



NWS Resources For School Districts

January 23rd, 2017

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Meteorologist

National Weather Service Twin Cities/Chanhassen, MN



Outline

- Watches/Warnings/Advisories
 - Example of Impact-Based
- Products/Resources Available To You
 - Information you can access on our website
 - iNWS - interactive NWS
 - NWS Chat
 - MASA Weather Page
- Decision Support Services
 - Webinars
 - Email Blasts

Products And Services Available To Decision-Makers

- Call Us! (952-361-6671 or 1-800-692-2110)
 - We answer the phone 24 hours a day.
Remember, we are a 24/7/365 operation!
- Social Media- Follow us on [Facebook](#)/[Twitter](#)
- Utilize [NWSChat](#)
- Email us nws.twincities@noaa.gov

Products And Services Available To Decision-Makers

- Warnings/Advisories/Watches
 - How are they defined?
 - Pros/Cons
 - Statistics

Watch, Warning, Advisory

- WATCH: Weather having a **significant impact** on society is **possible** but details are uncertain.



Watch, Warning, Advisory

- **WARNING:** Weather having a **significant** impact on society is **imminent or highly likely**. Dangerous conditions expected.



Watch, Warning, Advisory

- **ADVISORY:** Weather having a **moderate** impact on society is **imminent or highly likely**. Hazardous conditions expected, but should not be dangerous if precautions are taken.



NWS Warning Criteria (discretion)

- Ice Storm: $\frac{1}{4}$ " ice or more
- **Wind Chill: -35 F**
- High Wind: 40 mph sustained, 58 mph gusts
- Heat: 100 heat index (105 outstate)
- Flood: river reaches flood stage or long-term areal
- Flash Flood: life threatening
- Severe Tstm: 58 mph and/or 1" hail
- Tornado: radar or spotter

NWS Products

- Winter Storm Warning
 - **Snow of 6" or more in 12 hours**
 - Or Snow of 8" or more in 24 hours
 - Or 1/2" or more of sleet
 - Or a combination of heavy snow, sleet, significant wind, or freezing rain

NWS Products

- Winter Storm Watch/Blizzard Watch
- Watches are issued once the forecaster reaches 50% confidence in an event reaching the criteria.
- We continue to move to forecaster discretion based on impacts
- The process is evolving... “NWS will evolve from static definitions toward a services model”

Pros Of Watch Products

- Pros
 - Provides you with a “heads up” 36+ hours ahead of time
 - Well communicated
 - Area and time defined

Cons Of Watch Products

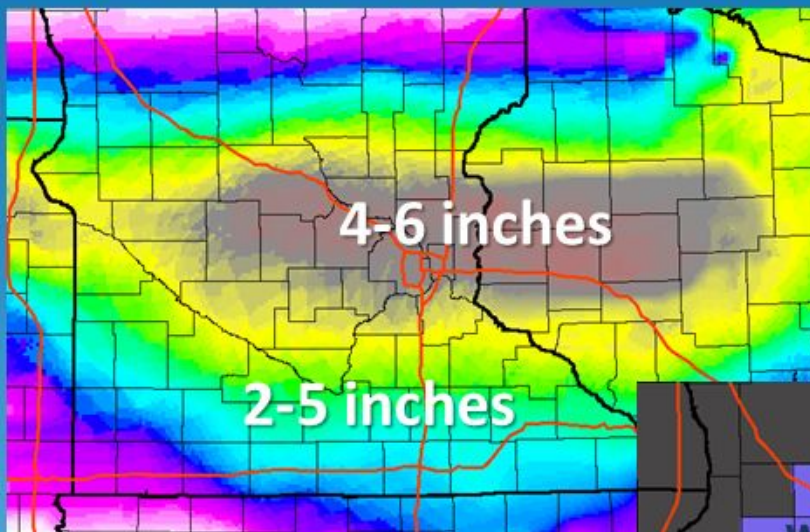
- Cons
 - Can be misinterpreted
 - Watches = 50% of criteria being reached. What does this mean to the user?
 - Many expect a Watch to become a Warning. This is a misinterpretation of the product

January 30th, 2014

- Heavy snow occurred across the metro from 6AM-9AM on a Thursday morning.
- Amounts were generally under 6", but a Winter Storm Warning was issued the night before due to expected societal impacts from the timing and intensity of the snow.



Thursday Morning Commute Expected to be Severely Impacted

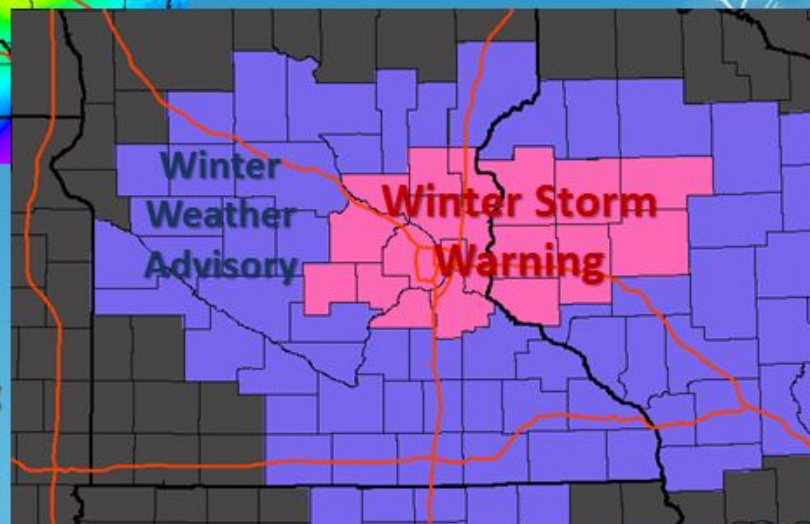


Quick Hitting Snow:

- Severe travel delays Thursday morning
- Snow accumulations of 2 to 5 inches, except in a strip from Glencoe to Rice Lake: 4-6 inches

Timing:

- Snow begins between 3-6 am
- Becomes heavy quickly thereafter
- Heavy snow during entire morning commute
- Snow ends mid to late morning



National Weather Service – Twin Cities/Chanhassen, Minnesota ○ Issued: 9:21 PM - 1/29/2014



<http://www.facebook.com/US.NationalWeatherService.TwinCities.gov>

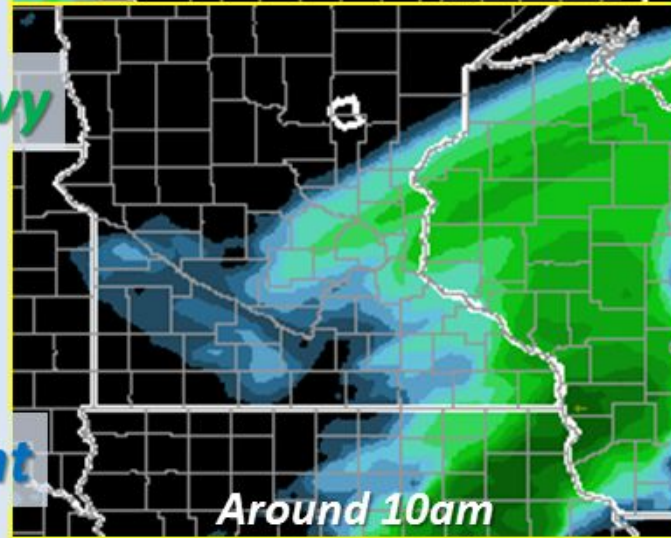
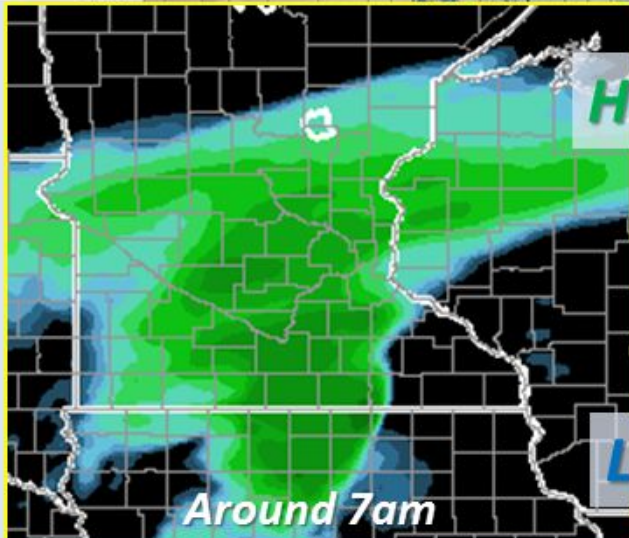
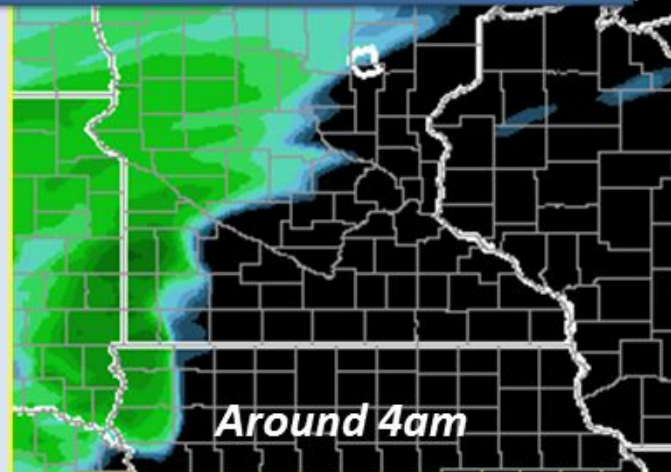


@NWSTwinCities



January 30th, 2014

Timing Snowfall in for Thursday Morning



National Weather Service – Twin Cities/Chanhassen, Minnesota ○ Issued: 12:38 AM - 1/30/2014



<http://www.facebook.com/US.NationalWeatherService.TwinCities.gov>



@NWSTwinCities



January 30th, 2014

AFD Update

AREA FORECAST DISCUSSION...UPDATED
NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN
836 PM CST WED JAN 29 2014

. UPDATE...
ISSUED AT 836 PM CST WED JAN 29 2014

SIGNIFICANT UPDATES HAVE BEEN MADE TO THE FORECAST LATE TONIGHT AND EARLY THURSDAY. SHORT TERM MODELS AND THE 00Z NAM HAVE COME CONSIDERABLY FARTHER NORTH AND HAVE BECOME MORE INTENSE WITH THE BAND OF SNOW. IT WILL BE A QUICK HITTING SYSTEM...BUT IT WILL BE ACCOMPANIED BY VERY HEAVY SNOW DURING THE MORNING RUSH WHICH WILL LIKELY BRING SEVERE IMPACTS.

