



# COLD & WINTER WEATHER BRIEFING

2:00 PM CST

Monday, January 15, 2024

Prepared by:

NWS New Orleans/Baton Rouge



# Summary of Winter Weather Impacts

- **Changes since last update:**
  - **No changes in hazards and forecast confidence from this morning.**
- Light showers will continue to spread across the area this afternoon/tonight:
  - Temperatures will continue to drop this evening, dropping rapidly tonight. Light rain will begin to transition into freezing rain over the northwest and slowly work southeast through the night.
  - Light accumulations are expected in the Winter Weather Advisory area, mainly on elevated surfaces including bridges, tree branches, poles, etc.
  - All rain/winter weather will exit to the east early/mid morning Tuesday.



# Summary of Cold Impacts








- **Changes since last update:**
  - Freeze warning added for SE LA and portions of coastal MS tonight into early Tuesday.
  - Hard Freeze warning tonight expanded south along Atchafalaya Basin tonight into early Tuesday.
  - Wind Chill Advisory expanded in area tonight/early Tuesday south across the Atchafalaya Basin to portions of the Southshore.
- Temperatures rapidly dropping this afternoon/evening into tonight. Breezy winds will accompany the quickly dropping temperatures leading to **dangerous wind chills overnight into Tuesday.**
  - Wind chill readings across southwest MS are expected to fall into the single digits with teens all the way down to the I-10/12 corridor.
- Bitterly cold all day Tuesday, portions of southwest MS and adjacent LA parishes struggling to get above freezing.
- Coldest morning will be early Wednesday.
  - Hard freeze conditions likely for most of the area with lows in the teens to mid 20s.
  - Winds will remain breezy overnight Tuesday night with wind chills in the single digits to teens possible across the entire area Wednesday morning.
- One more night of below freezing temps for central/northern areas Wed night/Thursday morning.
- Moderation continues into Thursday and Friday.





# Weather Hazards Overview for this Week

## Wintry Weather and Frigid Cold Temperatures on the Way

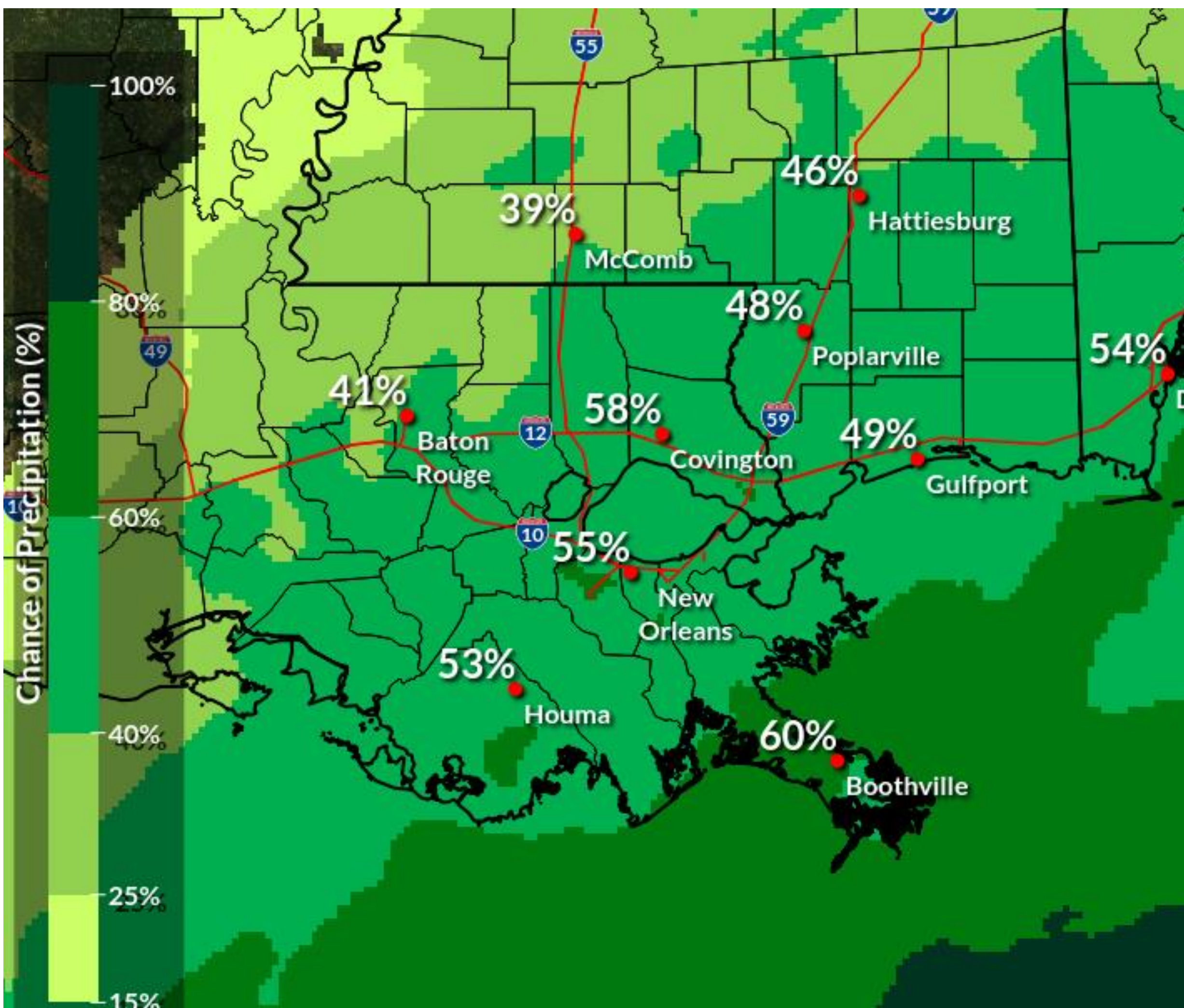
| Timeline                | Today  | Tonight   | Tuesday   | Tue Night   | Wednesday   | Wed Night  | Thursday   |
|-------------------------|--|---|---|---|---|--|--|
| <b>Key Messages</b>     |  <ul style="list-style-type: none"> <li>▶ Light rain increases thru the day.</li> </ul> |  <ul style="list-style-type: none"> <li>▶ Freezing rain for NW areas early, shifting south overnight. Minor ice accumulations</li> <li>▶ DANGEROUS WIND CHILLS</li> </ul> |  <ul style="list-style-type: none"> <li>▶ Rain exits early.</li> <li>▶ Bitter cold day! Frigid wind chills!</li> </ul> |  <ul style="list-style-type: none"> <li>▶ HARD FREEZE for entire area!</li> <li>▶ DANGEROUS WIND CHILLS</li> </ul> |  <ul style="list-style-type: none"> <li>▶ "Warming" up to the 40's.</li> <li>▶ Sunny.</li> </ul> |  <ul style="list-style-type: none"> <li>▶ Chilly.</li> <li>▶ &lt;32F for central &amp; northern areas.</li> </ul> |  <ul style="list-style-type: none"> <li>▶ Mild Day.</li> <li>▶ Few showers around.</li> </ul> |
| <b>Forecast Details</b> | <p>Rain chances 20-30%</p> <p>Highs 40's SW MS to 60's Southshore and Coastal MS</p>   | <p>Temps drop to below freezing along/N I-10/12</p> <p>Wind chills TEENS TO SINGLE DIGITS NORTH</p>   | <p>Highs in the 30's to low 40's. Some areas north may not get above freezing.</p> <p>Wind chills in the 20's</p>   | <p>SINGLE DIGIT TO TEEN WIND CHILLS!</p> <p>Below freezing for 9-14 hours I-10/12 corridor</p> <p>14 - 22 hours N</p>   | <p>Wind chills in the 30's - not as windy.</p>  | <p>Light to moderate freeze I-10/12 corridor, North</p>  | <p>Rain chances 20 to 40% in afternoon/evening.</p>  |
| <b>Weather Impact</b>   | Little to None   | Minor   | Moderate  | Major   | Extreme   |  |  |



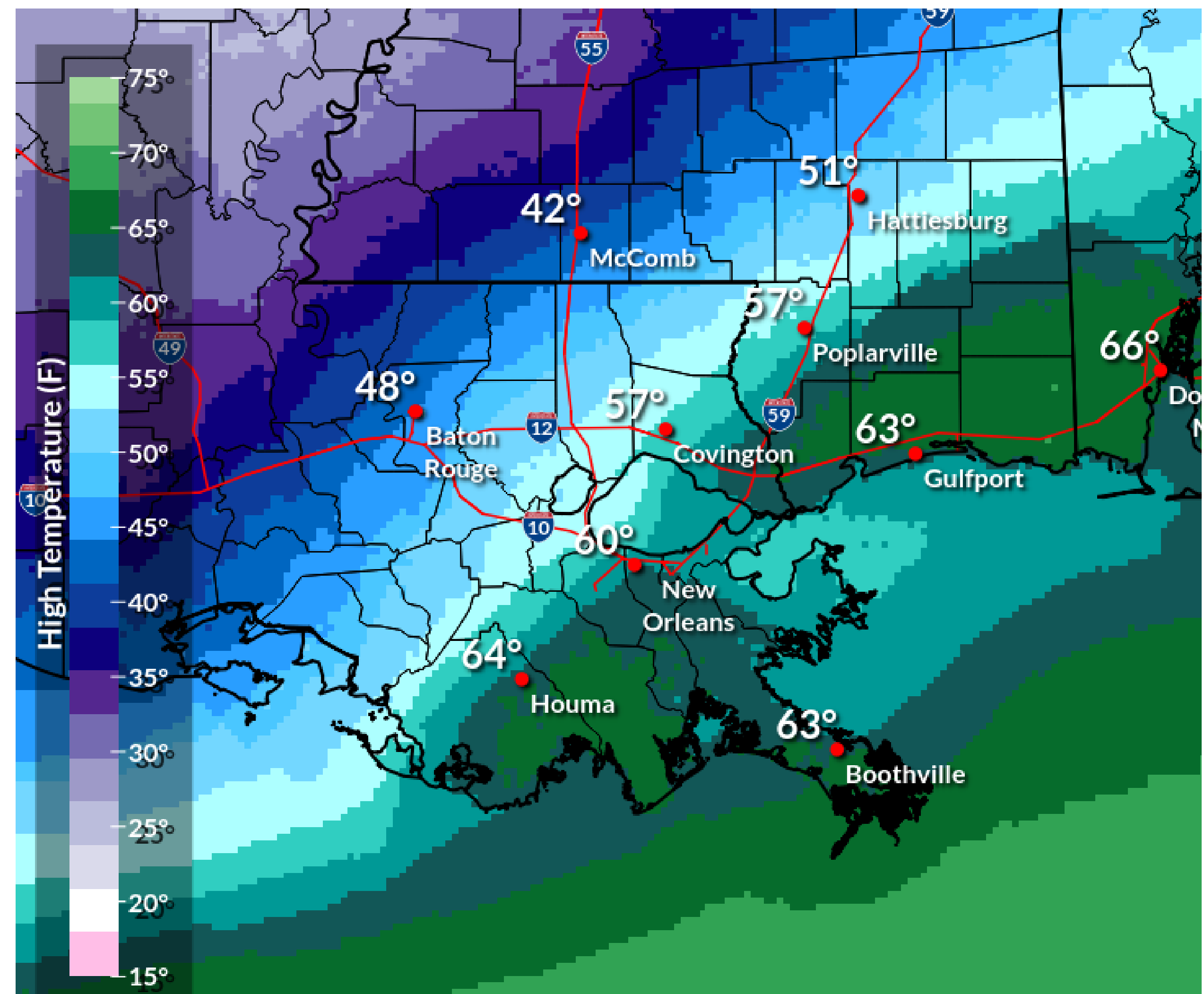


# Monday Forecast

Rain chances increasing in the afternoon/evening starting off with all rain.



