



Severe Weather Later Today

June 22, 2016



National Weather Service

Chicago/Romeoville, IL

<http://www.weather.gov/chicago>



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Created: 6/22/2016 1:33 PM Central



Weather Hazards



| What | Where | Timing | Impacts | Confidence |
|-----------------------------|-------------------------------|--|---|-------------|
| Severe Thunderstorms | Area-Wide | Numerous/Widespread 4 PM – 12 AM | <i>All Severe Threats</i> <i>Afternoon/Evening</i> Damaging Winds Tornadoes Large hail | Medium-High |
| Flooding | Northern IL & Northwest IN | At times in the afternoon and evening | Minor flooding on area rivers & streams, urban flooding. Localized flash flooding | Medium |



Early Afternoon Thoughts



- **Uncertainty**: A corridor of significant severe potential may develop near and along a warm front from northern IL into northwest IN, and there is uncertainty on the location of the front by the late afternoon.
- **Storm Mode**:
 - Initial discrete supercells appear probable in the mid-late afternoon across north central/northwest Illinois.
 - Supercell storm mode is more likely to persist farther southeast into the Chicago metro and northwest Indiana, with attendant risk for tornadoes, some strong (EF-2 +) and very large hail (2"+)
 - As storms continue to track east-southeast this evening, the damaging wind threat will likely increase. Embedded tornadoes will remain possible.



Today's Threat Timeline

11:30 AM

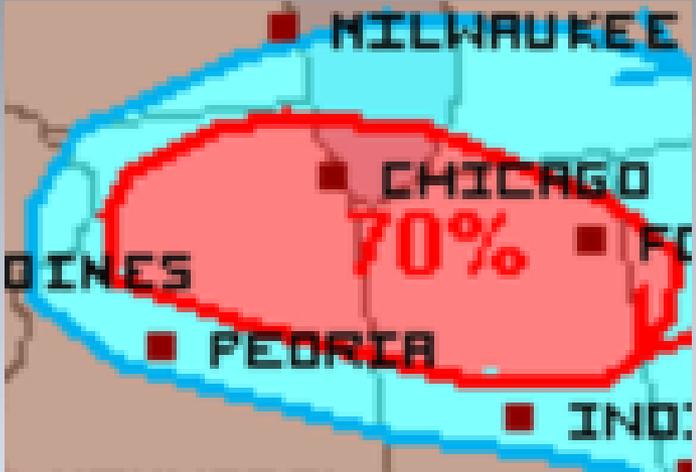
4 PM

12AM



**Isolated to Scattered Storms
Isolated Large Hail Threat**

Highest Severe Storm Potential



**70%+ chance of thunderstorms
this evening
Outdoor events impacted**



Approximate Severe Threat Timing



Threat Level

Significant Tornadoes (EF2 and Greater)



Low

High

Tornadoes (Less than EF2)



Low

High

Damaging Winds (≥ 58 MPH)



Low

High

Large Hail (≥ 1 inch diameter)



Low

High

Flash Flooding



Low

High

Thunderstorm Wind Damage Risk



Moderate Risk for Severe Thunderstorms



| Risk Level | Definition |
|-------------|--|
| None | No thunderstorm wind risk. |
| Limited | Risk for sub-severe wind gusts (less than 58 mph) or Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Less than 15% |
| Elevated | Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 15% |
| Significant | Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 30% |
| Extreme | Probability of severe wind gusts (58 mph or greater) within 25 miles of a point: Equal to or greater than 45% |

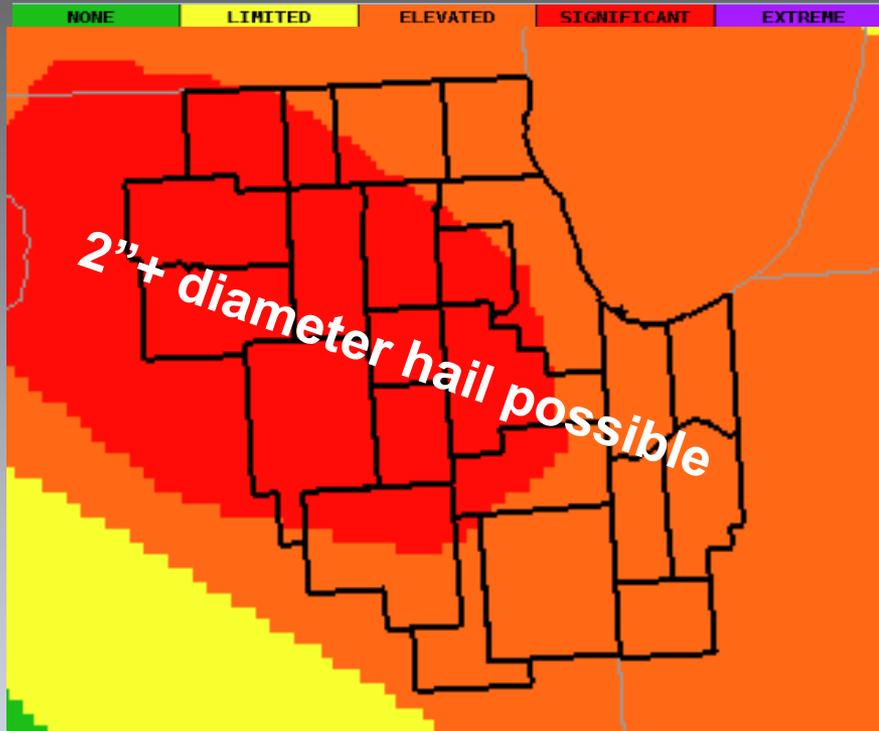
4 - MODERATE (MDT)