THE LOW CURRENTLY IS LOCATED OVER SOUTHWESTERN SD AND WILL TRACK ALONG THE SD/NE BORDER INTO SOUTHEASTERN MN BY MIDDAY THURSDAY. THE SNOW IS CURRENTLY FALLING IN A RELATIVELY DATA SPARSE AREA OF SOUTHEASTERN MT...BUT MILES CITY HAS REPORTED 1/2-3/4 MILE SNOW FOR THE PAST FEW HOURS. AS THIS DISTURBANCE ROTATES EASTWARD...THE 700 MB TROUGH WILL DEEPEN OVER MN AT 12Z AND CONTINUE TO DO SO OVER WI BY 18Z. DEEP OMEGA WITHIN THE DGZ AND A FAIRLY HIGH AMOUNT OF MOISTURE FOR LATE JANUARY WITH PW VALUES OF AROUND 0.4 INCHES /ABOVE THE 75TH PERCENTILE/ SHOULD WORK TO PRODUCE VERY INTENSE SNOW RATES AT TIMES. THESE SNOW RATES COULD REACH 1-2 INCHES PER HOUR DURING THE HEIGHT OF THE EVENT...SURE TO WREAK HAVOC WITH THE MORNING COMMUTE. THE HOPWRF...HRRR...AND RAP ALL GENERALLY AGREE WITH THE LOCATION/AXIS OF HEAVY SNOW STRETCHING FROM GLENCOE TO THE TWIN CITIES AND RICE LAKE. NEW 00Z NAM HAS COME INTO LINE WITH THIS IDEA AS WELL SO CONFIDENCE HAS INCREASED ENOUGH TO POST A WARNING ALONG THIS AXIS AND AN ADVISORY ELSEWHERE. FUTURE ADJUSTMENTS MAY BE NECESSARY AS THE REST OF THE 00Z MODEL SUITE IS GENERATED.

NWS Products

- Winter Weather Advisory
- Snow of 3-6"
- Blowing Snow causing significant visibility restrictions
- Sleet of less than $\frac{1}{2}$ "
- Exceptions to these guidelines exist based on forecaster judgment
 - Impacts

NWS Products

- Blizzard Warning
 - 35+ mph (sustained or frequent gusts)
 - Visibility frequently $< \frac{1}{4}$ mile
 - Considerable falling OR blowing snow
- What's missing?
 - Snowfall amount

Pros Of Warning Products

- Pros
 - Clearly defines an area and time when impacts will occur
 - Clearly defines the hazard
 - Communication of these products
Well advertised- easy for you to get this information
 - Consistency

Cons Of Warning Products

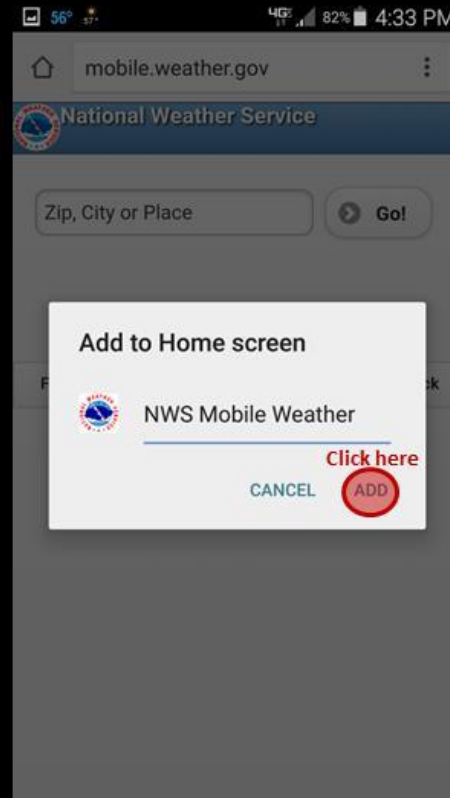
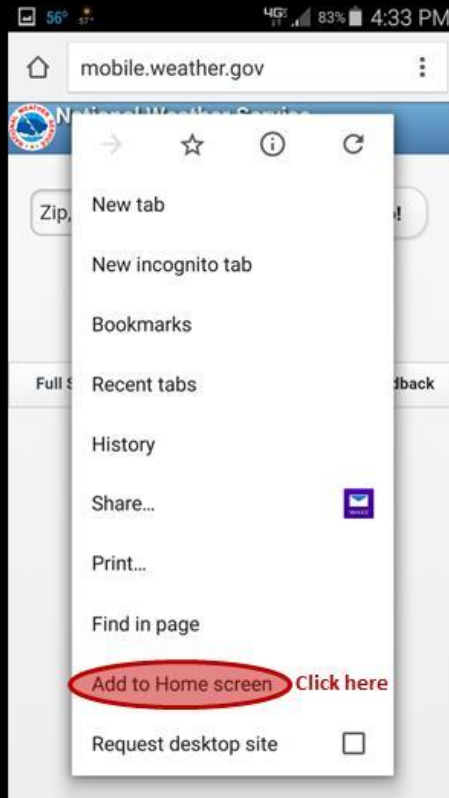
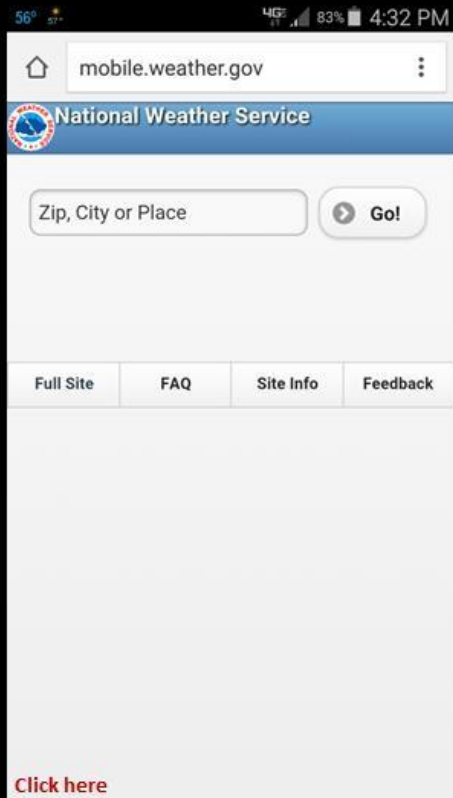
- Cons
 - County based- we are limited to county borders
 - Difficult to get away from issuing based on static definitions
 - Often lacks a description of forecaster confidence
 - Can be difficult to interpret large blocks of text

Products And Services Available To You

- Additional Useful Resources
 - Mobile Devices
 - Hourly Weather Graph
 - AFD- Area Forecast Discussion
 - Graphical Forecasts
 - EHWO- Enhanced Hazardous Weather Outlook
 - Snowfall Probabilities
 - iNWS- interactive NWS
 - NWS Chat
 - MASA Weather Page

Mobile Devices – NWS Info

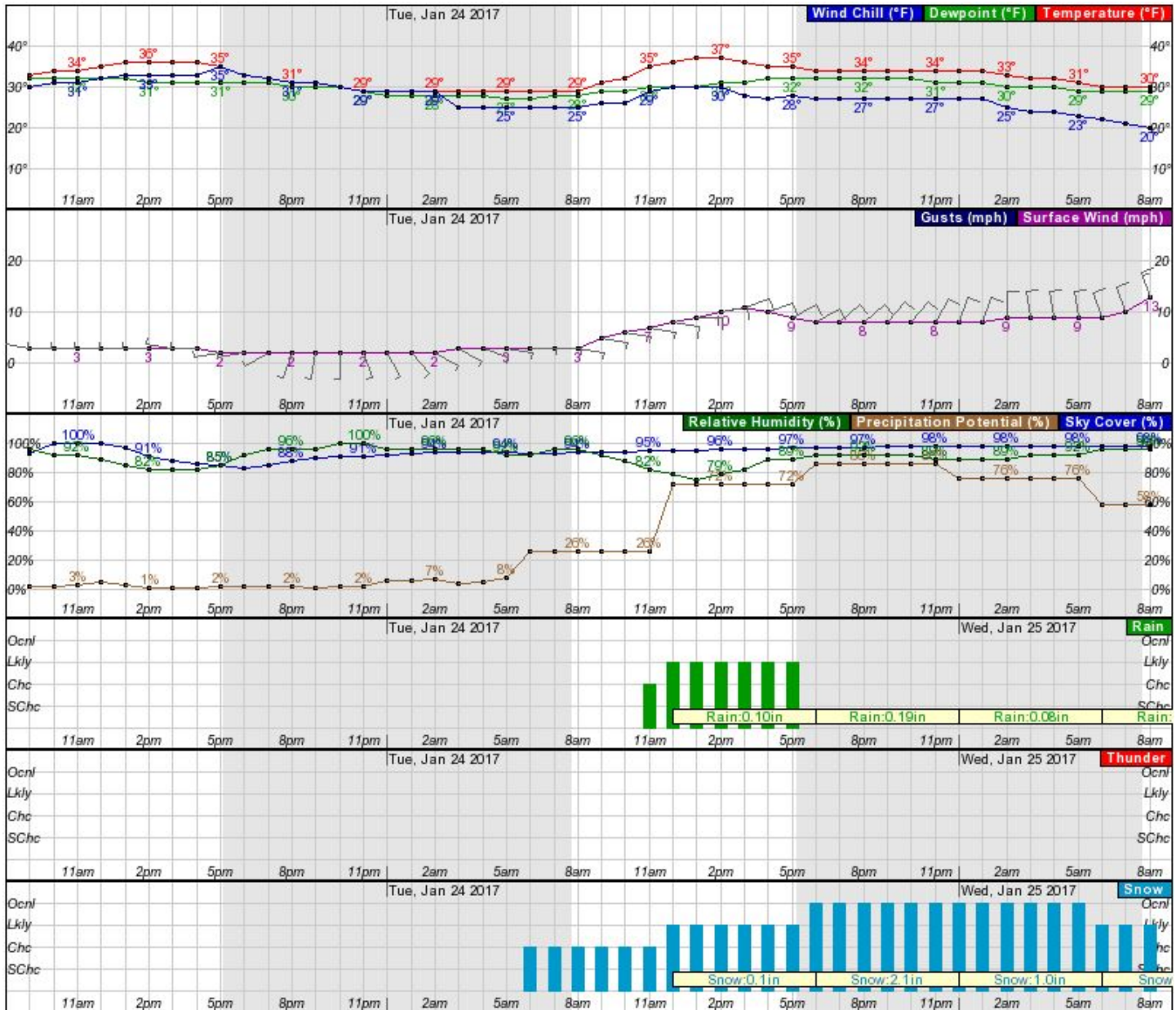
mobile.weather.gov



Useful Resources

- The Hourly Weather Graph/Table
- An interactive graph showing hourly details for weather elements for any location
- A great tool in aiding decision-making
- When will the snow be the heaviest?
- **What exact timeframe will windchills be the coldest?**

The Hourly Weather Graph



How To Get To The Hourly Weather Graph

1) Go to our national website: weather.gov

The screenshot shows the National Weather Service website interface. At the top, the NOAA logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION" are visible. A navigation bar includes links for HOME, FORECAST, PAST WEATHER, WEATHER SAFETY, INFORMATION CENTER, NEWS, SEARCH, and ABOUT.