Probability of Precipitation Mon 6PM – Tue 6 AM (%)



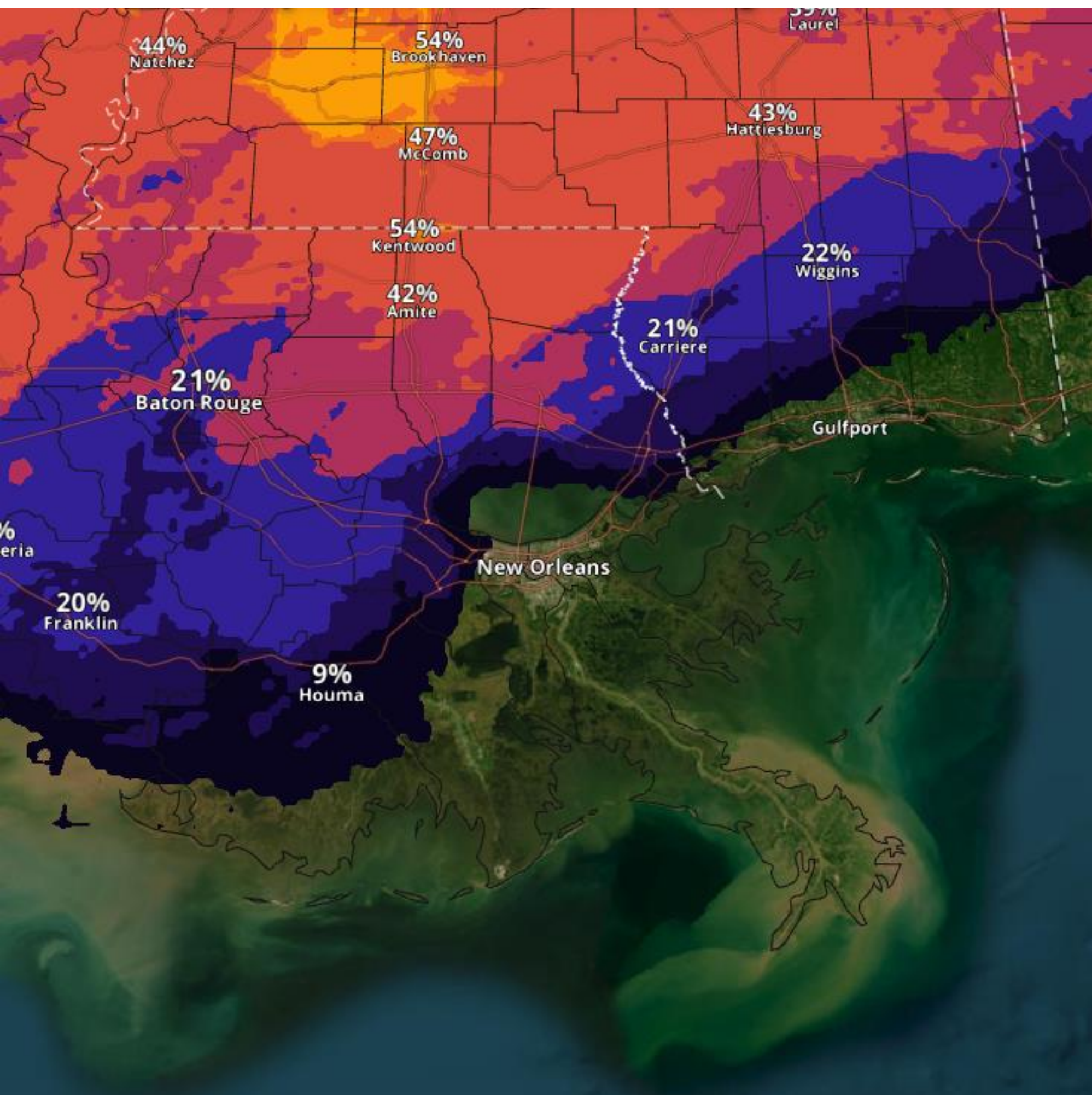
High Temperatures Today (Monday)





# Freezing Rain Accumulation Probabilities

Accumulations of a glaze of ice to generally under 0.10" possible tonight.



Probability of **measurable** ice from freezing rain (>0.01")



Probability of freezing rain accumulation **at or greater Than 0.10"**

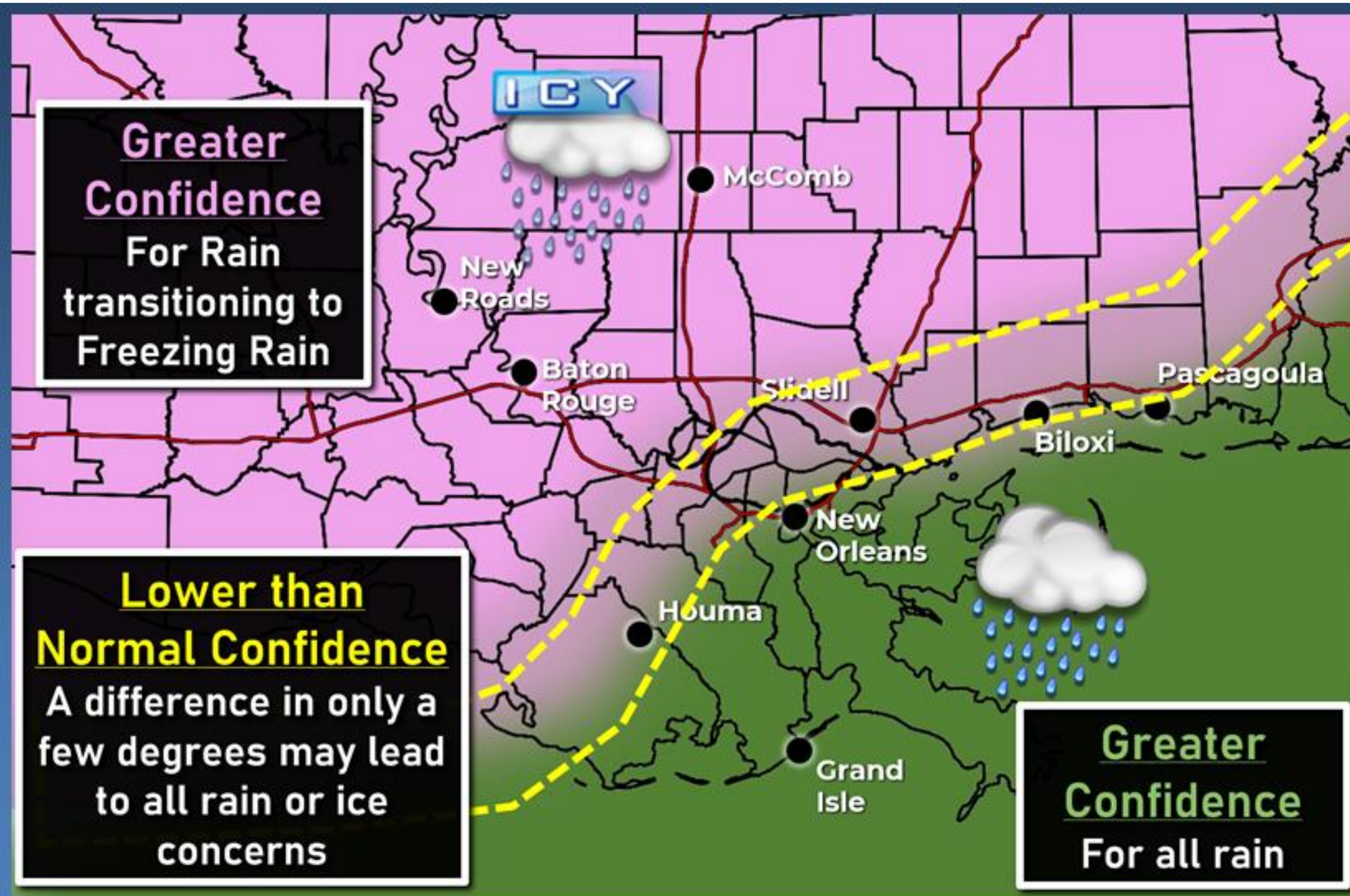
- Confidence greatest in accumulations: Between a glaze to under 0.10"
- Greatest confidence in area – Florida Parishes to SW MS.
- Will closely monitor southward extent.





# Freezing Rain Expected across NW Areas

Light rain expected to change over to freezing rain later today thru early Tuesday morning.



**Key Messages:**

- ▶ All light rain will be spreading across the area later today.
- ▶ Temperatures plummet Monday night, with a change over from rain to freezing rain for northwestern areas.

**Timing:**

- ▶ Starting far NW areas 3-6PM Today, spreading south thru 9AM Tue, quickly exiting east around noon Tuesday.

**Accumulations:**

- ▶ Minor accumulations of a glaze, up to 0.10" glaze possible – greater risk on elevated surfaces including bridges & overpasses.

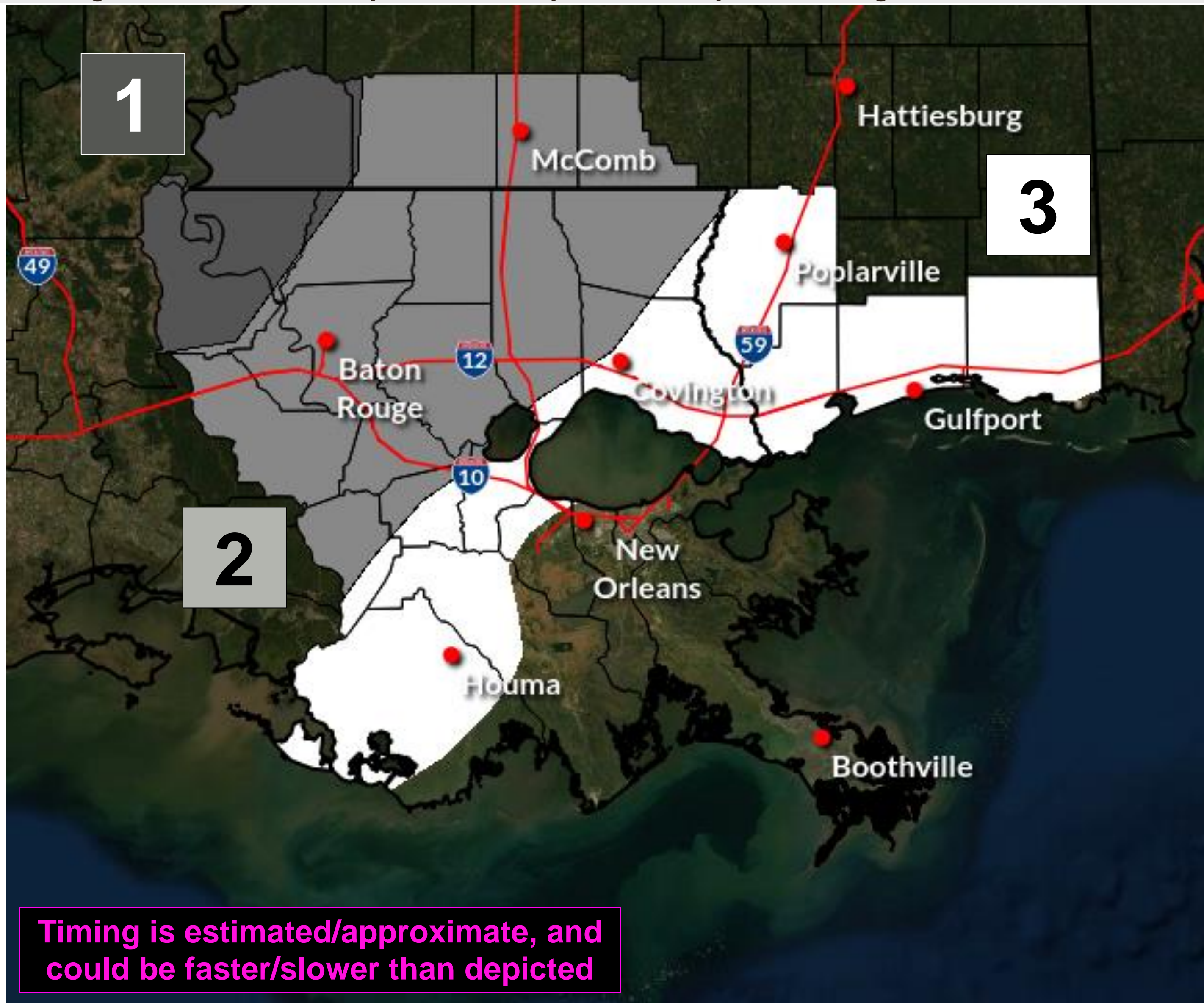




# Freezing Rain Approximate Start Times

Light rain expected to change over to freezing rain later today thru early Tuesday morning.

