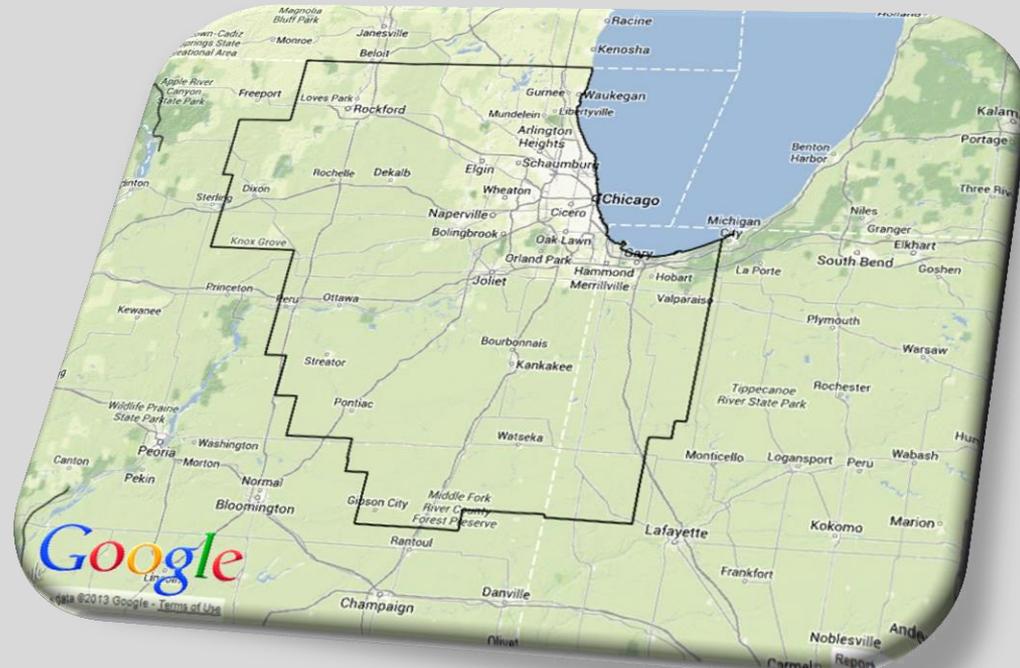




Ice, Rain, Strong Winds & IL Shore Flooding



December 28, 2015 Morning Briefing



National Weather Service

Chicago/Romeoville, IL

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

 [facebook.com/NWSChicago](https://www.facebook.com/NWSChicago)

 [@NWSChicago](https://twitter.com/NWSChicago)



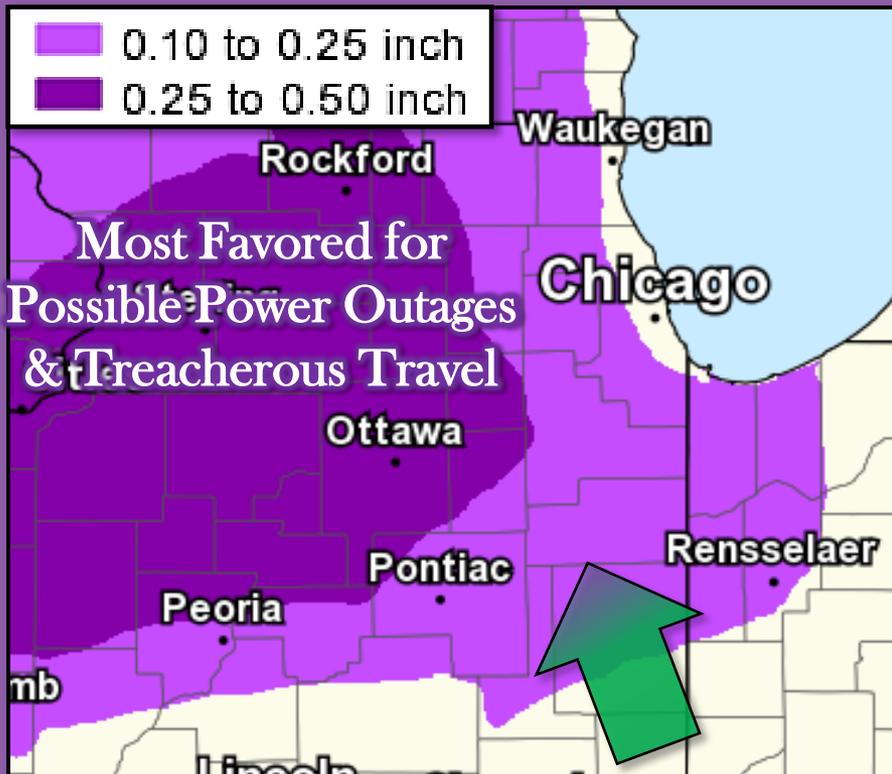
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Significant Wind & Icing Today