The main content area features a "Local forecast by 'City, ST' or ZIP code" section with an input field for "Enter location ..." and a "Go" button. Below this is a "Location Help" link. A weather alert titled "Colder weather expected across eastern U.S." is displayed, with a summary: "A cold front moving across the eastern half of the country will usher in much colder air across the region. Many locations that saw highs in the 70s or 80s on Tuesday will see temperatures 10-15 degrees cooler on Wednesday, closer to the average for this time of year. Showers and isolated thunderstorms are forecast along and behind the frontal boundary, from the Mid-Atlantic to the Deep South." A "Read More..." link is provided below the alert.

Below the alert is a "Customize Your Weather.gov" sidebar with a "City, ST" input field, a "Remember Me" checkbox, and a "Get Weather" button with a "Privacy Policy" link. To the right of the sidebar is a navigation bar for "ACTIVE ALERTS", "FORECAST MAPS", "RADAR", "RIVERS, LAKES, RAINFALL", "AIR QUALITY", "SATELLITE", and "PAST WEATHER".

The main map area shows a map of the United States with a grid overlay. A timestamp "Created: 10/29/14 at 17:35 UTC" is displayed above the map. The map shows various colored regions indicating active alerts, with a red triangle marker in the central U.S. Below the main map are two smaller inset maps of Alaska and Hawaii. At the bottom of the map area, there are links for "American Samoa", "Guam", and "Puerto Rico/Virgin Islands".

At the very bottom, there is a prompt: "Click on the map above for detailed alerts or" followed by a "Warnings By State" dropdown menu, a "Go" button, and a link for "Public Alerts in XML/CAP v1.1 and ATOM Formats".

How To Get To The Hourly Weather Graph

2) Submit your local city or zip code in the box in the upper left hand corner

The screenshot shows the National Weather Service website interface. At the top, the NOAA logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION" are visible. A navigation bar includes links for HOME, FORECAST, PAST WEATHER, WEATHER SAFETY, INFORMATION CENTER, NEWS, SEARCH, and ABOUT. Below the navigation bar, there is a section for local forecasts. A yellow box highlights the input area where a user can enter a city, state, or ZIP code, with a "Go" button and a "Location Help" link. To the right of this input area, a headline reads "Colder weather expected across eastern U.S." followed by a paragraph of text and a "Read More..." link. Below the headline, a horizontal menu lists various weather services: ACTIVE ALERTS, FORECAST MAPS, RADAR, RIVERS, LAKES, RAINFALL, AIR QUALITY, SATELLITE, and PAST WEATHER. On the left side, there is a green sidebar titled "Customize Your Weather.gov" with a search input field, a "Remember Me" checkbox, and a "Get Weather" button with a "Privacy Policy" link. The main content area features a map of the United States with a grid overlay, showing weather patterns. The map is titled "Created: 10/29/14 at 17:35 UTC". Below the map, there are two small inset maps and a dropdown menu for "Warnings By State" with a "Go" button and a link for "Public Alerts in XML/CAP v1.1 and ATOM Formats".

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER WEATHER SAFETY INFORMATION CENTER NEWS SEARCH ABOUT

Local forecast by "City, ST" or ZIP code
Enter location ...
[Location Help](#)

Colder weather expected across eastern U.S.
A cold front moving across the eastern half of the country will usher in much colder air across the region. Many locations that saw highs in the 70s or 80s on Tuesday will see temperatures 10-15 degrees cooler on Wednesday, closer to the average for this time of year. Showers and isolated thunderstorms are forecast along and behind the frontal boundary, from the Mid-Atlantic to the Deep South.
[Read More...](#)

ACTIVE ALERTS FORECAST MAPS RADAR RIVERS, LAKES, RAINFALL AIR QUALITY SATELLITE PAST WEATHER

Customize Your Weather.gov
City, ST
Enter Your City, ST or ZIP Code
 Remember Me

[Privacy Policy](#)

Created: 10/29/14 at 17:35 UTC

[American Samoa](#) [Guam](#) [Puerto Rico/Virgin Islands](#)

Click on the map above for detailed alerts or [Public Alerts in XML/CAP v1.1 and ATOM Formats](#)

How To Get To The Hourly Weather Graph

3) Your local forecast comes up, find the “hourly weather graph” on the right hand side

Saturday	Mostly cloudy, with a high near 28. Northwest wind around 10 mph.
Saturday Night	Mostly cloudy, with a low around 17. Northwest wind 5 to 10 mph.
Sunday	Partly sunny, with a high near 28. West northwest wind around 5 mph.

Additional Forecasts and Information

ZONE AREA FORECAST FOR HENNEPIN COUNTY, MN

[Forecast Discussion](#)
[Printable Forecast](#)
[Text Only Forecast](#)

[Hourly Weather Forecast](#)
[Tabular Forecast](#)

[Air Quality Forecasts](#)
[International System of Units](#)
[About Point Forecasts](#)

[Home](#)
[Graphical Forecasts](#)
[Severe Weather](#)

[Hazardous Weather Outlook](#)
[Regional Weather Conditions](#)
[Local/Historical Climatology](#)

[Fire Weather](#)



Forecast Area

Point Forecast: 2 Miles S Richfield MN
44.85°N 93.28°W (Elev. 846 ft)

Last Update: 7:09 am CST Jan 23, 2017

Forecast Valid: 9am CST Jan 23, 2017-6pm CST Jan 29, 2017

[Forecast Discussion](#)

[KML](#)

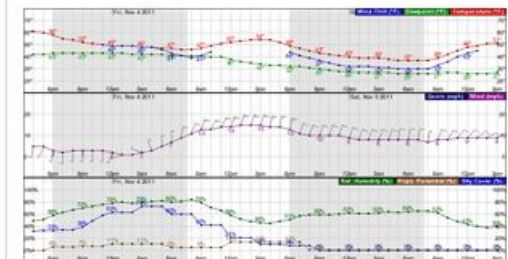
[XML](#)

Additional Resources

Radar & Satellite Image



Hourly Weather Forecast



Area Forecast Discussion

- This product explains the thinking behind the forecast and is generated by the forecaster after they've completed their forecast
- The AFD is updated at least 2x per day
- Updated ~4 AM and ~4PM

An AFD Example

.SHORT TERM... (THIS EVENING THROUGH THURSDAY)
ISSUED AT 249 PM CST WED JAN 29 2014

ACCUMULATING SNOW EXPECTED TO BEGIN OVERNIGHT ACROSS THE SOUTHWESTERN MINNESOTA AND MOVE WEST TO EAST ACROSS THE REMAINDER OF SOUTHERN MINNESOTA AND WESTERN WISCONSIN DURING THE MORNING TOMORROW. THE MORNING COMMUTE WILL BE HEAVILY IMPACTED...AS THE HEAVIEST SNOW LOOKS TO REACH THE METRO FROM ROUGHLY 6AM-9AM. A WINTER WEATHER ADVISORY WAS POSTED AFTER COLLABORATION WITH ARX AND DMX...WITH THE HEAVIEST SNOW AMOUNTS EXPECTED IN IN THE ARX CWA. STILL...ALBERT LEA THROUGH RED WIND...AND OVER TO EAU CLAIRE ARE EXPECTED TO SEE ROUGHLY 3-4 INCHES OF SNOW...WHICH WILL BE HEAVY AT TIMES DURING THE PEAK TRAVEL TIME THURSDAY MORNING. THE 29.12 RUN OF THE ECMWF INCREASED QPF TO THE NORTH AND BETTER MATCHES THE NCEP MODELS. PREVIOUS FORECAST LOOKED VERY GOOD...SO ONLY MINOR TWEAKS WERE MADE...MAINLY TO THE TIMING WHICH DELAYED THE ONSET OF THE SNOW BY ABOUT TWO HOURS. UPPER LEVEL DYNAMICS LOOK GOOD TOMORROW MORNING ACROSS THE AREA...WITH THE BEST UPPER LEVEL FORCING MOVING ACROSS SOUTHERN MN OVERNIGHT AND INCREASING OVER SOUTHEASTERN MN INTO WESTERN WI. THE GOING FORECAST CALLS FOR THE HIGHEST AMOUNTS IN THIS AREA...PRIMARILY FALLING FROM 12Z TO 18Z TOMORROW. HOWEVER...THIS IS A LOW CONFIDENCE IN FORECAST DUE TO LACK OF AGREEMENT AMONG HIGH-RESOLUTION MODEL GUIDANCE. THE LIFT STILL LOOKS GOOD ON THE 295K SURFACE AS THE STRONG UPLIDE BEGINS TO COINCIDE WITH A SATURATED ENVIRONMENT BY 09Z ACROSS WESTERN MN. FOR THE METRO...2"-3" STILL LOOKS ON TRACK ACROSS THE SOUTHERN PORTION...WITH CLOSER TO 1"-2" ACROSS THE NORTH. WINDS WILL TURN NORTHWEST AND GET BLUSTERY TOMORROW AFTERNOON AS THE SNOW MACHINE SHUTS OFF.

Area Forecast Discussion

- Go to our local website: weather.gov/twincities
- Hover over “Forecasts” on the top center, and click on “Forecast Discussion”

NWS Forecast Office - Twin Cities/Chanhassen, MN Twin Cities, MN
Weather Forecast Office

City, ST
Enter Your City, ST or ZIP Code
Remember Me
Get Weather
Privacy Policy

Current Hazards | Current Conditions | Radar | **Forecasts** | Rivers and Lakes | Climate and Past Weather | Local Information

Click on the map below to zoom in.

Watches, Warnings & Advisories
There are no watches, warnings, or advisories at this time.