Widespread severe storms likely

Long-lived, widespread and intense

- Strong tornadoes
- Widespread wind damage
- Destructive hail, 2" +

HAIL



TORNADO



| Risk Level | Definition |
|-------------|---|
| None | No risk of hail. |
| Limited | Risk of sub-severe hail (less than 1") or Probability of severe hail (1" or greater) within 25 miles of a point: less than 15% |
| Elevated | Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 15% |
| Significant | Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 30% |
| Extreme | Probability of severe hail (1" or greater) within 25 miles of a point: Equal to or greater than 45% |

| Risk Level | Definition |
|-------------|--|
| None | No tornado risk. |
| Limited | Probability of a tornado within 25 miles of a point: less than 5 percent. |
| Elevated | Probability of a tornado within 25 miles of a point: greater than or equal to 5 percent. |
| Significant | Probability of a tornado within 25 miles of a point: greater than or equal to 10 percent. |
| Extreme | Probability of a tornado within 25 miles of a point: greater than or equal to 30 percent. |



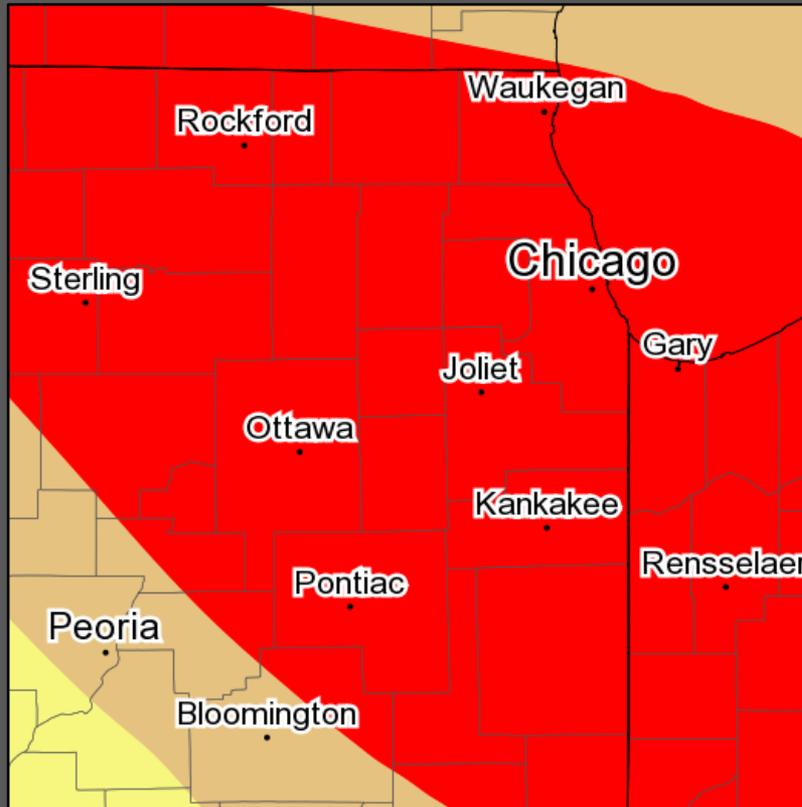
Key Message

- Urge your family and friends to have their severe weather safety plan in place and know where to take shelter if necessary. Have multiple ways to receive warnings.
- Raise awareness, not panic.



ALERT: Severe Weather Likely Late This Afternoon and Evening

Severe Weather Risk



MODERATE RISK
Widespread severe storms likely

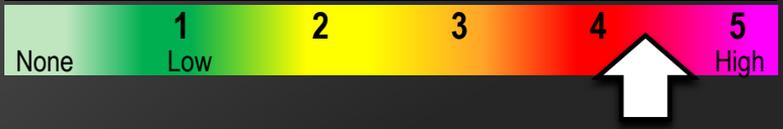
*Have multiple ways to receive warnings!
Have a plan. Be ready to shelter if needed.*

Potential Hazards: Threat Level

Tornadoes Strong tornadoes possible



Wind Up to 80+ mph



Hail Up to golf ball size or larger



Flash Flood Flood-prone areas



Important Note: Ingredients *could* come together for significant severe weather event. Small scale details will alter magnitude & area of greatest impacts.

When: Late afternoon & evening, significant damaging winds, tornadoes, hail all possible