|   |   |
|---|---|
| 1 | <p><b>Timing:</b><br/> <b>3PM Mon to 7PM Mon</b></p> <p><i>Rain transitioning to freezing rain earliest for NW areas, lasting through to around Midnight.</i></p>   |
| 2 | <p><b>Timing:</b><br/> <b>6PM Mon – 11PM Mon</b></p> <p><i>Temperatures reach at/below freezing dropping south, transitioning rain to freezing rain, lasting thru 2AM to 6AM Tuesday.</i></p>                   |
| 3 | <p><b>Timing:</b><br/> <b>10PM Mon – 2AM Tue</b></p> <p><i>Confidence is lower on southward extent, but a brief changeover to freezing rain is possible before ending between 6 to 8AM Tuesday morning.</i></p> |

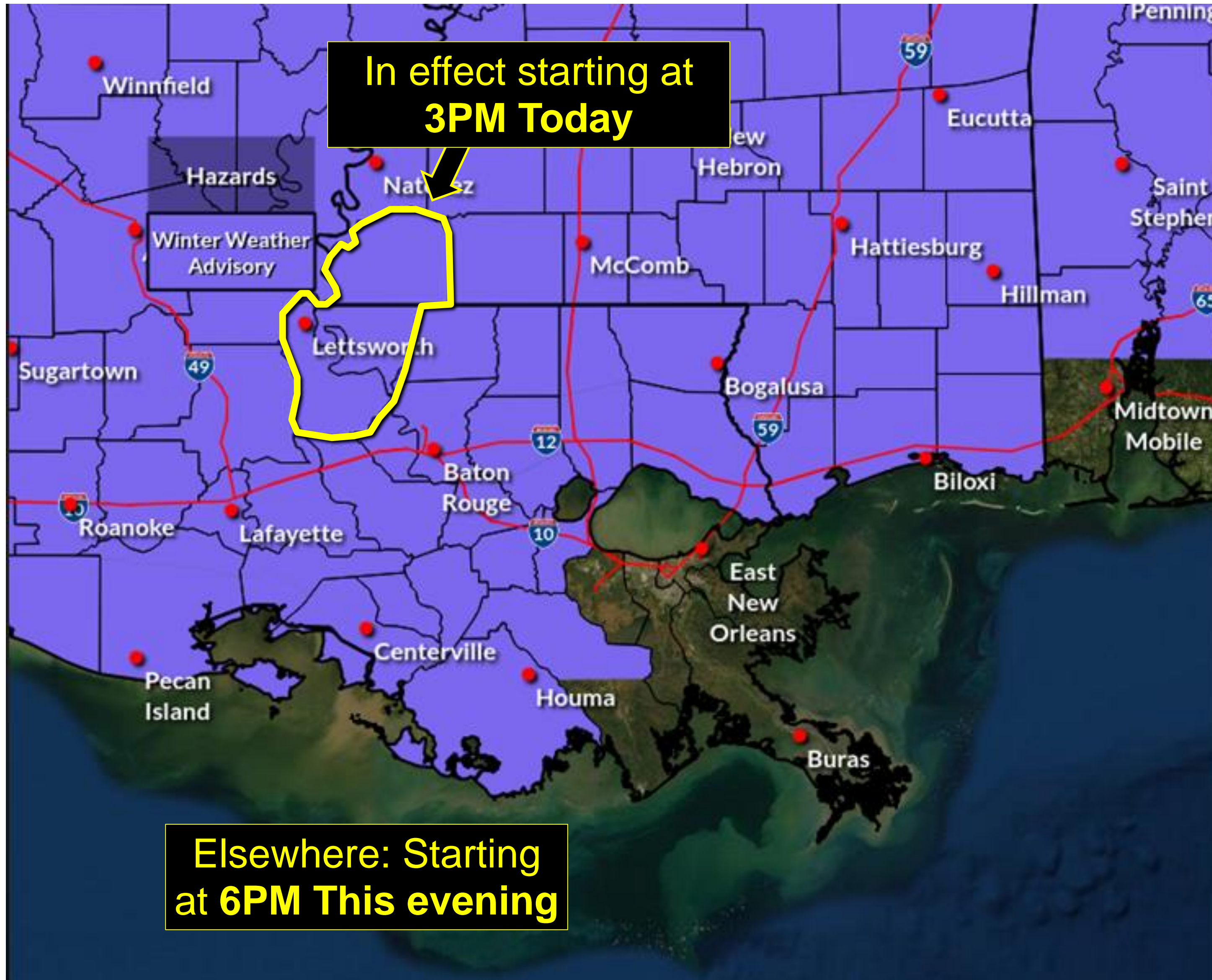






# Winter Weather Advisory

In effect from later this afternoon/evening thru 9AM Tuesday morning.