Short term graphiccast in effect

Thursday, April 16, 2015

Last Map Update: Thu, Apr. 16, 2015 at 7:45:24 pm CDT

A Pleasant Day on Friday with Rain This Weekend
Forecast Precipitation
Rain
Amounts from Saturday through Sunday
Mostly sunny and warm on Friday (total 20) to one inch of rain this weekend
Much cooler temperatures next week with highs only in the 40s

	FRI	SAT	SUN
High	68F	63F	58F
Low	70F	65F	59F

Weather Story

Local Radar

Weather Map

Follow us on Twitter | Follow us on Facebook | Follow us on YouTube | MPX RSS Feed

Weather Graphics

- We produce a “Weather Story” updated every evening and early morning, sometimes more
- In addition to reading our forecast products, you may find these very beneficial ahead of a winter storm
- You can find the weather story on our home page and our Facebook and Twitter accounts

Friday Snowstorm Is Shifting East

As of now the **heaviest snow** will be in west central MN to northeast MN Friday morning to Friday night.

This track will likely change slightly over the next few days, so **check the forecast for updates.**



Created 6:00am Nov 15, 2016

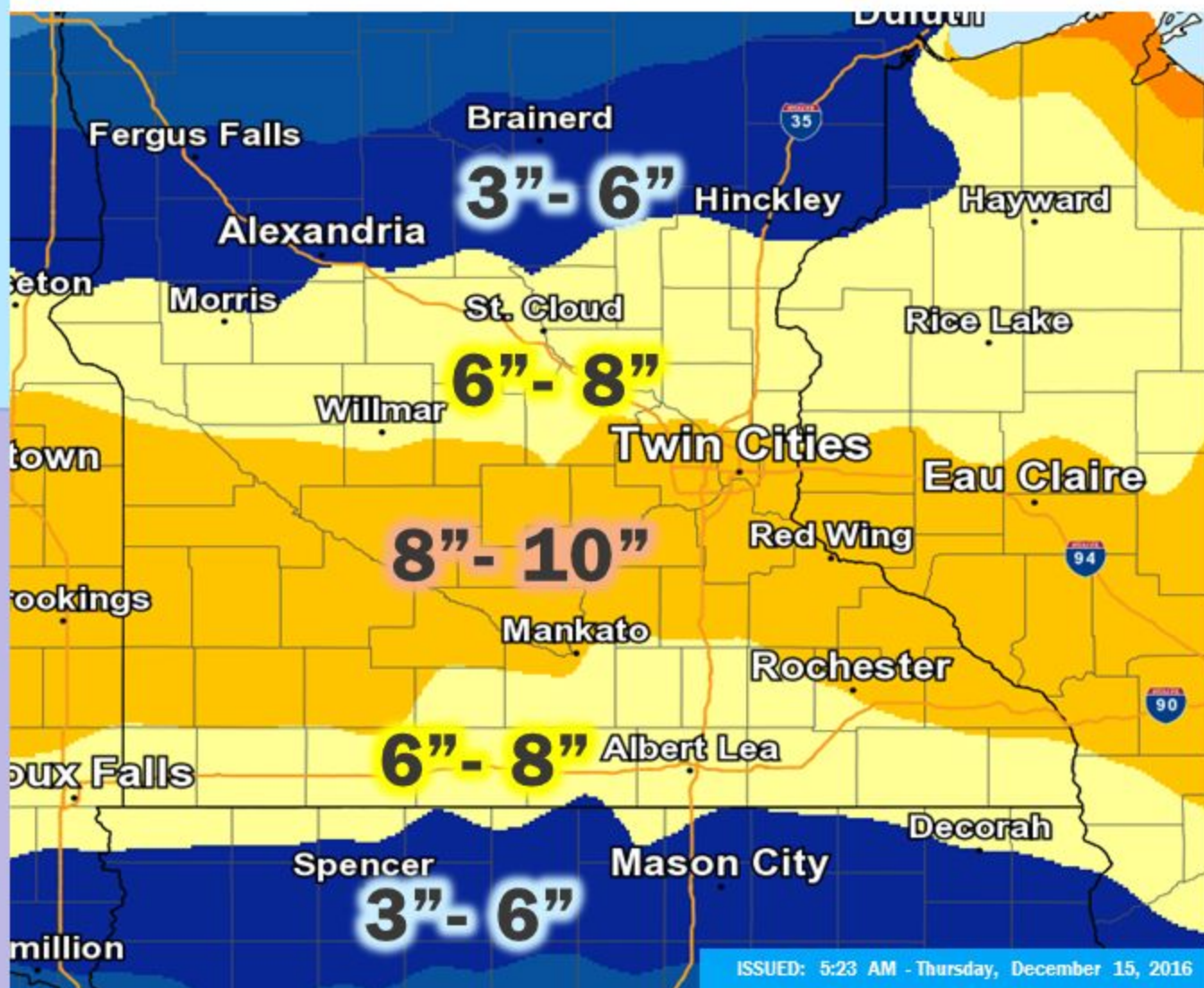
National Weather Service – Twin Cities



WINTER STORM COMING

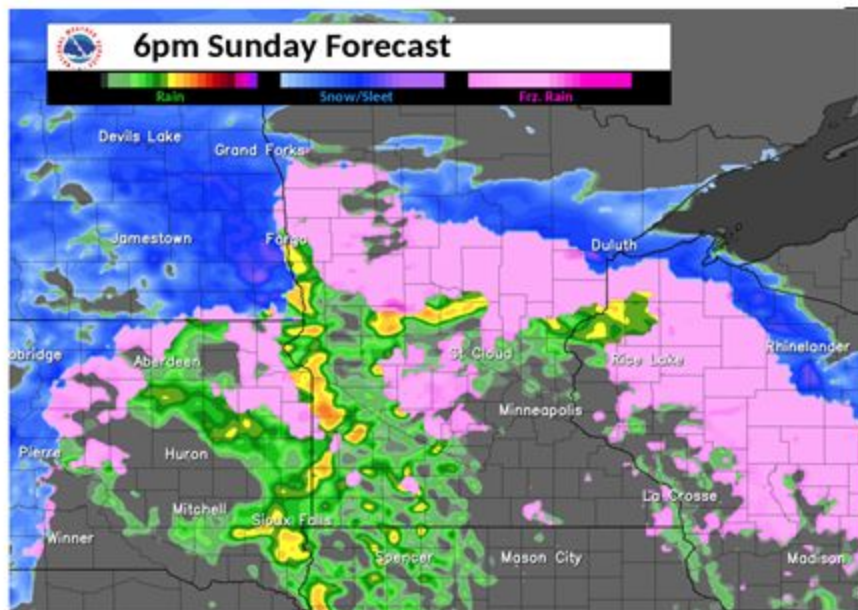
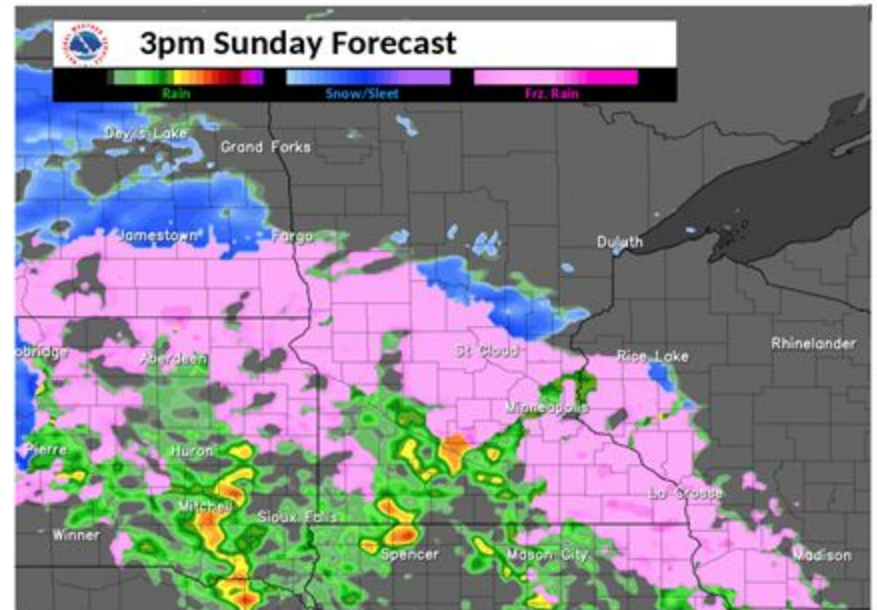
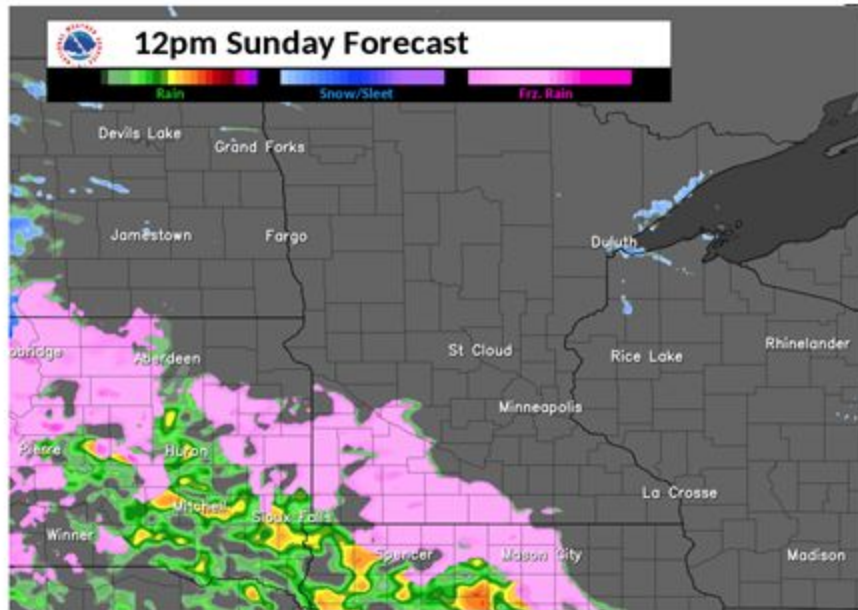
Snowfall Amounts Fri- Sat

- FRI 3am** Light Snow Begins
- FRI 12pm** Moderate to Heavy Snow Begins
- SAT 12am** Light to Moderate Snow
- SAT 6am** Light Snow Blowing Snow Temps Crash
- SAT 12pm** Snow Ending Blowing Snow Continues