Potential Impacts: Power Outages & Icy Roads

ICE



Most Favored for Possible Power Outages & Treacherous Travel

Slow afternoon warming; transition to rain

Sleet mixed in at times this morning, with accumulations of around one inch.

WIND

40 to 50 mph gusts frequent by afternoon
Gusts to 60 mph along IL shore (including Chicago)

Combination of these two will likely cause some power outages, possibly widespread

Consider altering travel plans.

ILLINOIS LAKEFRONT

15 to 20 ft waves, including Chicago lakefront areas; some flooding

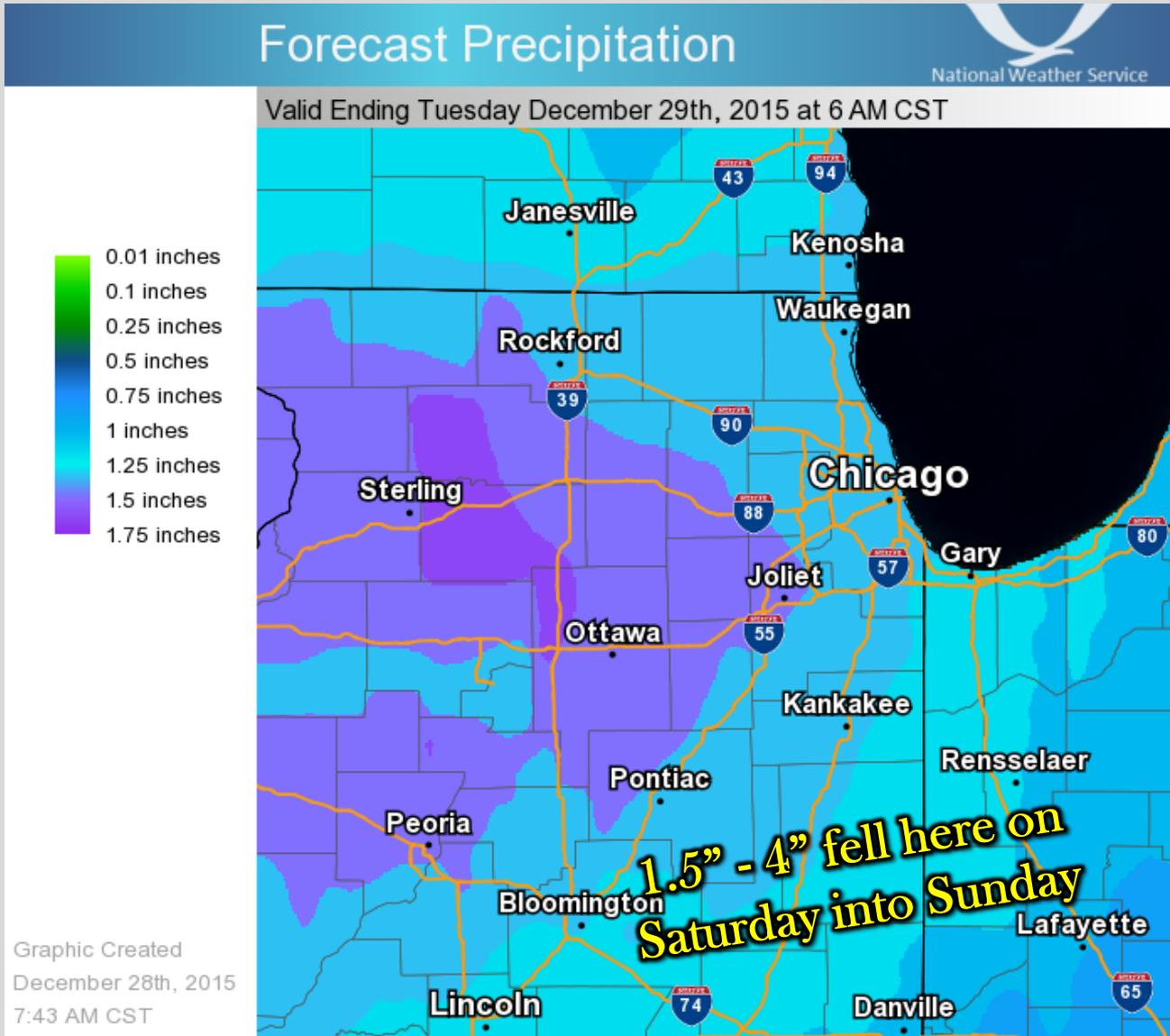


Regional Radar Monday Morning





Forecast Rainfall Through Monday Night