## HAZARDS

**WHAT...** Light rain will slowly transition to freezing rain leading to light ice accumulations

**WHERE...** For most areas excluding a portion of the south shore.

**WHEN...** Beginning this evening and ending around 9am Tuesday morning.

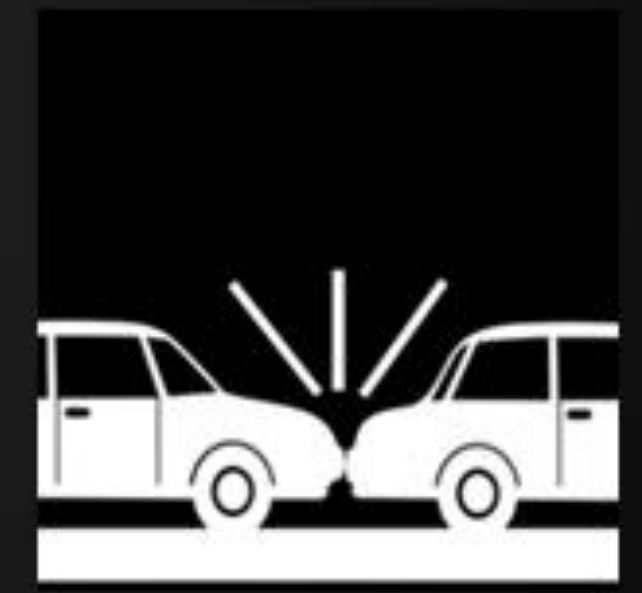
## IMPACTS & SAFETY



Light Ice Accumulation



Watch for Ice on Bridges



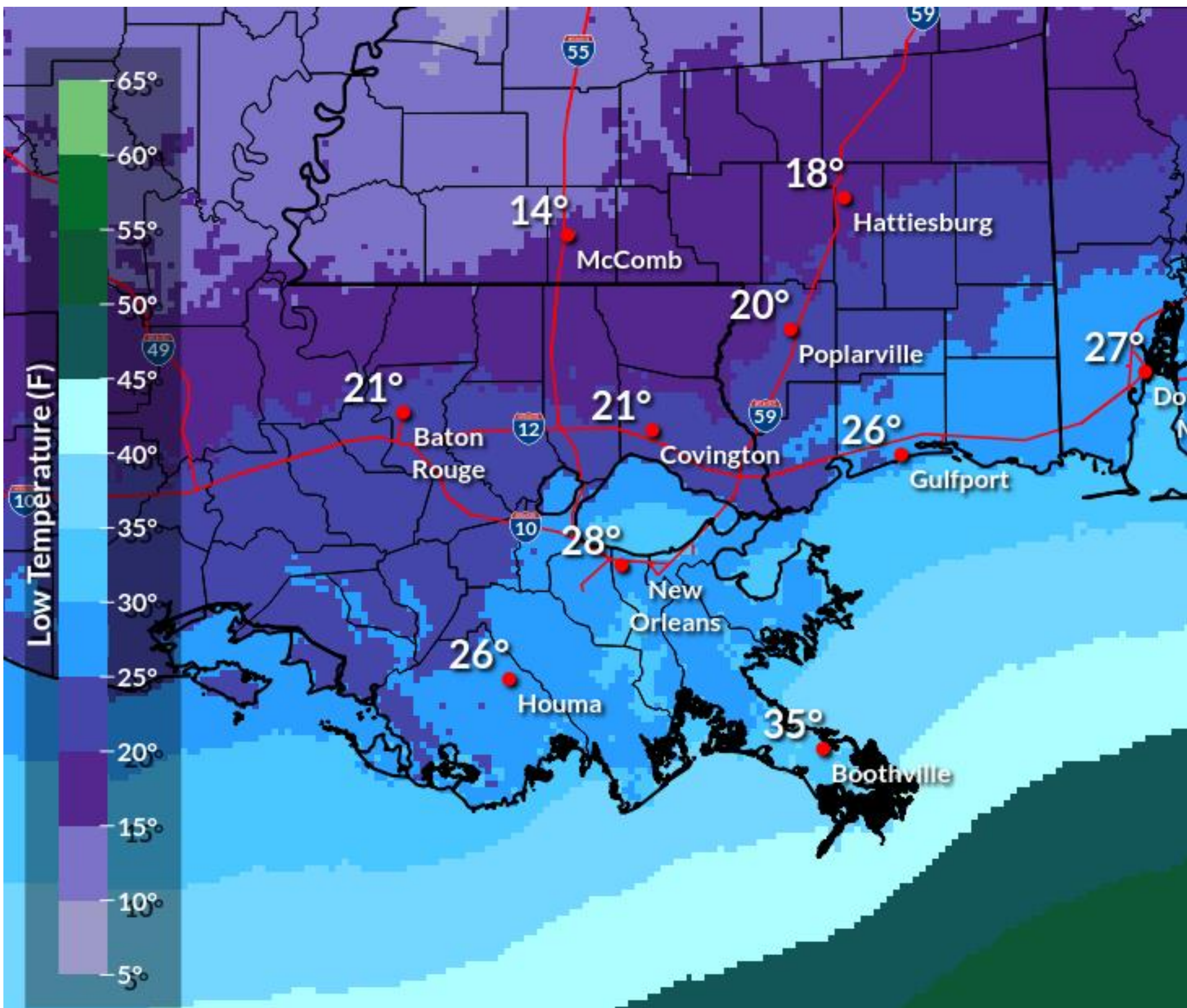
Careful if Traveling



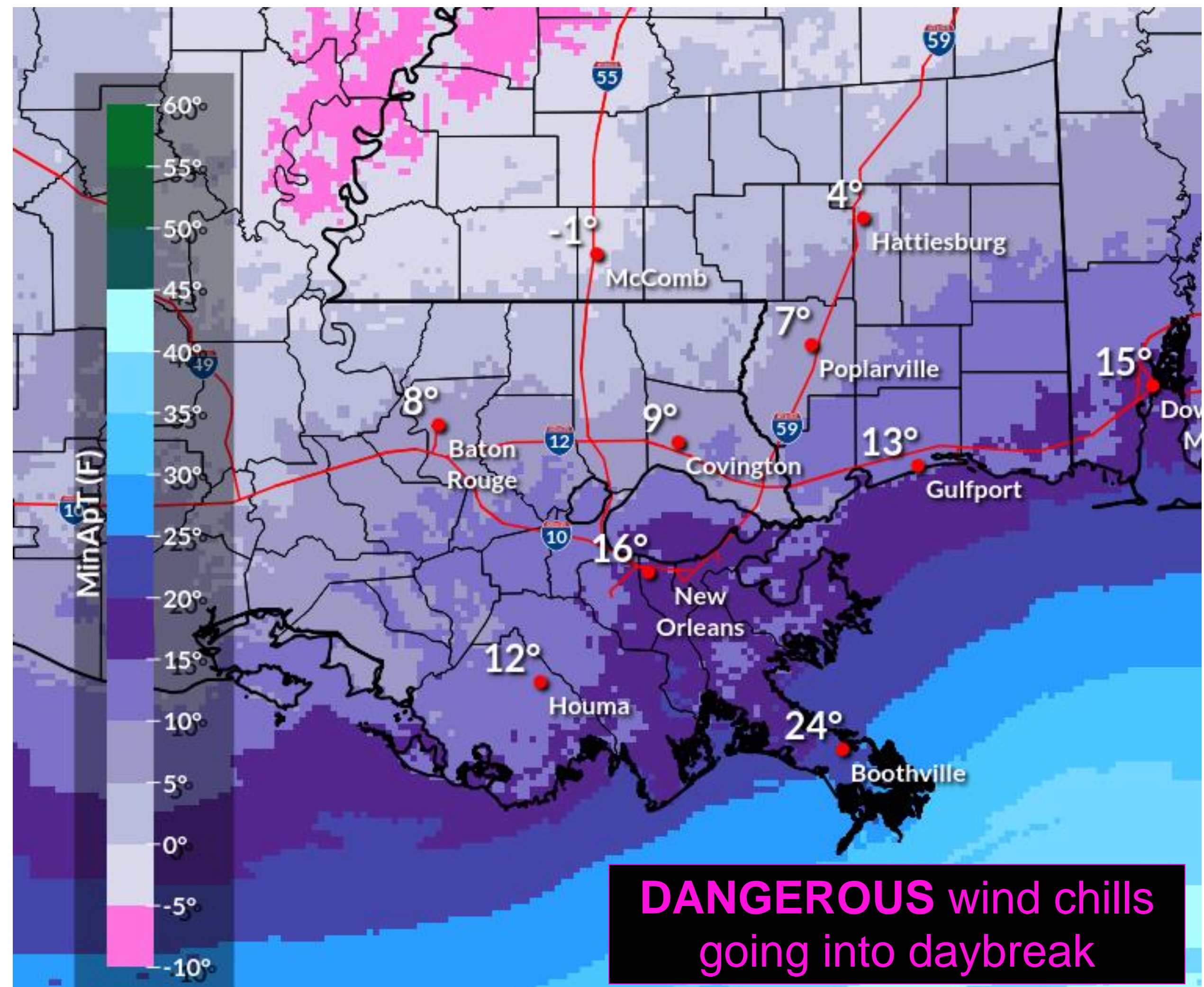


# Monday Night / Tuesday Morning Temperatures

Temperatures dropping *fast* overnight tonight, dangerous wind chills by daybreak



Forecast Lows Tuesday Morning (°F)



Forecast Min Wind Chills Tuesday Morning

**DANGEROUS** wind chills going into daybreak





# Wind Chill Advisory

In effect from 9PM this evening through noon Tuesday



## HAZARDS

**WHAT...** Dangerous Wind Chill temperatures to 10 degrees or lower expected in the highlighted area

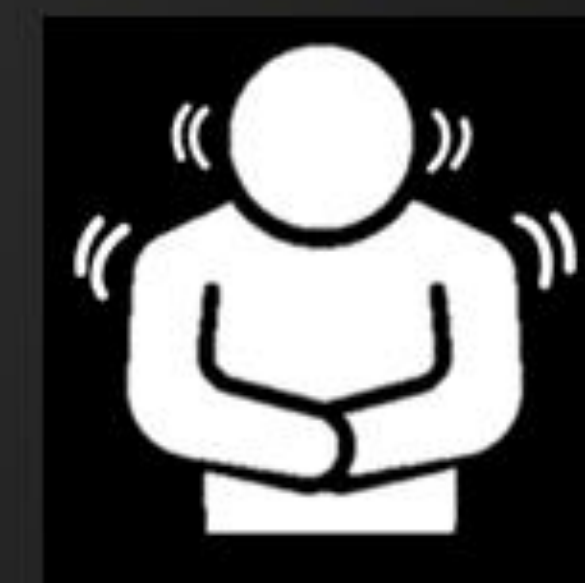
**WHERE...** All of southwest MS and portions of southeast LA mainly along and north of a line from Bayou Sorrel to Bogalusa

**WHEN...** Tonight through noon Tuesday

## IMPACTS & SAFETY



**Dangerous  
Wind chills**



**Wear Warm  
Layers**



**Cover  
Exposed Skin**





# Freeze & Hard Freeze Warnings

In effect from 9PM Monday through noon Tuesday



## HAZARDS

**WHAT...** Hard Freeze Warning : Sub-freezing temperatures as low as 25 expected. Freeze Warning: Upper 20's to at freezing.

**WHERE...** Hard Freeze Warning: Portions of the Atchafalaya Basin to Northshore. Freeze Warning: SE LA and portions of coastal MS.