Precipitation Forecast for Today

Twin Cities

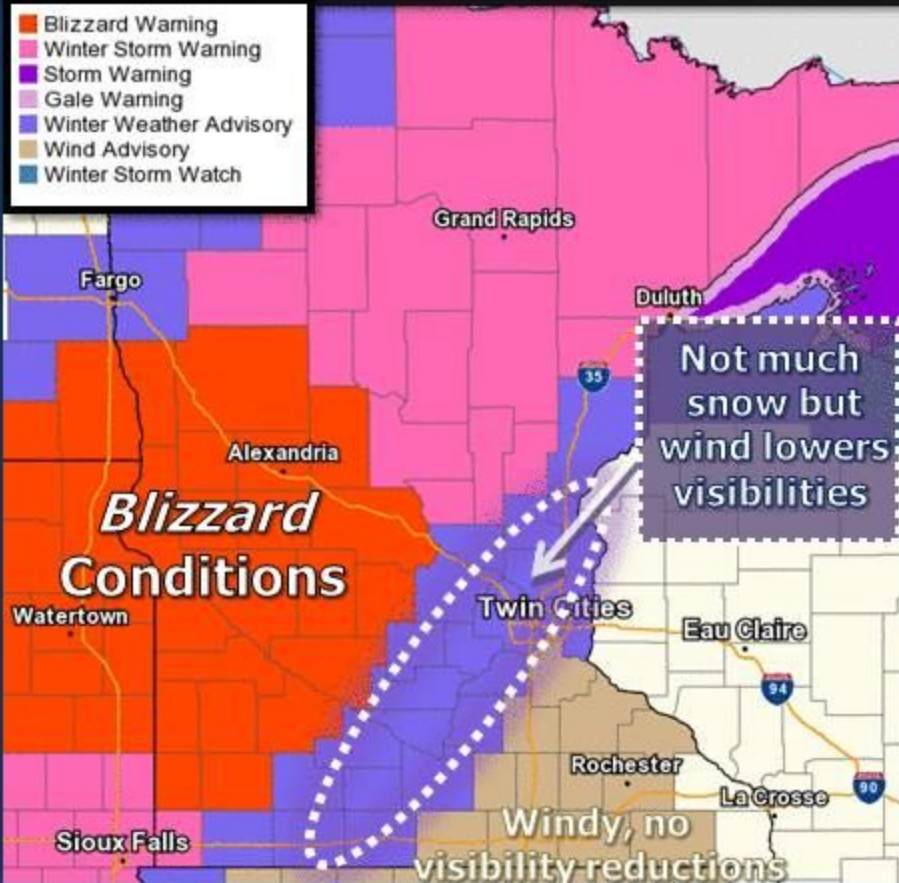


Powerful Storm Friday

Blizzard for Western MN

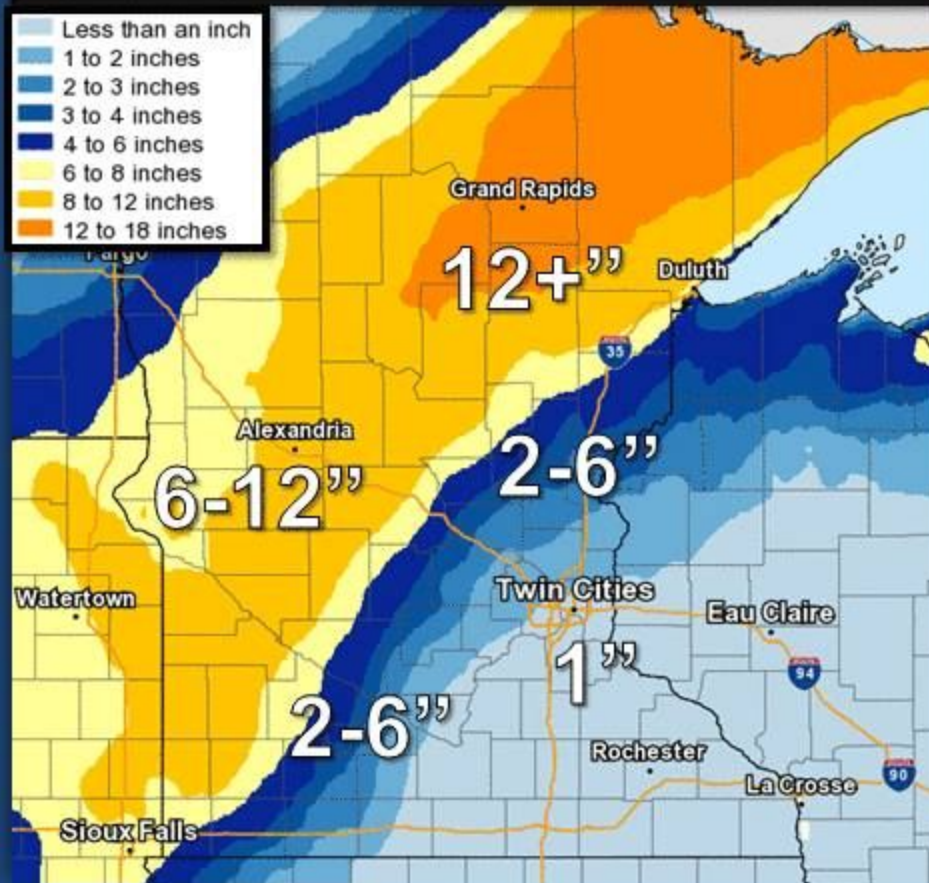
Hazards Map

- Blizzard Warning
- Winter Storm Warning
- Storm Warning
- Gale Warning
- Winter Weather Advisory
- Wind Advisory
- Winter Storm Watch