Flood Headlines



Flood Watches Warnings and Advisories



- Areal Flood Warning
- Flood Warning
- Flash Flood Watch
- Flood Advisory



Graphic Created
December 28th, 2015
7:44 AM CST



Sleet Accumulation



Valid Ending Tuesday December 29th, 2015 at 6 AM CST

- Less than an inch
- 1 to 2 inches
- 2 to 3 inches
- 3 to 4 inches
- 4 to 6 inches
- 6 to 8 inches
- 8 to 12 inches
- 12 to 18 inches
- 18 to 24 inches
- 24 to 30 inches
- 30 to 36 inches
- Greater than 36 inches



Graphic Created
December 28th, 2015
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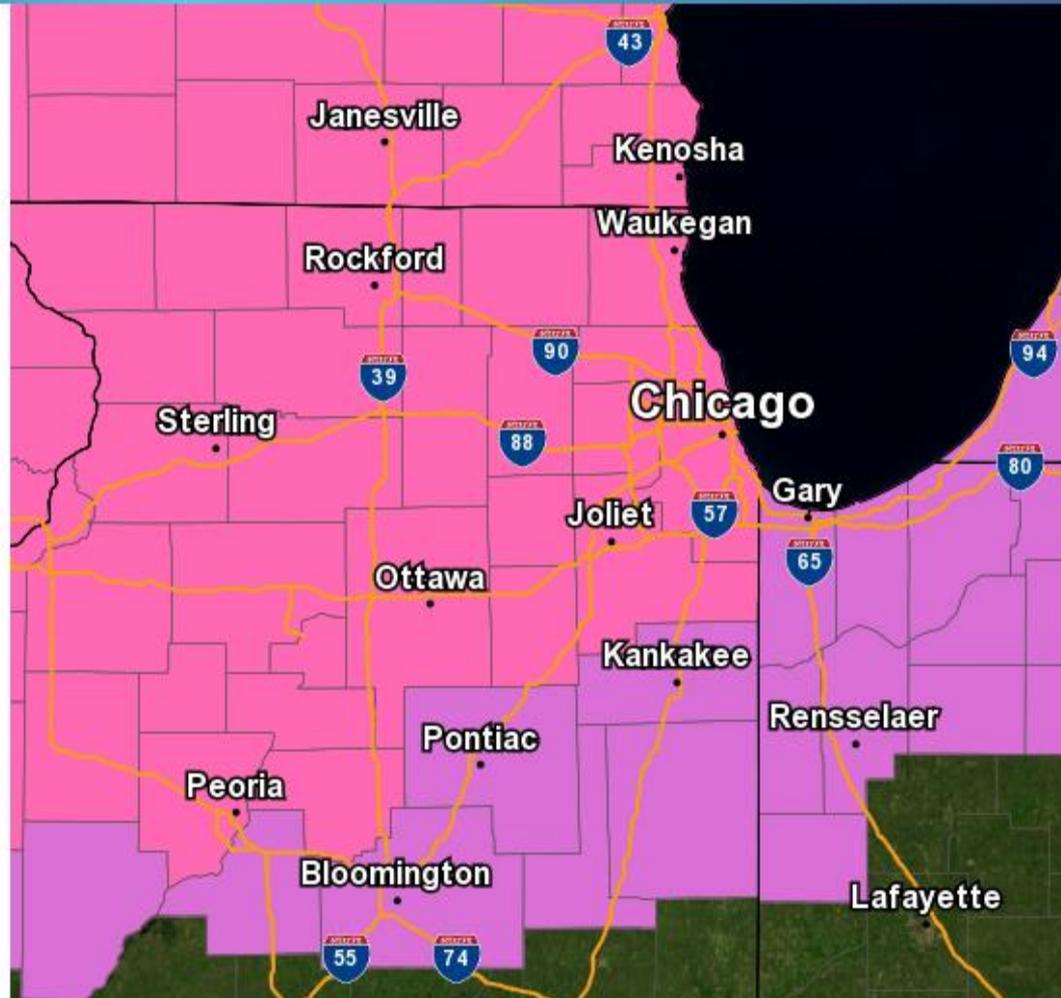
Winter Headlines