**WHEN...** From 9PM Tonight through noon Tuesday

## PREPARE & PROTECT THE 4 P'S

**Plants**



Protect Sensitive Vegetation

**People**



Check on Elderly

**Pipes**



Protect Plumbing

**Pets**



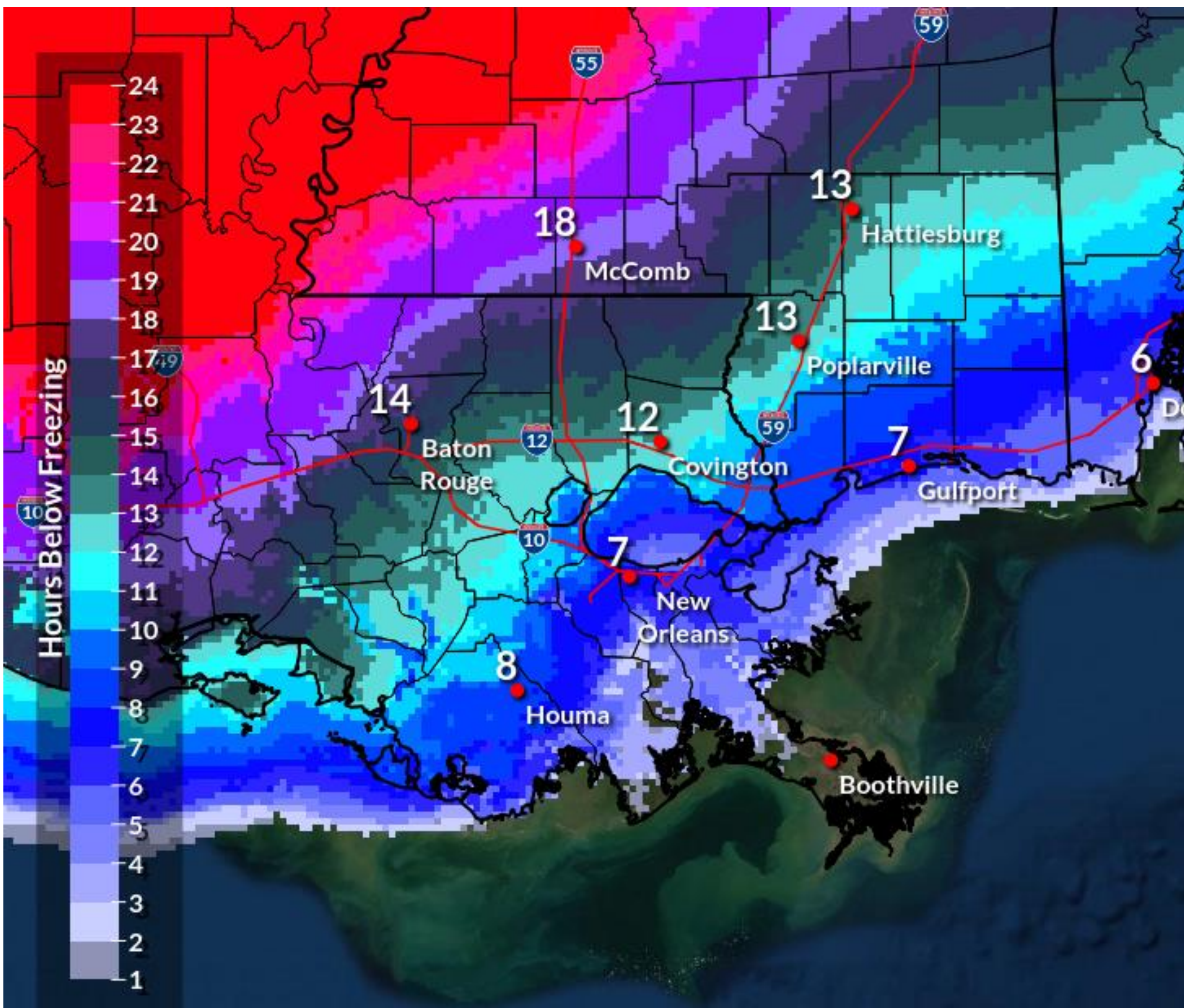
Bring Pets Indoors



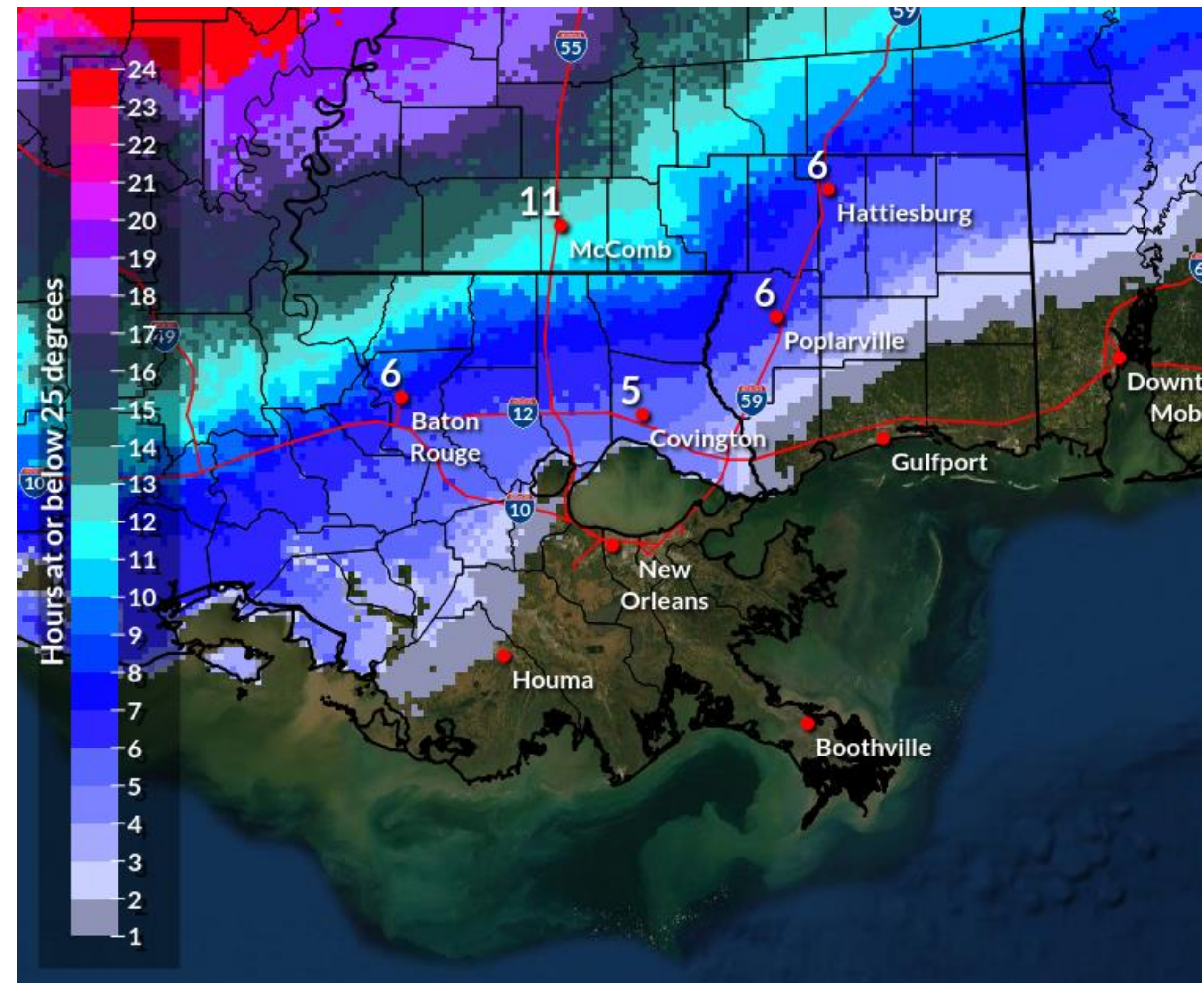


# Monday Night / Tuesday Morning Temp Duration

Below freezing and at/below Hard Freeze Warning criteria (25°F or lower)



Hours below freezing 12PM Mon – 12PM Tue



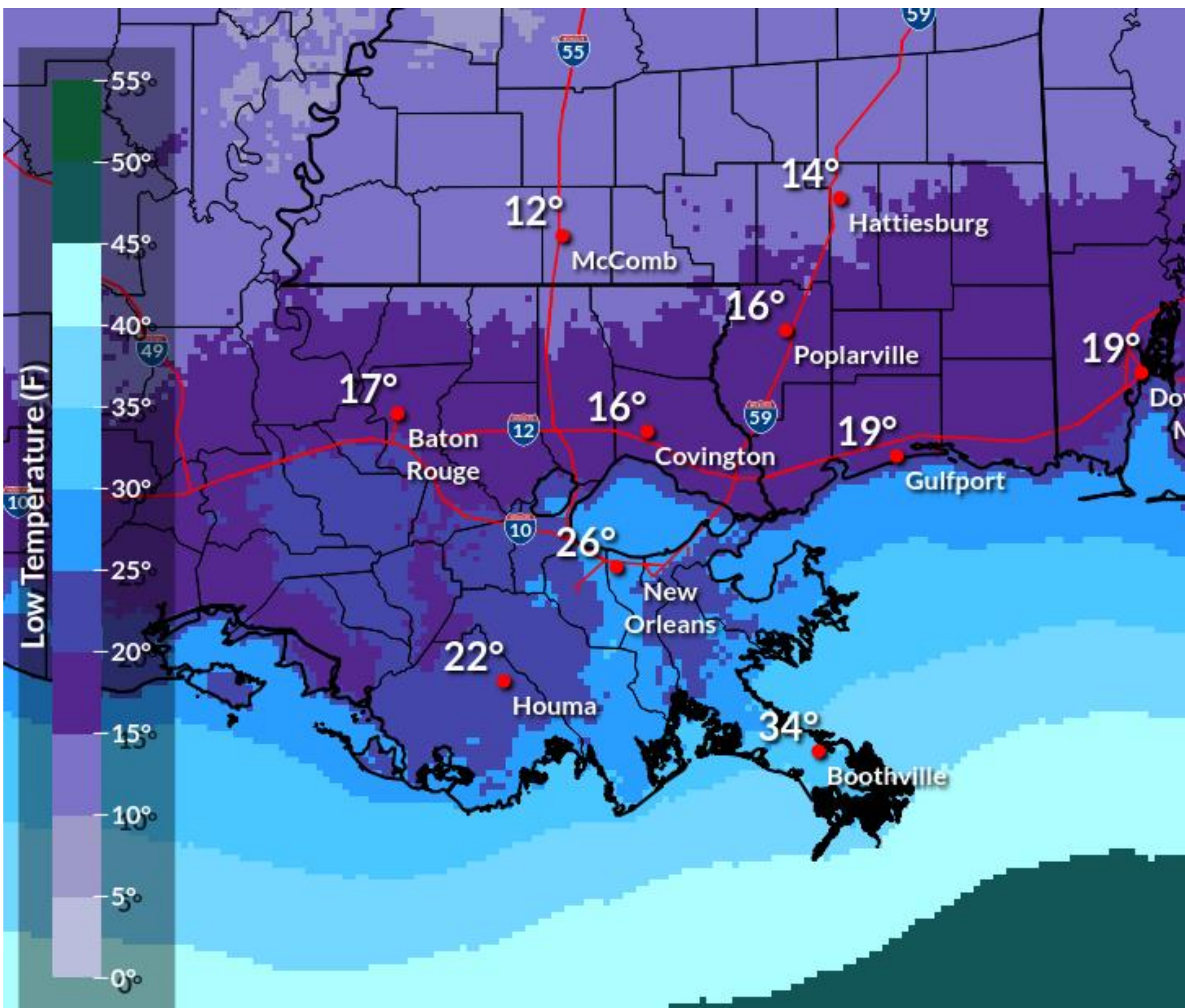
Hours 25°F or Lower 12PM Mon – 12PM Tue



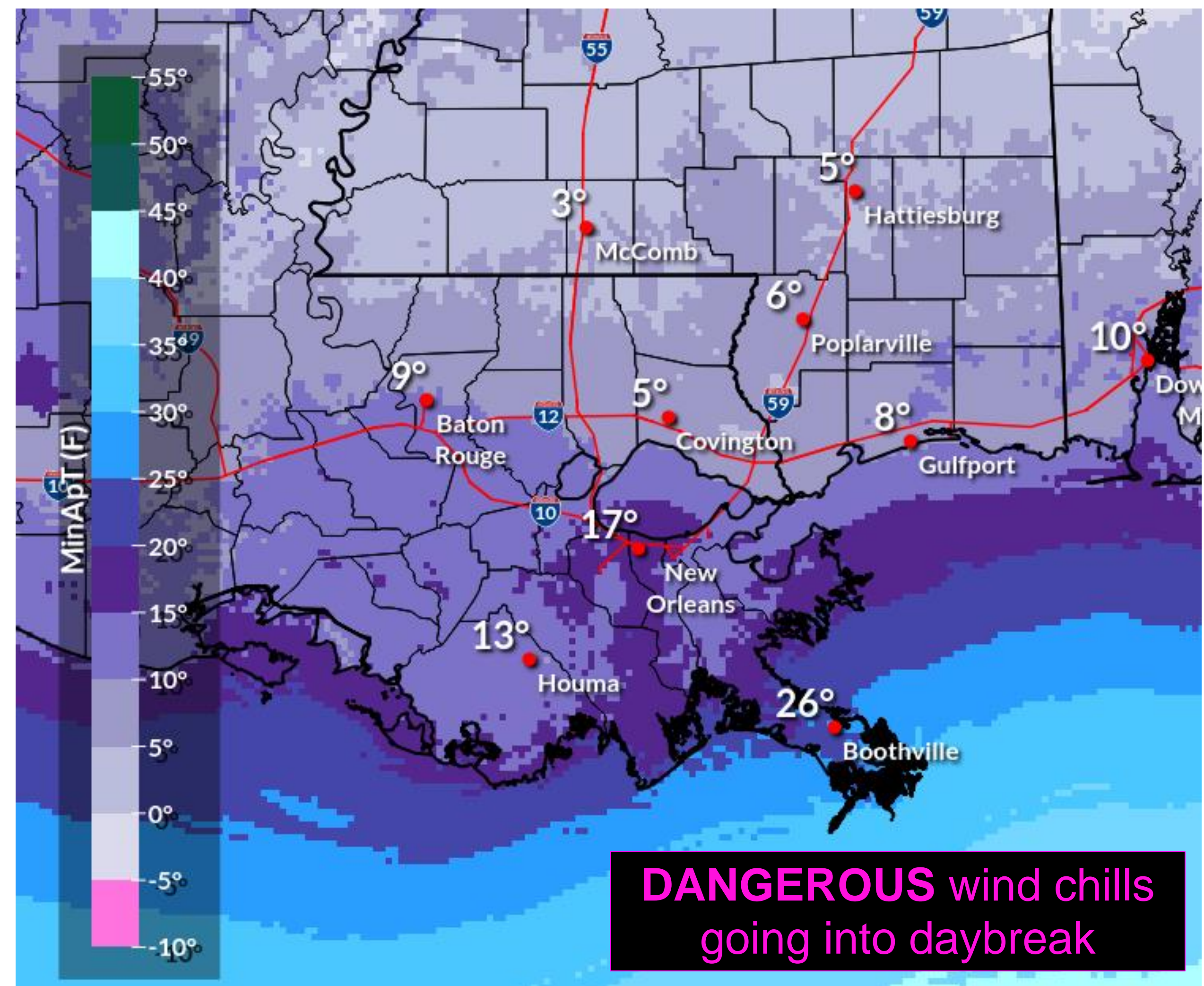


# Tuesday Night / Wednesday Morning Temperatures

Likely the COLDEST morning with just about the entire area below freezing!



Forecast Lows Wednesday Morning (°F)