Snowfall Totals

- 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



National Weather Service

Twin Cities/Chanhassen, MN



Issued: 5:45 PM - Thursday, November 17, 2016

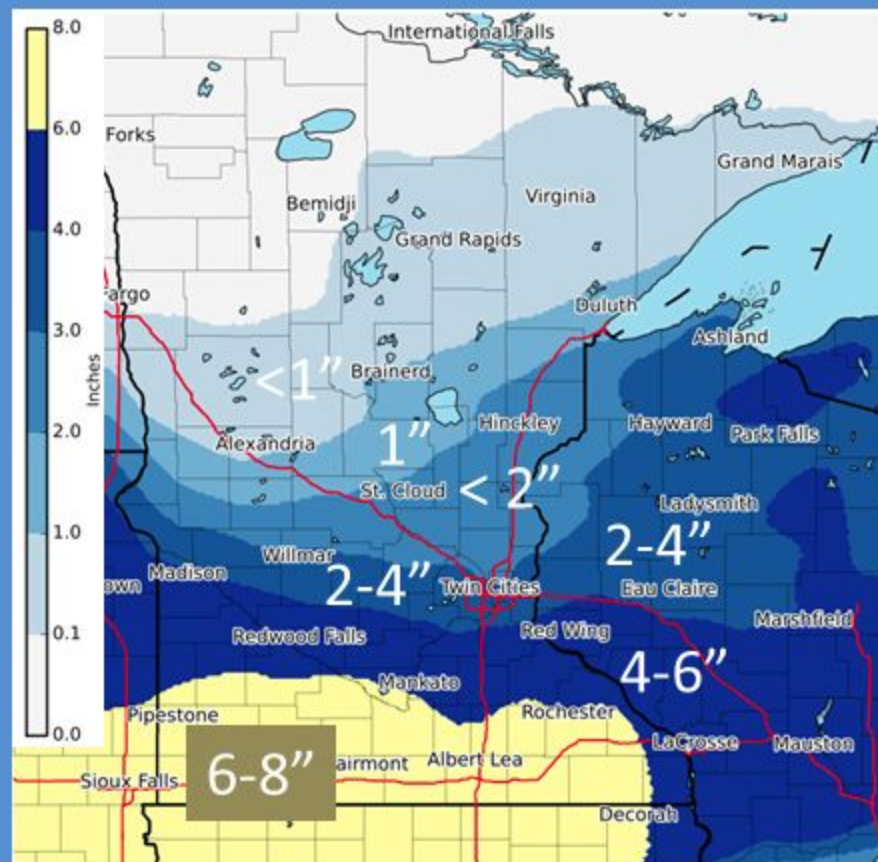
Snow Returns on Tuesday

Winter Storm Watch
Tuesday into Wednesday



Stay tuned as the Watch could be expanded to the north and east

Potential
Snow Accumulations



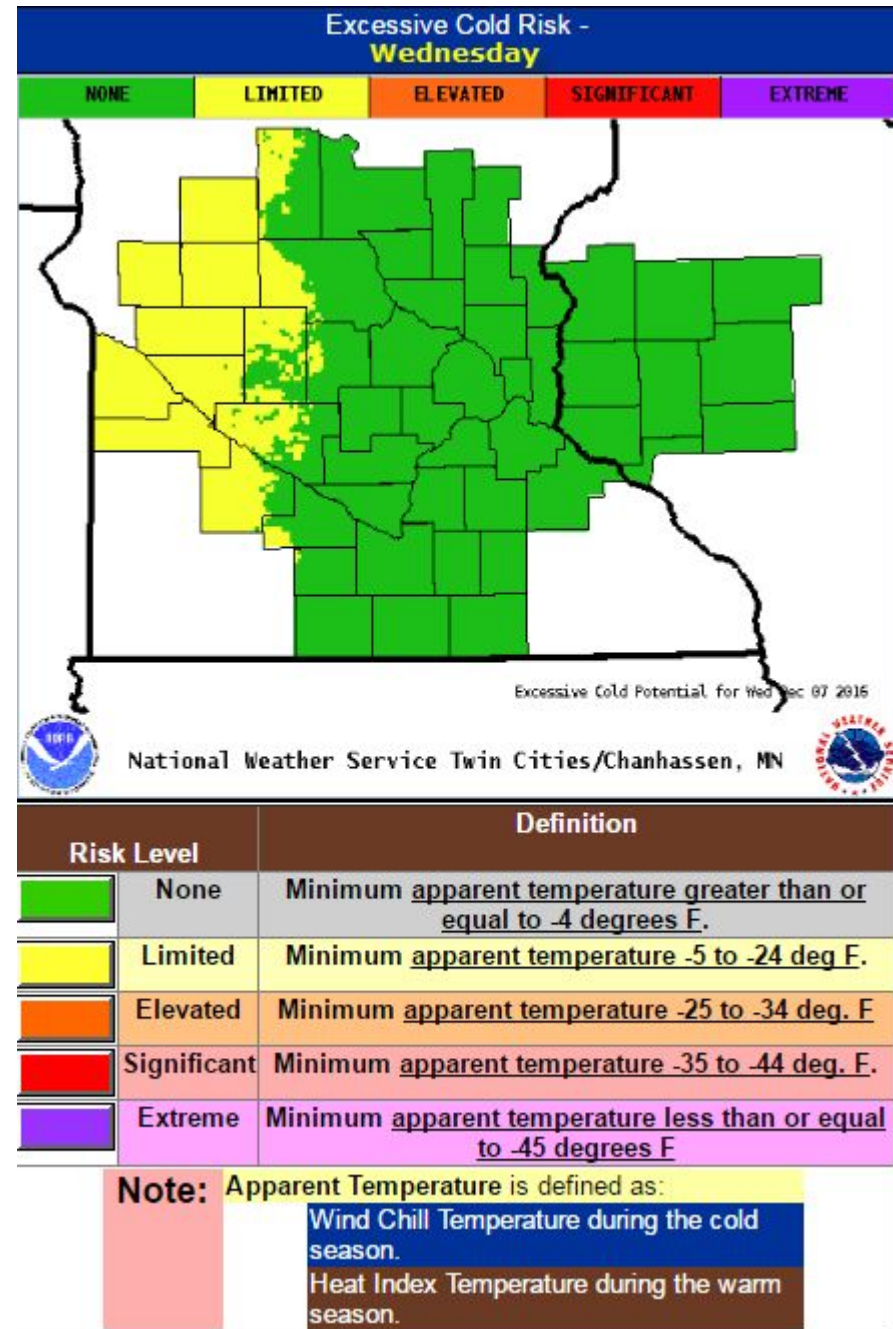
Tuesday morning thru Wednesday morning

weather.gov/TwinCities



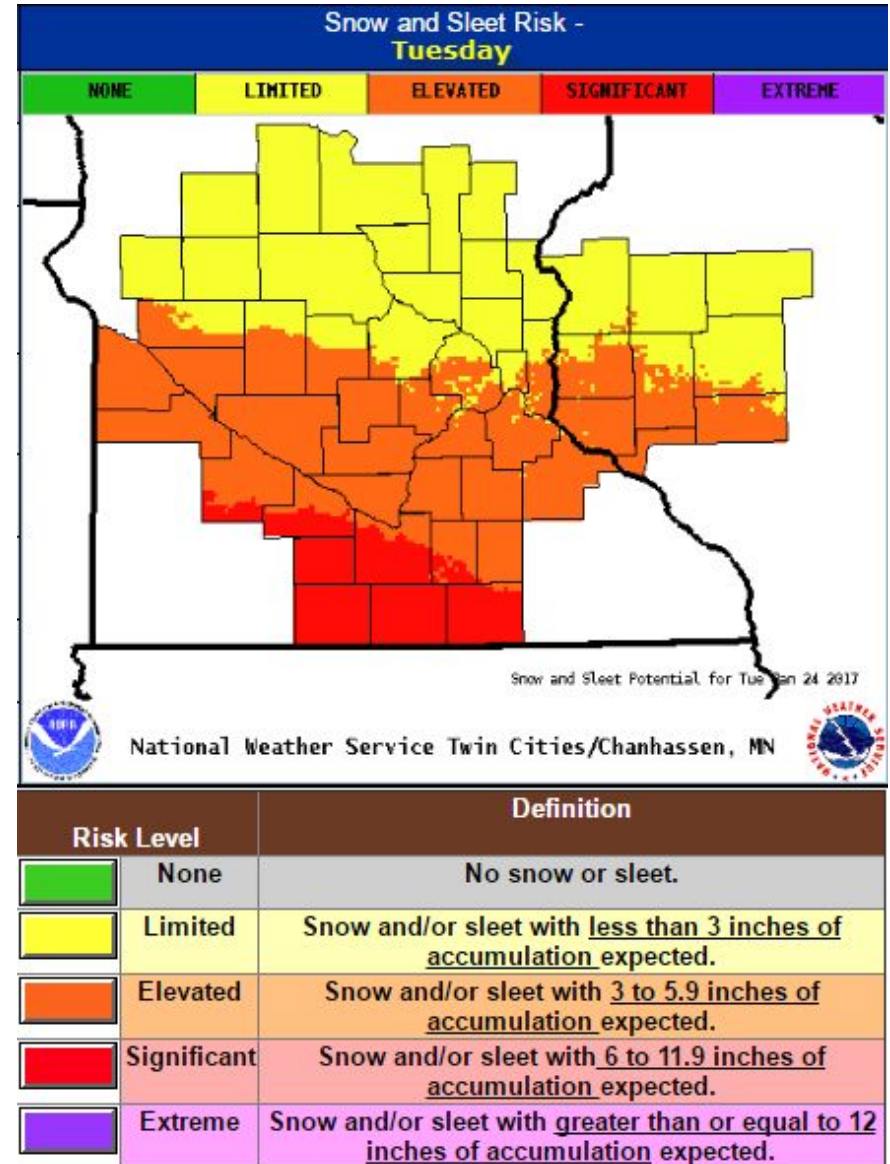
Enhanced Hazardous Weather Outlook

- Map depiction of weather threat level for different weather variables.
- Includes how each threat level is defined.



Enhanced Hazardous Weather Outlook

- Map depiction of weather threat level for different weather variables.
- Includes how each threat level is defined.



Overcast

35°F

2°C

[Get Detailed info](#)

Today



20%

Slight Chance Drizzle then Cloudy

High: 36°F

Tonight



Mostly Cloudy

Low: 29°F

[change location](#)



Hazardous Weather Outlook

Last Map Update: Thu, Dec. 1, 2016 at 7:38:18 am CST

Mild Temperatures Through the Weekend Turning Colder Next Week

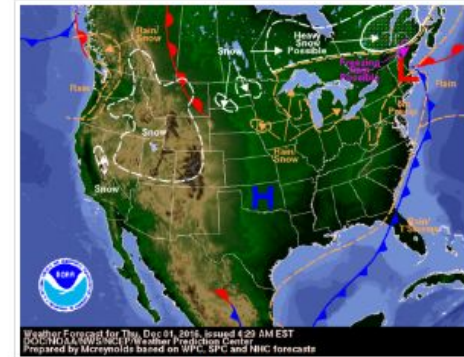
Today-Tonight Cloudy Highs: 35-40 Lows: 20s	This Weekend Dry Early Light Precipitation On Sunday	Next Week Becoming Colder... Chance Of Snow By Midweek
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National Weather Service - Twin Cities/Chaska, Minnesota | Issued 5:40 AM - 12/1/2016

[Weather Story](#)



[Local Radar](#)



[Weather Map](#)

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WARNINGS/HAZARDS
[Enhanced Hazardous Weather Outlook](#)

WEATHER FORECASTS
[Snowfall/Winter Weather Aviation Forecasts](#)
[Fire Weather](#)

CURRENT WEATHER CONDITIONS
[Current Weather Observations](#)
[Yesterday's Temperatures and Precipitation](#)
[Current Radar](#)

PAST WEATHER RECORDS
[On This Day in Weather History...](#)
[Twin Cities Weather Records](#)
[St Cloud Weather Records](#)
[Eau Claire Weather Records](#)
[Year-By-Year Minnesota Tornadoes](#)

WEATHER SAFETY
[NOAA Weather Radio Skywarn Spotter Activation](#)

OFFICE ACTIVITIES
[Cooperative Weather Observer](#)

Warning Reception: iNWS

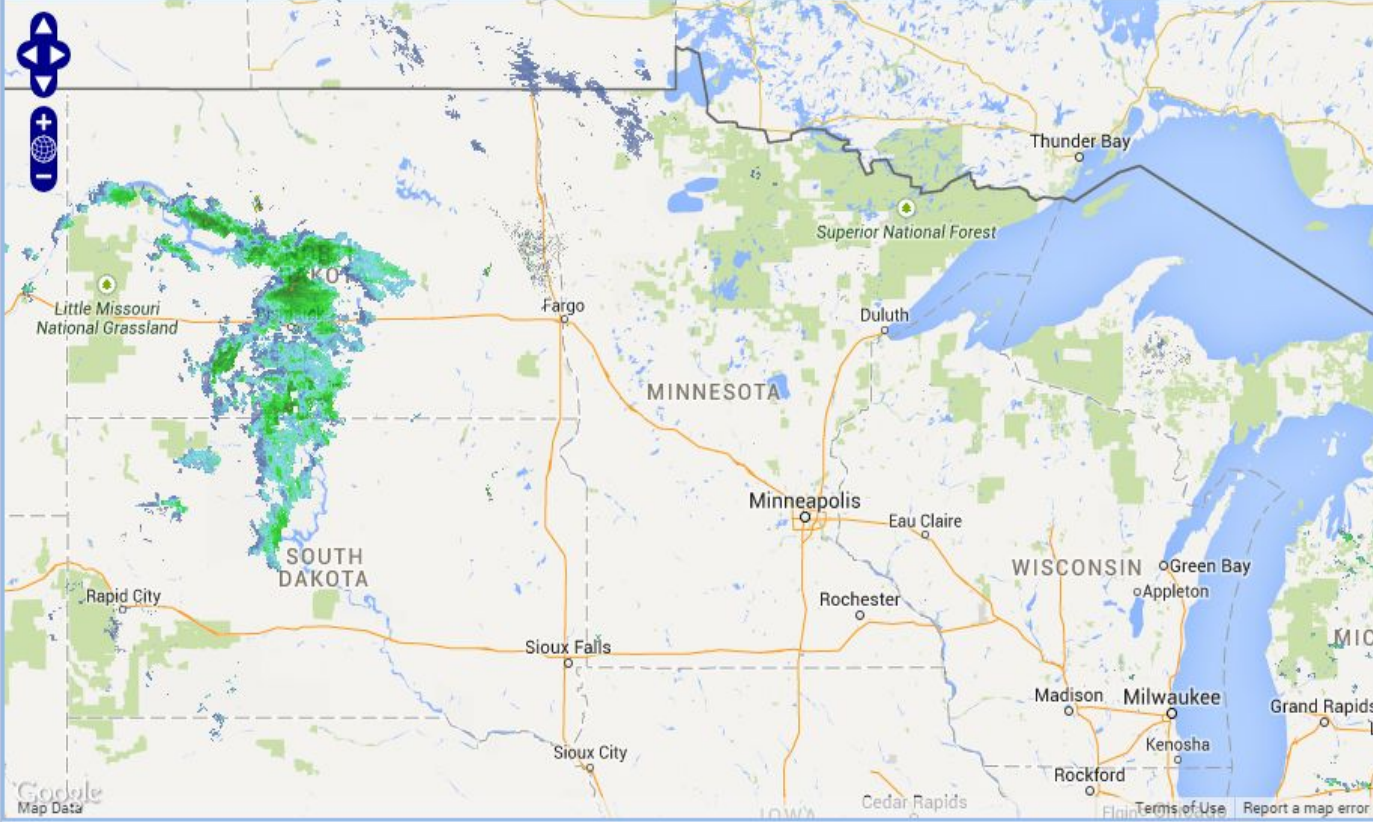
- Interactive National Weather Service
 - Weather alerts to your mobile device via text message and email
 - Select your alert area and which alerts you want

<https://inws.ncep.noaa.gov>

NWS Chat

- You can sign up for NWS Chat
 - Must first request access via the website
 - **<https://nwschat.weather.gov/>**
- Our office identifier is “MPX”
 - Join the “MPX Chat” room
- Chat rooms are monitored 24/7
- We respond to questions and often post more and quicker updates concerning the weather
 - Sign up and chat with a meteorologist anytime day or night!