Winter Watches Warnings and Advisories

National Weather Service

- Winter Storm Warning
- Freezing Rain Advisory
- Winter Weather Advisory
- Winter Storm Watch



Graphic Created
December 28th, 2015
7:44 AM CST



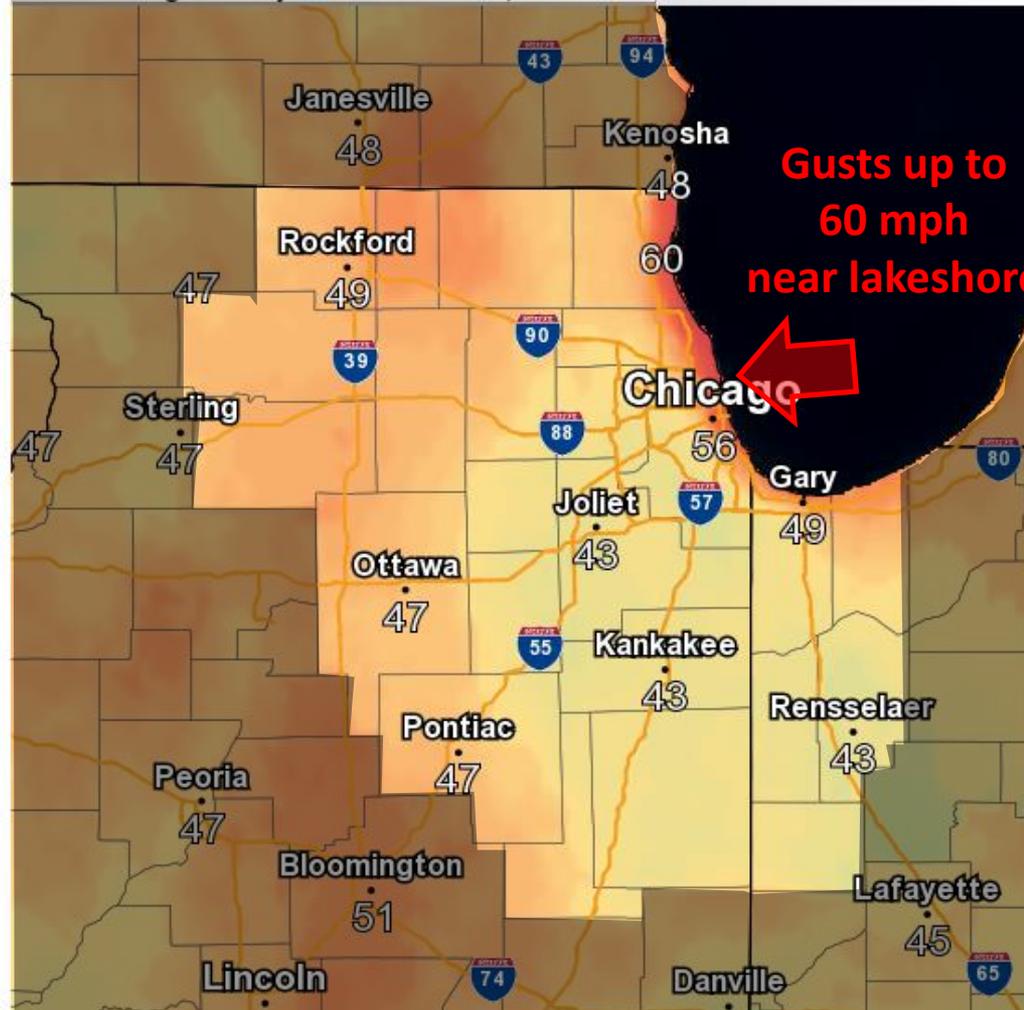
Strong Winds



Maximum Forecast Wind Gusts



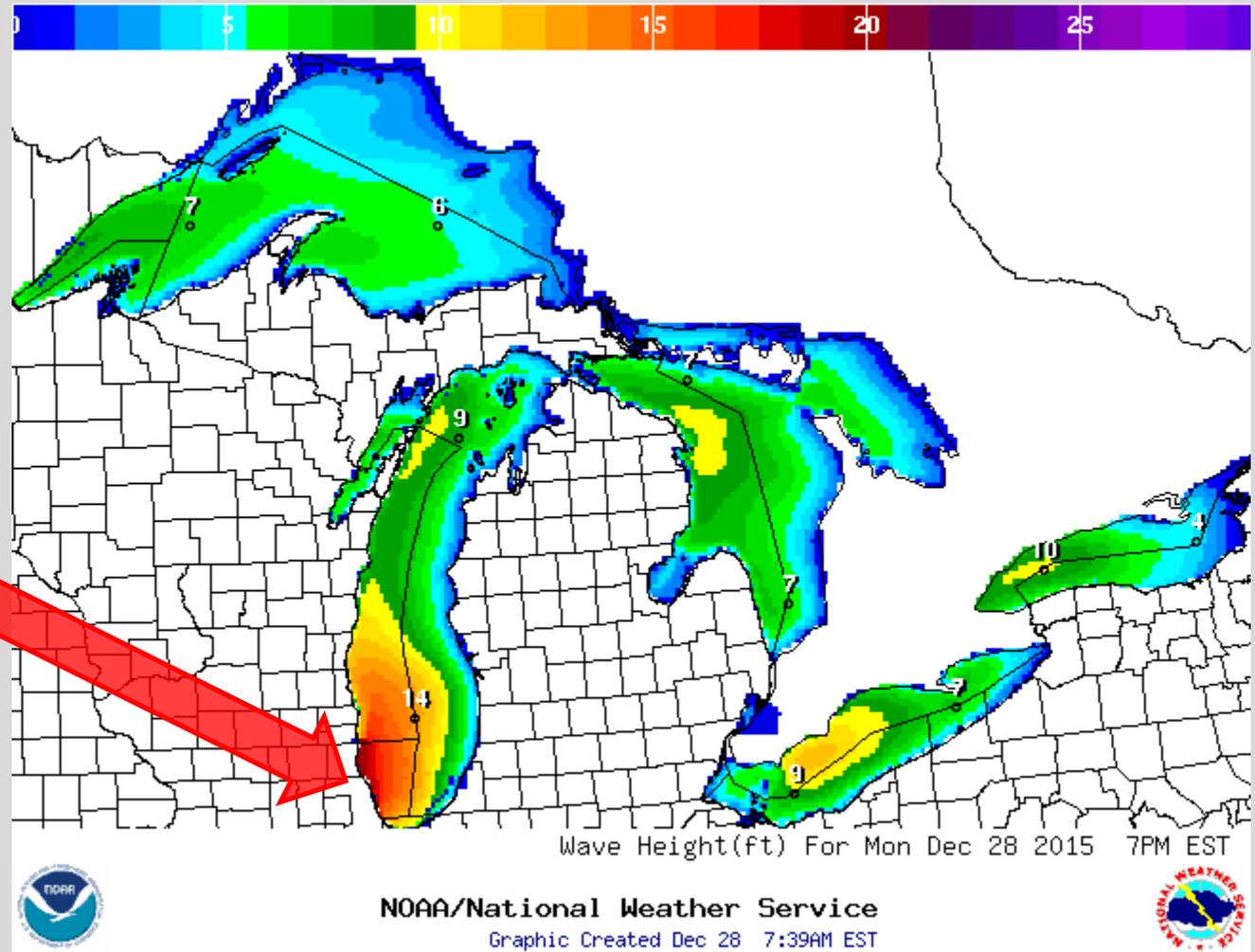
Valid Ending Monday December 28th, 2015 at 9 PM CST