Forecast Min Wind Chills Wednesday Morning

**DANGEROUS** wind chills going into daybreak





# Wind Chill Advisory

In effect from 10PM Tuesday thru 10AM Wednesday



## HAZARDS

**WHAT...** Dangerous Wind Chill temperatures to 10 degrees or lower expected in the highlighted area

**WHERE...** Mainly along and north of the interstate 10/12 corridor

**WHEN...** 10pm Tuesday through 10am Wed

## IMPACTS & SAFETY



**Dangerous  
Wind chills**



**Wear Warm  
Layers**



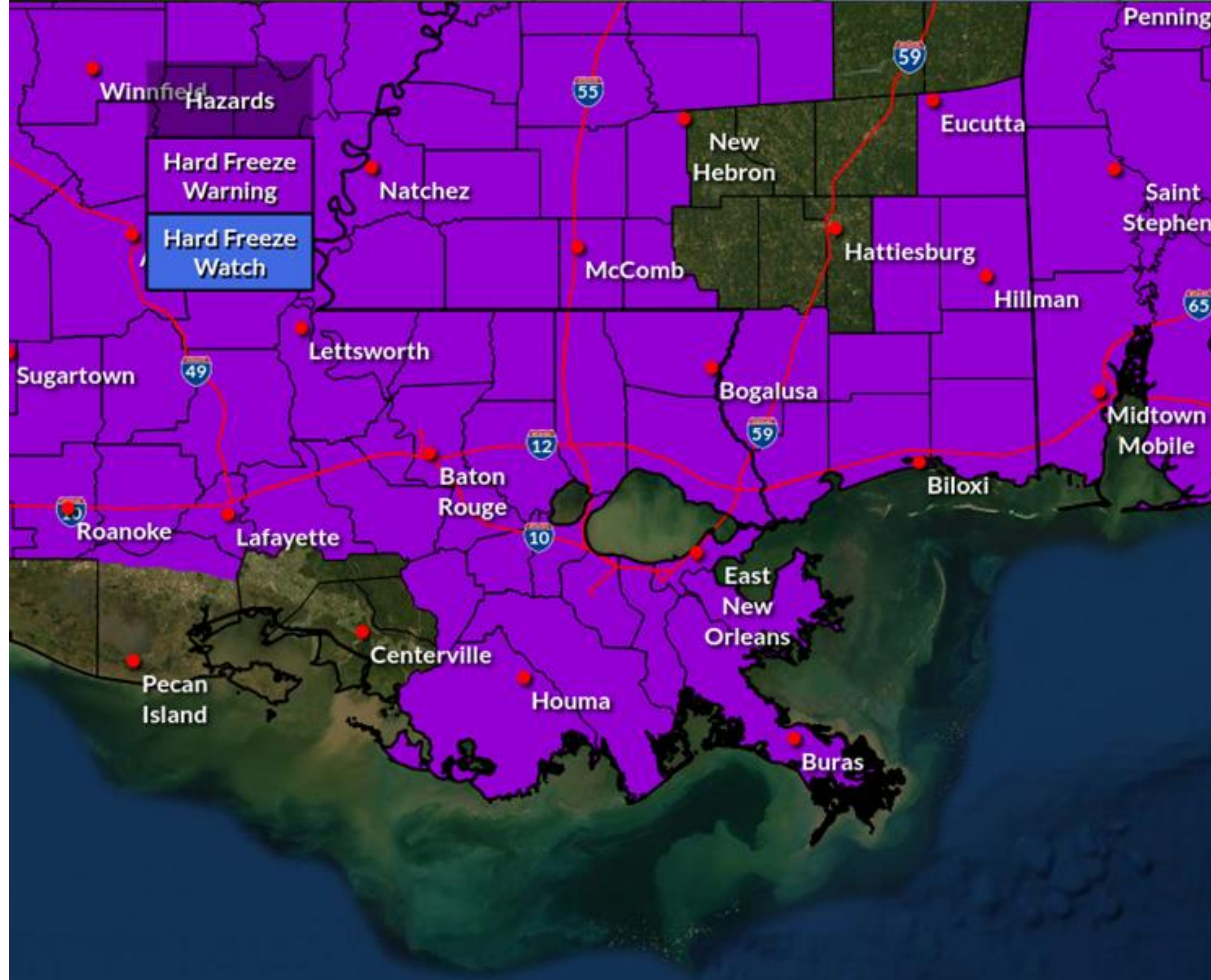
**Cover  
Exposed Skin**





# Hard Freeze Warning

In effect from 10PM Tuesday thru 10AM Wednesday



## HAZARDS

**WHAT...** Sub-freezing temperatures in the teens north to mid 20s south expected

**WHERE...** All areas

**WHEN...** From 10PM Tuesday to 10AM Wednesday

## PREPARE & PROTECT THE 4 P'S

**Plants**



Protect Sensitive Vegetation

**People**



Check on Elderly

**Pipes**



Protect Plumbing

**Pets**



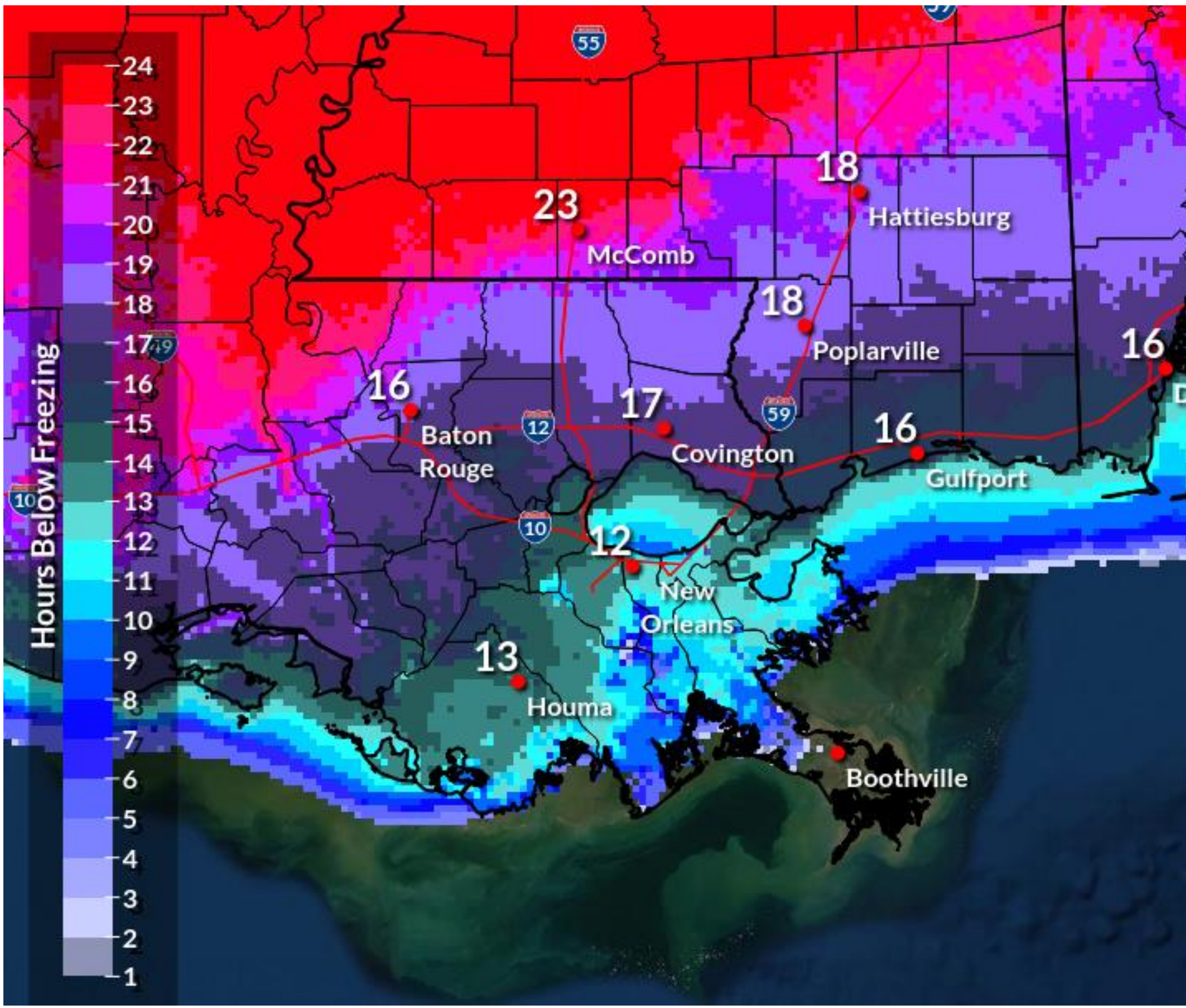
Bring Pets Indoors



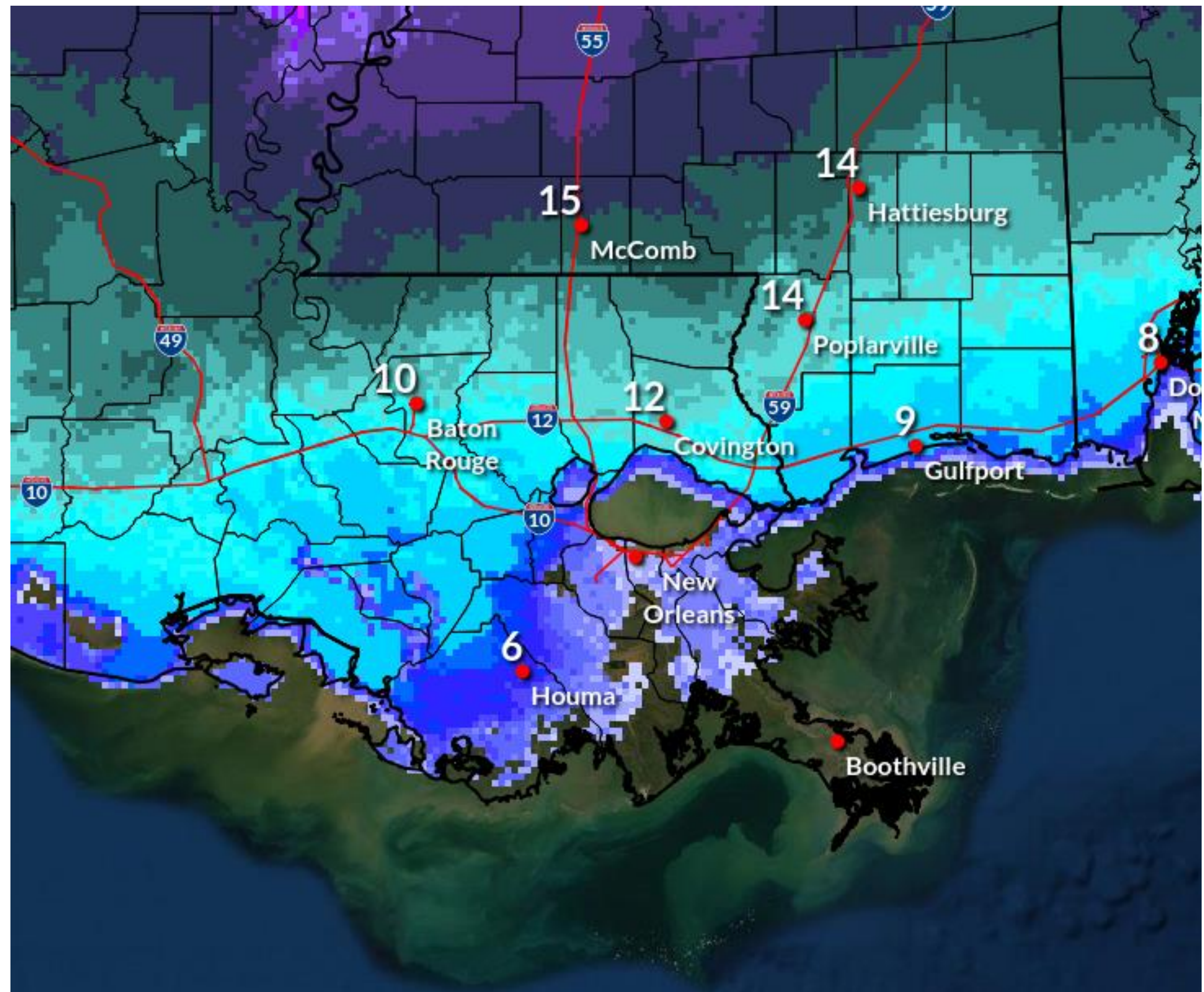


# Tuesday Night / Wednesday Morning Temp Duration

Below freezing and at/below Hard Freeze Warning criteria (25°F or lower)