- Buddies
- Buddies
 - Mike Griesinger
 - nws-david.kramer
 - Mike Bardou
 - Rick Hiltbrand
 - NWSChat Admin Team
 - Daryl Herzmann
 - nwsbot



- Layers Control
- Base Layer
 - Blank
 - Google Street
 - Satellite
 - GOES Water
 - GOES West
 - GOES East V
 - GOES Visible
 - GOES IR
 - Precip/RADAR
 - NMQ Q2 3 De
 - NMQ Q2 2 De
 - NMQ Q2 1 De
 - NMQ Q2 1 Hc
 - NEXRAD Bas
 - NMQ Hybrid S
 - No Overlay
 - Chatroom Products
 - Local Storm F
 - Storm Based
 - HPC Precipitation F
 - Day 1 QPF
 - Day 2 QPF
 - Day 1-5 QPF
 - Storm Prediction Ce
 - Day 1 Convec
 - Day 2 Convec

Clear Room Log Print Log View As HTML Hide NWSBot Mute Sounds A A+

Message

(27 Oct 9:41 AM) nwsbot: MPX issues [Short-term Forecast \(NOW\)](#)

(27 Oct 9:41 AM) nwsmpx-jacob.b: Good morning. Latest forecast trends show the best "forcing" for precip will be across central and northern MN

(27 Oct 9:42 AM) nwsmpx-jacob.b: Therefore thinking that the south/east will be dry today...

(27 Oct 9:44 AM) nwsmpx-jacob.b: We're still on tap for cool and windy tomorrow...

(27 Oct 11:54 AM) nwsbot: MPX issues [Short-term Forecast \(NOW\)](#)


(27 Oct 1:02 PM) nwsbot: MPX issues [Area Forecast Discussion \(AFD\)](#)

- 20 people in room
- em-karise.r.goelz
 - em-paul.ritter
 - media-darren.maier
 - media-kristin.clark
 - media-matt.benz
 - media-matt.hoffman
 - media-tom.f.szymanski
 - nws-kevin.kraujalis
 - nws-peter.speicher
 - nwsarx-daniel.jones
 - nwsbot

Weather Event Email Blasts (nws.twincities@noaa.gov)

- Heads-up email “blasts” are sent out ahead of high-impact events.
- Key points
 - What you need to know
 - What has changed with the forecast
 - Our confidence level
- These emails are typically sent early in the morning and sometimes late afternoon
- You will be included on these emails!

An Example (nws.twincities@noaa.gov)

 NWS TwinCities - NOAA Service Account

to bcc: cr.mpx ▾

5:24 AM (4 hours ago) ☆



A **Winter Storm Watch** remains in effect for south central Minnesota From Noon Tuesday through Wednesday Afternoon. The watch is south of a line from Redwood Falls to Red Wing. Confidence is increasing for accumulating snow of 6 inches or more within the watch area. There is still some uncertainty in overall model placement of the heavier snow band. It could shift north in later model runs so continue to monitor the latest forecast for further updates.

Hazards & Impacts:

- Accumulating snow of 6 inches or more. The snow will be heavy and wet.
- Travel could be hazardous due to the wet snow.
- Some blowing and drifting snow possible following the storm Wednesday.

Snowfall Amounts - Confidence Medium-High

- Potential for 6 to 8 inches across south central MN, with much of that occurring Tuesday evening.

Timing - Confidence Medium-High

- Snow will develop into south central Minnesota Tuesday morning, with the greatest accumulation occurring late Tuesday afternoon and Tuesday night.
- Rain could mix in with the snow briefly Tuesday morning.
- Snow will taper off by Wednesday afternoon.

Watches/Warning/Advisories:

- The Winter Storm Watch that was in effect for south central Minnesota from Noon Tuesday through Wednesday afternoon.

Please call us anytime at [952-361-6671](tel:952-361-6671) if you have questions.

Useful Links

[NWS Twin Cities Homepage](#)

[Current Weather Story](#)

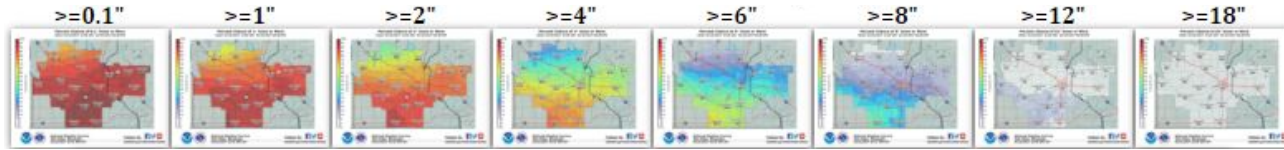
[Snow & Ice Accumulation Potential](#)

[Weather Prediction Center Winter Weather Forecasts](#)

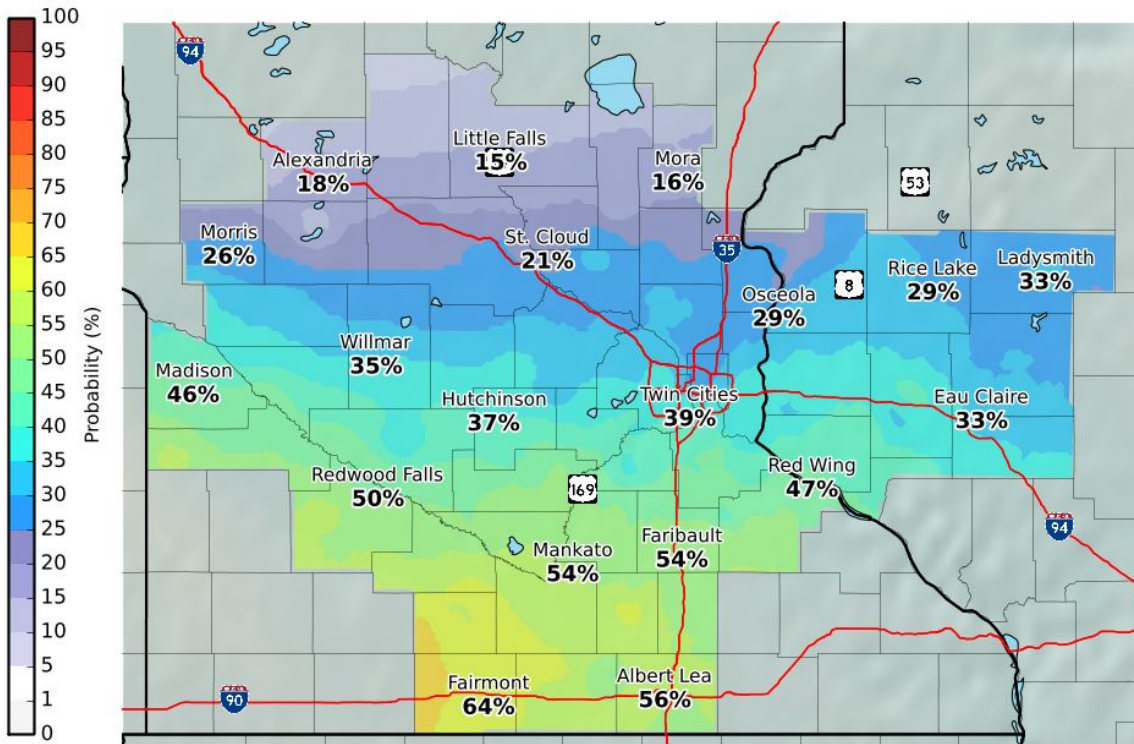
[Interactive Day 4-7 Winter Weather Outlook](#)

Snowfall Probabilities

Chances that the snow will be greater than...



Percent Chance of 6" Snow or More
Valid: 01/24/2017 12:00 AM - 01/25/2017 06:00 PM



Mouse over
desired
amount and
image will
appear below.

- Greater than or equal to:
- 0.1"
- 1"
- 2"
- 4"
- 6"
- 8"
- 12"
- 18"



National Weather Service
Twin Cities, Minnesota
01/23/2017 03:56 AM CST

Follow Us:
weather.gov/twincities/winter

Probability of Ranges Table

Chance of Snow Accumulation

Experimental - [Leave feedback](#)

01/24/2017 1200AM to 01/25/2017 0600PM

[What's this?](#)

County: ▼

Location	At least	Likely	Potential for	>=0.1"	>=1"	>=2"	>=4"	>=6"	>=8"	>=12"	>=18"
Albert Lea, MN	3	7	10	96%	93%	89%	75%	55%	31%	3%	0%
Alexandria, MN	0	1	7	80%	69%	57%	35%	18%	8%	1%	0%
Amery, WI	1	3	8	95%	90%	81%	56%	34%	17%	2%	0%
Andover, MN	<1	2	8	92%	85%	74%	50%	30%	15%	3%	0%
Anoka, MN	<1	3	8	91%	85%	75%	52%	31%	15%	2%	0%
Appleton, MN	<1	4	9	91%	86%	78%	59%	39%	23%	5%	0%
Apple Valley, MN	1	4	10	95%	91%	85%	65%	44%	26%	6%	0%
Arden Hills, MN	<1	3	8	91%	84%	73%	49%	29%	14%	2%	0%
Arlington, MN	2	5	10	96%	93%	88%	71%	50%	30%	7%	0%
Atwater, MN	<1	4	9	91%	86%	77%	55%	34%	18%	3%	0%
Augusta, WI	1	4	8	95%	90%	83%	60%	36%	17%	2%	0%
Baldwin, WI	1	4	9	95%	91%	84%	62%	38%	20%	3%	0%
Barron, WI	1	4	8	95%	90%	80%	54%	30%	13%	1%	0%
Becker, MN	<1	3	8	91%	84%	73%	50%	29%	15%	2%	0%
Belgrade, MN	0	2	7	89%	81%	69%	45%	26%	12%	2%	0%
Belle Plaine, MN	2	5	10	96%	93%	87%	69%	47%	28%	6%	0%
Bellingham, MN	<1	4	10	91%	86%	80%	62%	43%	27%	7%	0%
Benson, MN	<1	3	9	90%	83%	74%	53%	33%	18%	3%	0%
Big Lake, MN	2	6	11	96%	93%	88%	73%	53%	33%	8%	0%
Bird Island, MN	1	4	9	95%	91%	83%	61%	37%	17%	2%	0%
Blaine, MN	<1	3	8	91%	84%	74%	51%	30%	15%	2%	0%
Bloomer, WI	1	4	8	95%	90%	81%	55%	29%	12%	1%	0%
Blooming Prairie, MN	2	6	10	96%	94%	89%	75%	55%	33%	6%	0%
Bloomington, MN	1	4	9	95%	91%	84%	63%	41%	24%	5%	0%
Blue Earth, MN	3	7	11	96%	94%	90%	77%	58%	35%	5%	0%
Boyceville, WI	0	<1	3	53%	40%	27%	9%	2%	0%	0%	0%
Brandon, MN	0	<1	6	78%	66%	52%	28%	13%	5%	0%	0%
Brooklyn Park, MN	<1	3	9	91%	85%	77%	55%	34%	19%	3%	0%

