Key Messages

- A winter storm will continue to bring snow to parts of the area through this evening.
- The snow may be heavy at times across northeast Missouri, central Missouri, and west-central Illinois with snowfall rates of less than 1”/hour expected today, though there could be brief bursts greater than an inch per hour in the warning area.
- These rates will make the morning and evening commutes hazardous for drivers, especially in the warning area.
- For the remainder of the forecast area, the rain will become mixed with and change over to snow from west to east through this afternoon and evening, so lesser snow accumulations are still forecast through this evening.

What Has Changed

- Updated snowfall and timing graphics

Next Scheduled Update

- By 5 PM Tuesday, January 9th
Winter Storm Warning/Advisory
In Effect Through Midnight Tonight
Winter Storm Through This Evening

Snow Texture and Temperature

- The snow will become relatively drier in central/northeastern MO and west central IL today as temperatures cool. While the remainder of the area will still have a wet and heavy snow.
- Although winds will be sustained around 20 to 30 mph, gusting to 35 to 45 mph this afternoon through tonight; the heavy and wet texture of the snow may limit any blowing or drifting snow. The exception would be far northeast Missouri where snow texture would be a bit drier.
- Hazardous travel conditions are likely where heavy snow occurs.

Temperature

- Temperatures are forecast to be in the 30s today before the temperatures fall into the mid teens to 20s tonight.
- Even in locations where the temperature remains near or slightly above freezing, if heavy snow is falling it should be able to overcome melting and accumulate on roadways.
Winter Storm Through This Evening

What We Are Confident Will Happen?

- The winter storm will continue to bring snow to the area today through this evening. A rain/snow mix will change over to all snow during the day today. Snow accumulations, some heavy, are possible over parts of the area.

- The highest totals will be in northeast Missouri and west-central Illinois. Regardless of exact totals, the highest amounts will be in that region where there will be a much more limited changeover to rain.

- Snowfall rates will be less 1”/hour in northeast Missouri and west-central Illinois, though there could be brief bursts greater than an inch an hour in the warning area. Accelerated snowfall rates will help increase snowfall totals in these areas as well as create hazardous driving conditions for the morning and evening commutes.

What is Still Uncertain?

- Snowfall totals south of northeast Missouri and west-central Illinois. South of that region, the precipitation will begin to change over to a mix of rain and snow this morning, then to all snow by this afternoon. Thus accumulations will be limited to this afternoon/evening.
Probabilistic Snow Forecast
Best (Low End) and Worst (High End) Case Scenarios

Low End Amount: 10th Percentile
90% Chance of Higher Snowfall

High End Amount: 90th Percentile
10% Chance of Higher Snowfall
Probabilistic Snow Forecast
Probability of Exceeding Snow Accumulation Thresholds

Probability of Exceeding 1” Snow Accumulation

Probability of Exceeding 2” Snow Accumulation

National Weather Service
St. Louis, MO
Probabilistic Snow Forecast

Probability of Exceeding Snow Accumulation Thresholds

Probability of Exceeding 4” Snow Accumulation

Probability of Exceeding 6” Snow Accumulation
Probabilistic Snow Forecast

Probability of Exceeding Snow Accumulation Thresholds

Probability of Exceeding 8” Snow Accumulation

Probability of Exceeding 12” Snow Accumulation
### Winter Storm Potential on Thursday Night Through Friday Night

#### Chance for 3+ inches of snowfall

<table>
<thead>
<tr>
<th>Location</th>
<th>Chance</th>
</tr>
</thead>
<tbody>
<tr>
<td>St. Louis</td>
<td>60%</td>
</tr>
<tr>
<td>Springfield</td>
<td>40%</td>
</tr>
<tr>
<td>Kansas City</td>
<td>20%</td>
</tr>
</tbody>
</table>

#### Overview and Impacts

Low pressure tracking through the Southern Plains and Mississippi Valley will spread rain and snow across the Midwest Thursday night through Friday night.

A swath of accumulating snowfall of at least 3 inches is likely (60%) mainly north of I-70, but where exactly that occurs will depend on the storm’s track. The forecast track may shift north or south significantly in the coming days.

Monitor the forecast for future updates.

#### Impacts

- Winter driving conditions are likely

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Plan >> Prepare >> Act

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