Graphic Created
December 28th, 2015
7:44 AM CST



Lakeshore Flooding Likely



**Lakeshore Flood Warning
Cook & Lake Counties IL
Waves 15-20+ ft**

Most significant lakeshore flooding since Halloween 2014 event possible for Illinois shore



Forecast Challenges



- **Rain is beginning to freeze in many areas early this morning.**
- **Difference of only 1° or 2° will continue to make a big difference between sleet (ice pellets), freezing rain (rain that freezes on contact), and plain rain.**
- **Strong winds + ice accumulation on trees/powerlines will likely result in power outages; potentially widespread.**
- **Confidence remains high in the winds, and this will likely be the largest impact along with lakeside flooding for downtown Chicago.**



Additional Information



[Weather Prediction Center's Winter Outlooks](http://www.wpc.ncep.noaa.gov/wwd/winter_wx.shtml)

http://www.wpc.ncep.noaa.gov/wwd/winter_wx.shtml

[Local Text Hazardous Weather Outlook](http://forecast.weather.gov/product.php?site=NWS&issuedby=LOT&product=HWO)

<http://forecast.weather.gov/product.php?site=NWS&issuedby=LOT&product=HWO>

[Graphical Hazardous Weather Outlook](http://www.weather.gov/lot/ehwo)

<http://www.weather.gov/lot/ehwo>

[NWS Winter Storm Safety Tips](http://www.nws.noaa.gov/os/winter/ice-frost.shtml)

<http://www.nws.noaa.gov/os/winter/ice-frost.shtml>

How to Measure Ice Accretion

1. Break off a very small branch or twig from a tree (best method) or use a flat surface.
2. Use a ruler to measure the thickness of the ice in tenths of an inch.
3. If there is less than a tenth of an inch of ice, report it as a trace of ice accretion.



In this case the Ice Accretion is $5/16$ " , which is the average of $3/16$ " on the right side of the branch and $7/16$ " on the left side of the branch. Using our conversion this would then be converted to a tenth of an inch, resulting in 0.3" of Ice Accretion.

If you are using a regular ruler here is a review of the conversions to the nearest tenth-inch increments:

$1/16 = 0.1$, $1/8 = 0.1$, $3/16 = 0.2$, $1/4 = 0.3$,
 $5/16 = 0.3$, $3/8 = 0.4$, $7/16 = 0.4$, $1/2 = 0.5$,
 $9/16 = 0.6$, $5/8 = 0.6$, $11/16 = 0.7$, $3/4 =$
 0.8 , $13/16 = 0.8$, $7/8 = 0.9$, $15/16 = 0.9$