Hours below freezing 12PM Tue – 12PM Wed



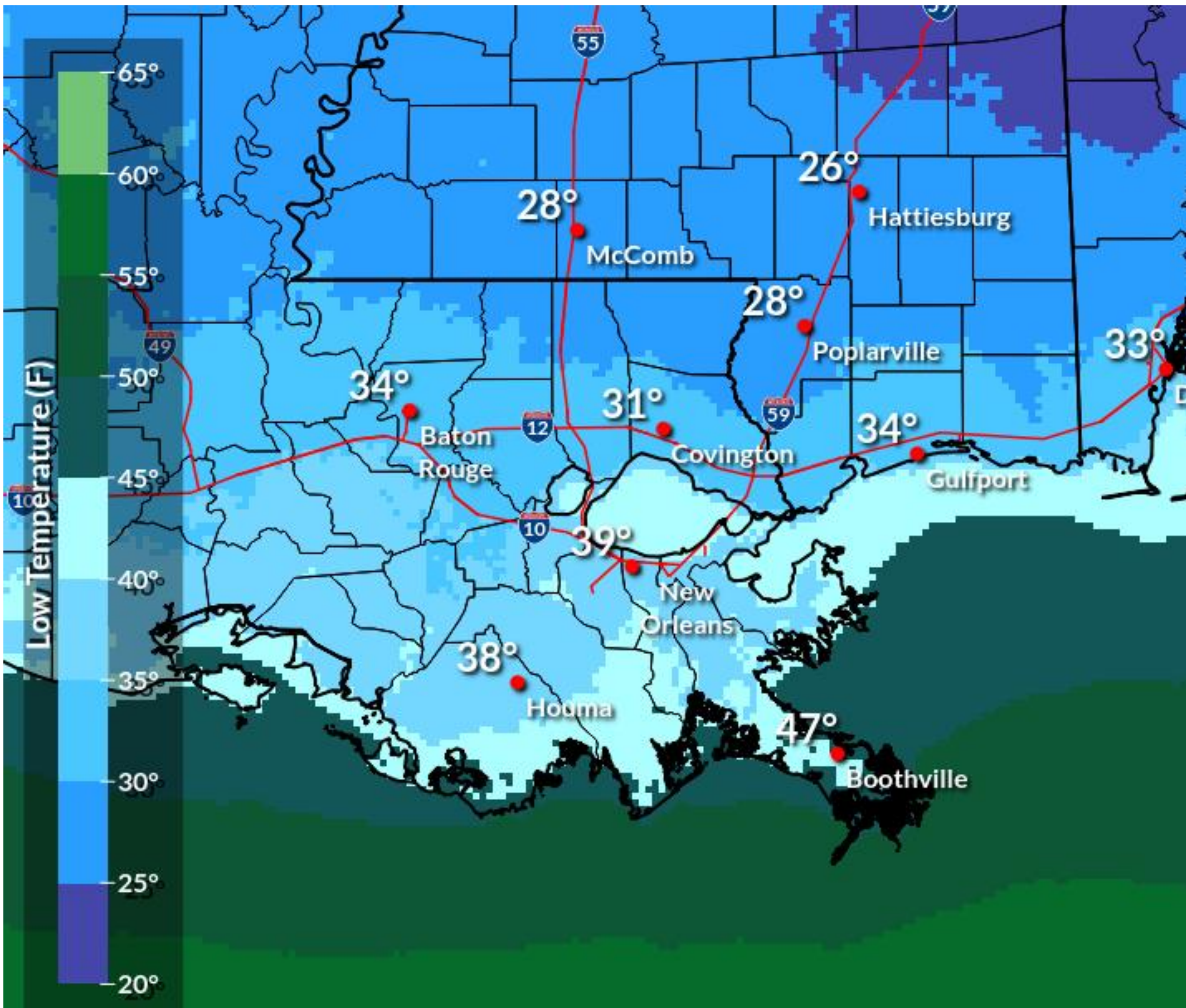
Hours 25°F or Lower 12PM Tue – 12PM Wed



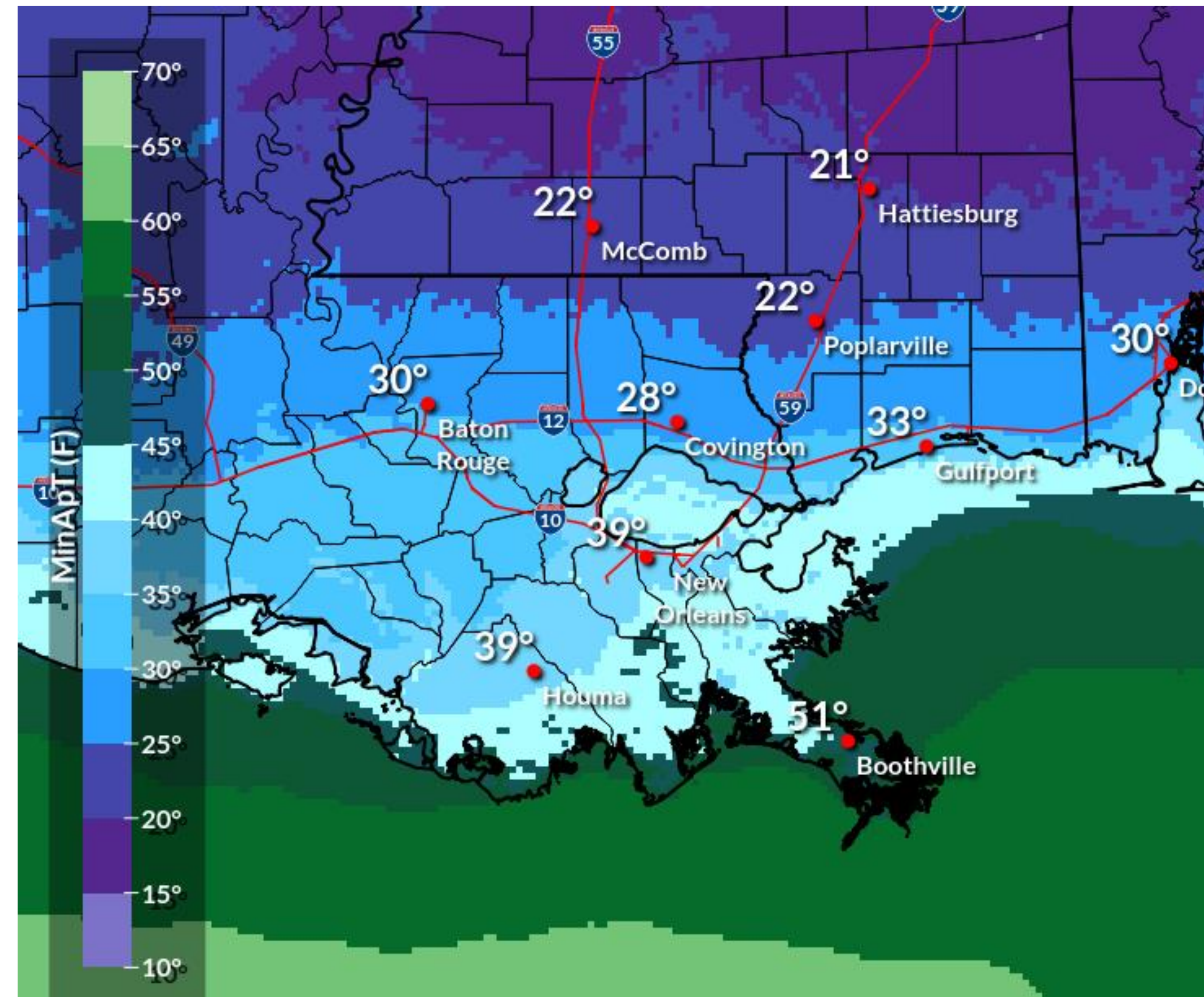


# Wednesday Night / Thursday Morning Temperatures

Cold again, but wind chills not as brutal since winds back off becoming light



Forecast Lows Thursday Morning (°F)



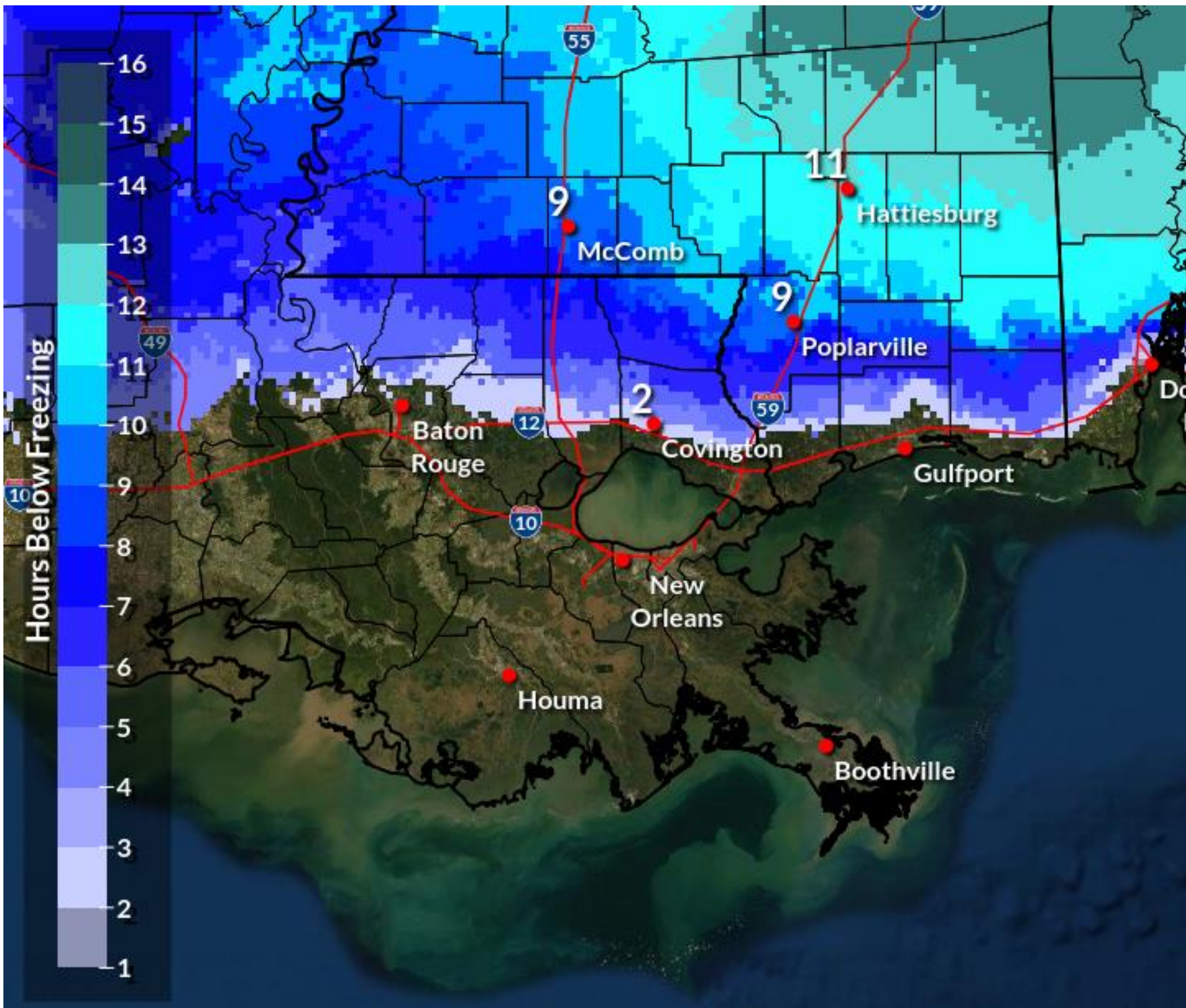
Forecast Min Wind Chills Thursday Morning



