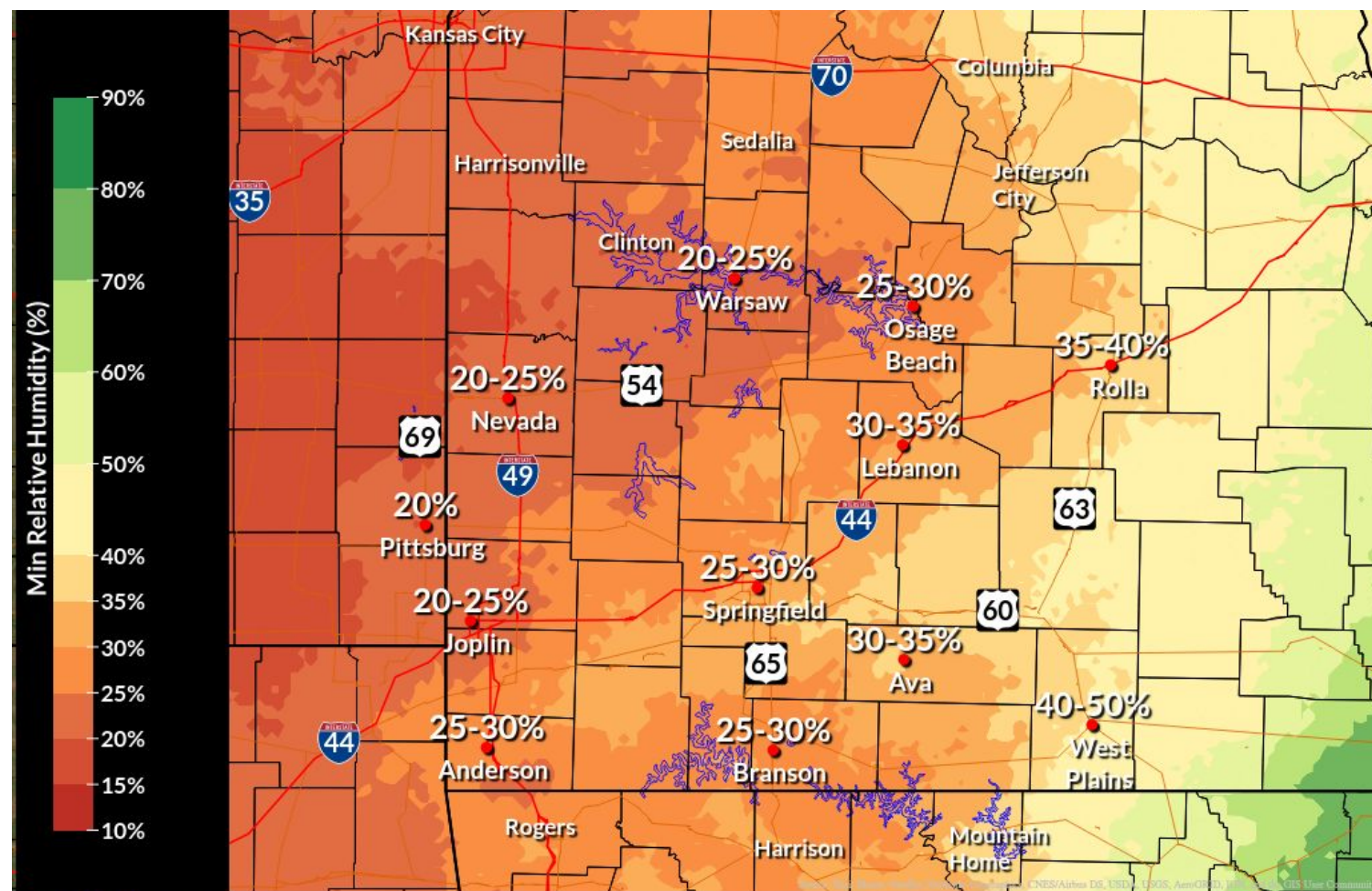
March 31, 2023

4:28 AM

Afternoon and Evening



**Red Flag Warning  
1pm-10pm Today**



**Minimum Relative Humidity  
This Afternoon/Evening  
(These RH values may be lowered  
further in updated forecasts)**





# Wind - Fire Timeline Today

March 31, 2023  
4:28 AM

## Highest Gusts and Fire Danger This Afternoon - Evening

### Maximum Wind Gust Forecast

	3/31 Fri					4/1 Sat				
	9am	12pm	3pm	6pm	9pm	12am	3am	6am	9am	12pm
Springfield	43↗	46↗	51↗	47↗	37↗	36↔	37↗	37↗	36↘	31↘
Joplin	45↗	51↗	56↗	45↗	33↗	35↔	35↗	32↗	29↘	24↘
Pittsburg	46↗	53↗	55↗	46↗	33↗	37↗	37↗	36↗	30↘	24↘
Branson	40↗	43↗	46↗	45↗	36↗	33↔	36↗	32↗	32↗	28↘
Fort Leonard Wood	40↗	41↗	47↗	45↗	38↗	35↔	39↗	39↗	38↗	31↘
Lebanon	41↗	45↗	51↗	47↗	39↗	39↔	39↗	39↗	38↗	31↘
Osage Beach	40↗	45↗	51↗	47↗	37↗	38↔	39↗	38↗	37↗	31↘
Rolla	40↗	43↗	47↗	46↗	37↗	35↔	41↗	43↗	41↗	37↘
West Plains	37↗	43↗	44↗	44↗	36↗	32↔	36↗	41↗	43↗	35↘

### Minimum RH Forecast

	3/31 Fri											4/1 Sat
	1pm	2pm	3pm	4pm	5pm	6pm	7pm	8pm	9pm	10pm	11pm	12am
Springfield	71	59	50	40	37	32	31	36	36	39	38	38
Joplin	57	43	33	28	23	22	23	26	29	31	32	34
Pittsburg	54	42	28	22	20	20	23	26	29	29	31	34
Branson	66	60	47	39	36	29	29	31	32	34	36	35
Osage Beach	68	60	50	42	36	30	28	29	30	34	34	34
Lebanon	73	64	55	46	41	35	31	33	34	34	37	37
Fort Leonard Wood	73	71	62	54	46	41	33	36	36	37	37	40
Rolla	78	73	68	57	55	44	36	37	37	37	39	41
West Plains	81	76	71	64	64	55	48	44	43	41	41	44

\*Table values in mph  
 \*\*Created: 3 am CDT Fri 3/31/2023  
 \*\*\*Values are maximums over the period beginning at the time shown.