Illinois and Indiana Winter Weather Preparedness

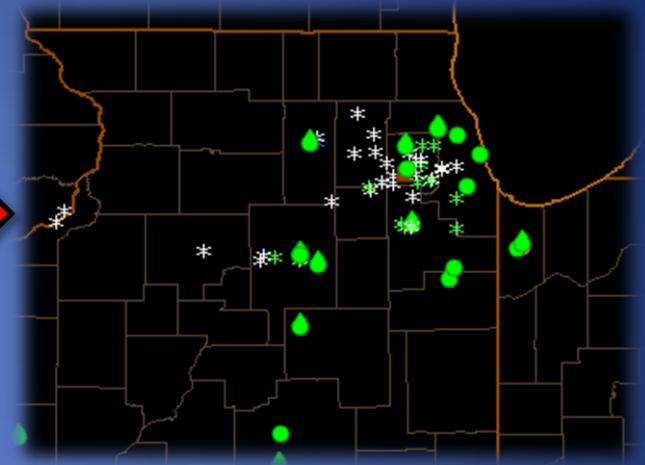
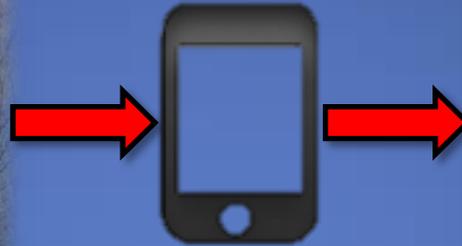


National Weather Service Chicago: weather.gov/chicago

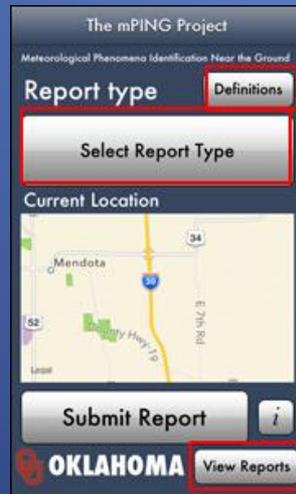


Do You mPING???

How YOU Can Help Meteorologists with your Mobile Device!



How to PING! <http://http://mping.nssl.noaa.gov/>



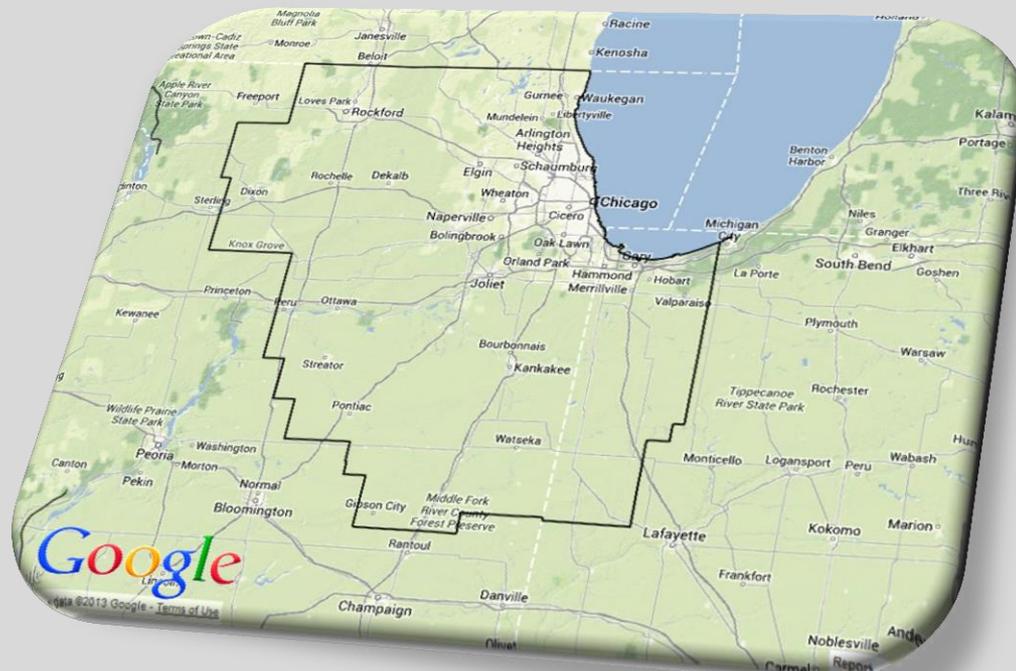
National Weather Service - Chicago, IL





Flooding, Ice, Strong Winds Coming

December 27, 2015 Afternoon Briefing



National Weather Service

Chicago/Romeoville, IL

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