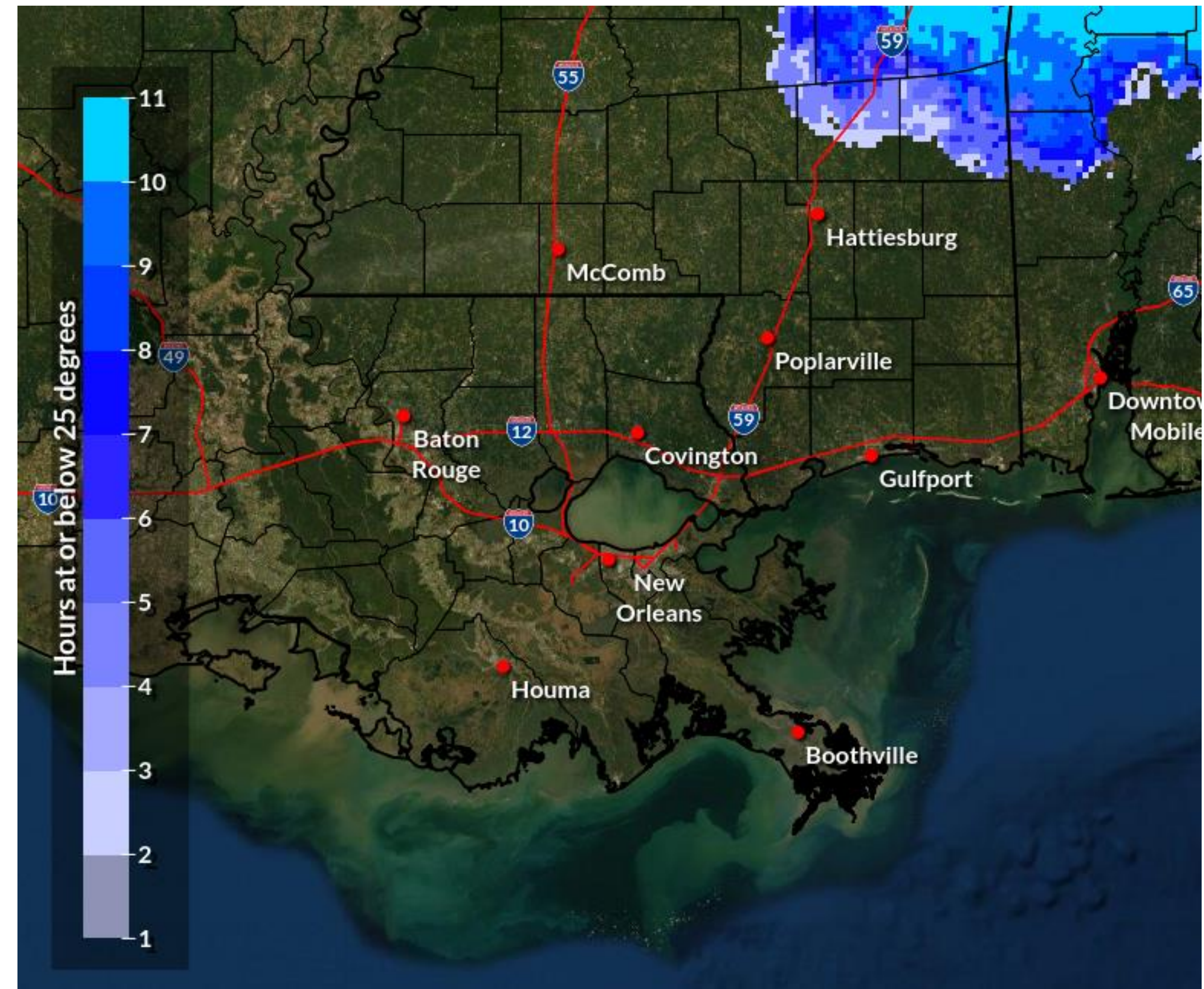


# Wednesday Night / Thursday Morning Temp Duration

Another extended-duration freeze for I-10/12 north, but not AS brutally cold



Hours below freezing 6PM Wed – 12PM Thu



Hours 25°F or Lower 6PM Wed – 12PM Thu





# Remember the 4 P's for Cold Weather

Impacts from freezing temperatures for an extended period likely



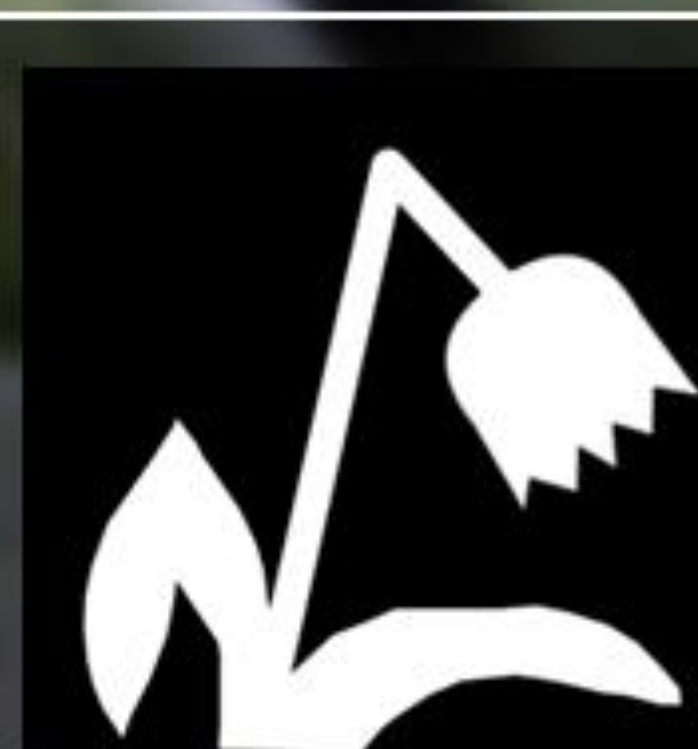
## People:

Check on children and the elderly, they are especially vulnerable to the cold.



## Pets:

Bring pets inside. Pets that must be left outside should have an enclosed shelter. Provide blankets for warmth.



## Plants:

Plants in containers should be brought inside if possible. Cover sensitive outdoor plants with light sheets.



## Pipes:

Wrap exposed faucets & pipes. Allow water to drip from indoor faucets to prevent freezing/bursting.





# 3 Hour Precipitation Type & Chances Forecast

For Select Cities – based from NWS official forecast

## Weather Forecast

|             | 1/15<br>Mon |     |     |     | 1/16<br>Tue |     |     |     |      |     |     |
|-------------|-------------|-----|-----|-----|-------------|-----|-----|-----|------|-----|-----|
|             | 12pm        | 3pm | 6pm | 9pm | 12am        | 3am | 6am | 9am | 12pm | 3pm | 6pm |
| Baton Rouge | 5%          | 20% | 40% | 45% | 15%         | 0%  | 0%  | 0%  | 0%   | 0%  | 0%  |
| Biloxi      | 5%          | 15% | 30% | 35% | 45%         | 45% | 5%  | 0%  | 0%   | 0%  | 0%  |
| Gulfport    | 5%          | 20% | 40% | 40% | 50%         | 45% | 5%  | 0%  | 0%   | 0%  | 0%  |
| Hammond     | 10%         | 25% | 35% | 40% | 40%         | 15% | 0%  | 0%  | 0%   | 0%  | 0%  |
| Houma       | 25%         | 25% | 35% | 40% | 40%         | 35% | 5%  | 0%  | 0%   | 0%  | 0%  |
| McComb      | 5%          | 20% | 40% | 40% | 10%         | 0%  | 0%  | 0%  | 0%   | 0%  | 0%  |
| New Orleans | 20%         | 30% | 50% | 60% | 55%         | 30% | 5%  | 0%  | 0%   | 0%  | 0%  |
| Pascagoula  | 5%          | 15% | 30% | 45% | 50%         | 55% | 10% | 0%  | 0%   | 0%  | 0%  |
| Poplarville | 5%          | 20% | 35% | 45% | 40%         | 20% | 0%  | 0%  | 0%   | 0%  | 0%  |
| Slidell     | 10%         | 30% | 50% | 55% | 60%         | 45% | 5%  | 0%  | 0%   | 0%  | 0%  |
| Woodville   | 10%         | 30% | 45% | 25% | 0%          | 0%  | 0%  | 0%  | 0%   | 0%  | 0%  |

\*Created: 1 pm CST Mon 1/15/2024. Shows most impactful weather for the period beginning at the time shown. Weather symbols display where Probability of Precipitation ≥ 0%.

**- Rain +**

**- Fz Rain +**

**- Wintry Mix +**





# 3 Hour Wind Chill Forecast

For Select Cities – based from NWS official forecast

## Wind Chill Forecast

|             | 1/15<br>Mon |     |     |     | 1/16<br>Tue |     |     |     | 1/17<br>Wed |     |     |     | 1/18<br>Thu |     |     |     |      |     |     |     |      |    |    |    |    |
|-------------|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|-------------|-----|-----|-----|------|-----|-----|-----|------|----|----|----|----|
|             | 12pm        | 3pm | 6pm | 9pm | 12am        | 3am | 6am | 9am | 12pm        | 3pm | 6pm | 9pm | 12am        | 3am | 6am | 9am | 12pm | 3am | 6am | 9am | 12pm |    |    |    |    |
| Gulfport    | 58          | 59  | 53  | 41  | 31          | 23  | 15  | 17  | 29          | 32  | 25  | 18  | 15          | 12  | 9   | 19  | 35   | 42  | 37  | 32  | 34   | 37 | 38 | 47 | 57 |
| Baton Rouge | 41          | 36  | 29  | 23  | 18          | 15  | 12  | 12  | 23          | 26  | 23  | 17  | 14          | 15  | 13  | 19  | 36   | 43  | 37  | 31  | 31   | 34 | 38 | 43 | 59 |
| Houma       | 60          | 58  | 51  | 35  | 28          | 20  | 15  | 15  | 25          | 31  | 28  | 22  | 17          | 16  | 15  | 22  | 39   | 45  | 41  | 34  | 37   | 44 | 47 | 55 | 64 |
| Slidell     | 60          | 59  | 48  | 35  | 27          | 20  | 14  | 16  | 28          | 31  | 22  | 16  | 12          | 9   | 8   | 17  | 37   | 42  | 34  | 29  | 31   | 36 | 38 | 51 | 59 |
| New Orleans | 59          | 57  | 52  | 40  | 31          | 24  | 19  | 18  | 25          | 30  | 28  | 23  | 20          | 17  | 16  | 23  | 35   | 40  | 38  | 36  | 39   | 43 | 45 | 54 | 61 |
| Biloxi      | 60          | 61  | 54  | 42  | 31          | 24  | 17  | 19  | 29          | 32  | 25  | 19  | 15          | 12  | 10  | 20  | 36   | 42  | 37  | 31  | 31   | 35 | 36 | 46 | 58 |
| McComb      | 34          | 30  | 22  | 17  | 11          | 6   | 2   | 5   | 19          | 21  | 14  | 10  | 7           | 7   | 6   | 18  | 35   | 42  | 32  | 23  | 22   | 24 | 29 | 37 | 54 |
| Woodville   | 27          | 25  | 19  | 13  | 8           | 5   | 1   | 6   | 19          | 22  | 14  | 9   | 7           | 6   | 8   | 19  | 37   | 42  | 33  | 23  | 22   | 25 | 31 | 40 | 56 |
| Pascagoula  | 60          | 61  | 56  | 47  | 36          | 28  | 20  | 23  | 29          | 32  | 26  | 19  | 15          | 12  | 10  | 19  | 35   | 42  | 38  | 33  | 33   | 37 | 38 | 47 | 57 |
| Hammond     | 51          | 47  | 37  | 27  | 21          | 16  | 11  | 11  | 26          | 28  | 23  | 15  | 12          | 11  | 9   | 19  | 37   | 44  | 36  | 27  | 27   | 31 | 36 | 42 | 59 |
| Poplarville | 54          | 54  | 39  | 28  | 22          | 16  | 9   | 12  | 25          | 29  | 18  | 14  | 9           | 9   | 9   | 18  | 36   | 44  | 33  | 23  | 23   | 25 | 29 | 38 | 54 |

\*Table values in °F

\*\*Created: 1 pm CST Mon 1/15/2024





# Beyond Thursday

Overview heading into next weekend.

- Moderation will continue late-week, with no below freezing temperatures expected Friday morning (lows upper 30's to 40's).
- Light rain chances late Thursday into early Friday. No winter weather concerns at this time.
- Another shot of very cold air looking more likely next weekend. Check back for more updates.





## Questions?

Contact WFO New Orleans at  
504-522-7330 or 985-649-0429  
or through the #wfo-new-orleans-la  
channel on NWSChat 2.0 (slack)

*Get the latest forecast and hazard information at  
[www.weather.gov/neworleans](http://www.weather.gov/neworleans)*