Don't see your city? Check out [weather.gov/forecastpoints](https://weather.gov/forecastpoints)

\*Table values in %  
 \*\*Created: 3 am CDT Fri 3/31/2023  
 \*\*\*Values are minimums over the period beginning at the time shown.

Don't see your city? Check out [weather.gov/forecastpoints](https://weather.gov/forecastpoints)

**Strongest southwest winds during mid-late afternoon**

**Lowest RH's late afternoon and evening**

**RH remains low into the overnight hours**



## Severe Weather Occuring



## Severe Weather Timing



## Gusty Winds Today



## Fire Danger



## Confidence Details

- Confidence remains medium to high that severe thunderstorms will occur today.
- Confidence is high that gusty winds will occur area wide Today along with a high fire danger.

## Remaining Uncertainties

- If thunderstorms that develop west/northwest of Springfield this morning get stronger than forecast then the hail threat could increase further, especially north of Springfield.
- The exact transition from supercells to a line of storms remains unclear. However both modes can produce significant severe weather.



## For Additional Information

- [NWS Springfield Webpage](#)
- [IDSS Point Forecasts](#)
- [Graphical Hazardous Weather Outlook](#)
- [SPC Convective Outlooks](#)
- [WPC Excessive Rainfall Outlooks](#)
- [WPC Precipitation Outlooks](#)
- [AHPS Lakes and Rivers](#)
- [Submit Storm Reports](#)

# ENHANCED RISK

Numerous severe storms possible.

Some longer lived severe storms -- a few intense storms possible.

Have multiple ways to get NWS warnings and seek shelter immediately when warnings are issued for your location.

weather.gov

Follow @NWSSpringfield