Can switch to exceedance %

Probabilistic Snowfall Forecasts

35°F
2°C [Get Detailed info](#)

Today



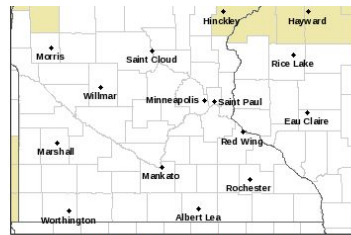
20%
Slight Chance Drizzle
then Cloudy
High: 36°F

Tonight



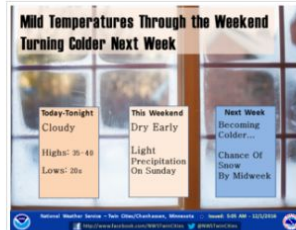
Mostly Cloudy
Low: 29°F

[change location](#)

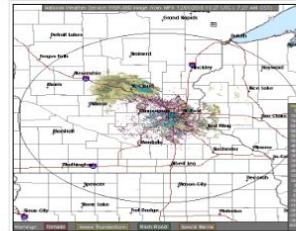


[Hazardous Weather Outlook](#)

Last Map Update: Thu, Dec. 1, 2016 at 7:38:18 am CST



[Weather Story](#)



[Local Radar](#)



[Weather Map](#)

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[Fire Weather](#)

CURRENT WEATHER CONDITION
[Current Weather Observations](#)
[Yesterday's Temperatures and Precipitation](#)
[Current Radar](#)

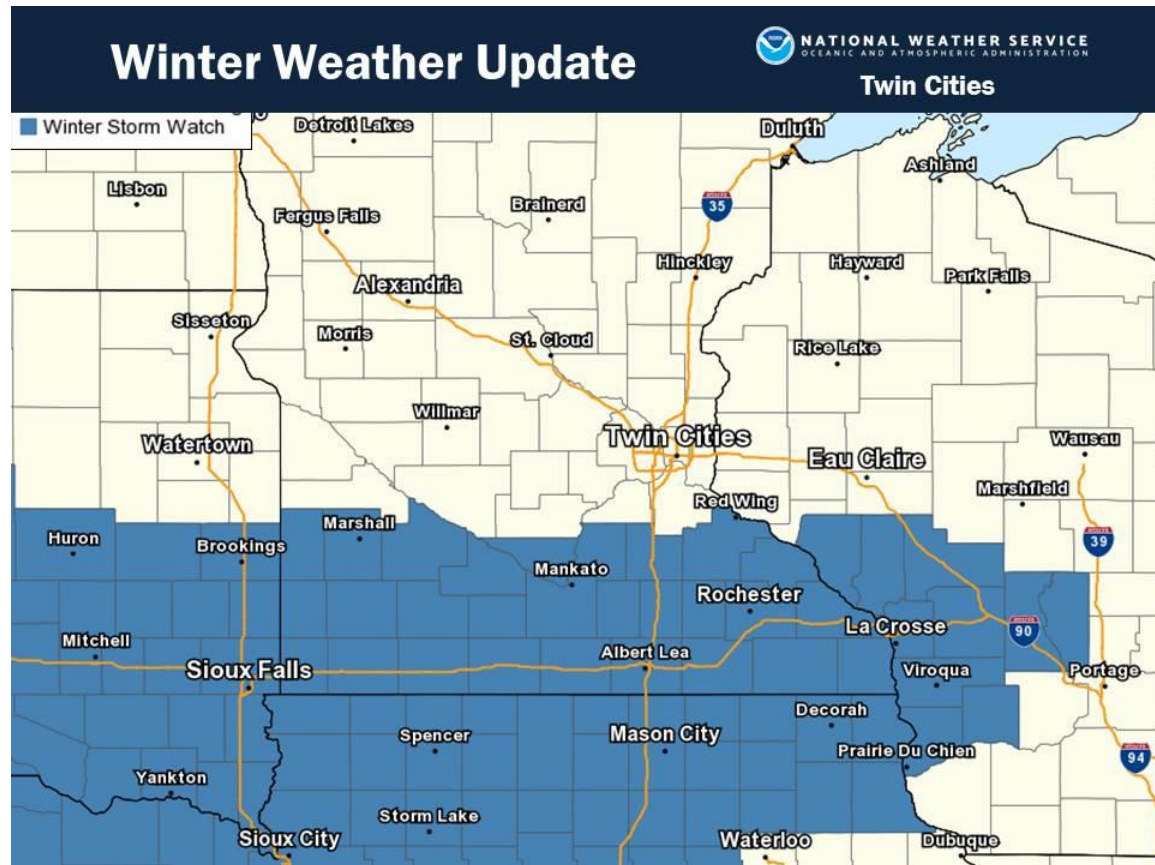
PAST WEATHER RECORDS
[On This Day in Weather History](#)
[Twin Cities Weather Records](#)
[St. Cloud Weather Records](#)
[Eau Claire Weather Records](#)
[Year-By-Year Minnesota Tornadoes](#)

WEATHER SAFETY
[NOAA Weather Radio Skywarn](#)
[Spotter Activation](#)

OFFICE ACTIVITIES
[Cooperative Weather Observer](#)

DSS Webinars- you will be invited via email (nws.twincities@noaa.gov)

- Our forecasters host webinars in anticipation of high-impact event. These are typically reserved for high-end weather events.
- Invitations to these webinars are always sent to the same group included on the DSS Emails.
- Forecasters use this opportunity to update you on the latest forecast and our confidence level.
- [Example From December](#)



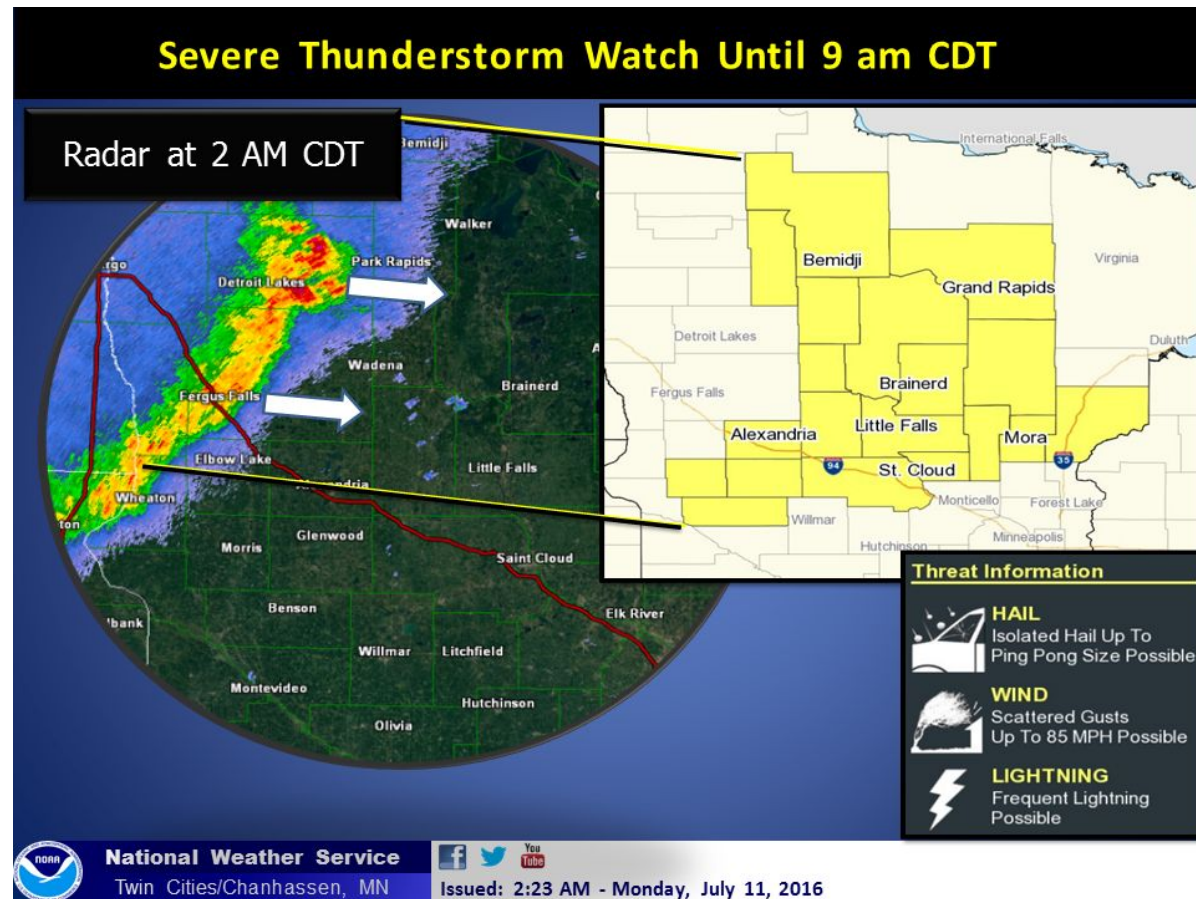
Packaging NWS Data Together

- On the MN Association of School Administrators Website, a weather forecast section has been developed with NWS information, much of which was shown earlier in this presentation.

[MASA Weather Page](#)

Severe Weather

- Watches/Warnings are highest priority- staffing levels can be increased significantly
- Support for large Outdoor Events
- Convective Outlooks- issued by the [Storm Prediction Center](#)





We think you should be a Weather-Ready Nation Ambassador!

- Opens up a more direct relationship with the NWS
- You will receive occasional correspondence from a Point of Contact at our office that includes helpful weather safety and preparedness info
- You commit to sharing weather safety & preparedness info in your organization and/or community- **force multiplier**
- [About the WRN Ambassador Program](#) - Sign up now on the spot!





Questions?

nws.twincities@noaa.gov

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Meteorologist
National Weather Service Twin Cities/Chanhassen, MN

