Key Messages

- → Severe Weather: Strong to severe thunderstorms are possible Tuesday afternoon into early Tuesday evening (Noon to 8 PM greatest risk. Main hazards are damaging wind gusts and tornadoes.
- → Winds: Strong southerly winds will develop on Tuesday and could result in downed trees and power outages. Strongest winds along the coast.
- → Marine: Dangerous marine conditions with wind gusts of 50 knots or greater and seas as high as 10-17 feet expected Tuesday.
- → High Surf: Large breaking waves will impact the beaches late Monday night into Wednesday morning. High Surf Advisory could be needed.
- → Coastal Flooding: Minor to moderate coastal flooding is possible with the Tuesday morning high tide.



National Weather Service



Charleston, SC
WEATHER FORECAST OFFICE

...Storm System To Bring Significant Impacts Tuesday & Tuesday Night...

OVERVIEW:

A strong low pressure system is expected to develop across the Mississippi River Valley on Tuesday and track through the eastern Great Lakes. A strong cold front associated with the system will push through the Southeast U.S. Tuesday into Tuesday night. Ahead of the front, very gusty winds and dangerous marine conditions are expected to develop. Additionally, a line of strong thunderstorms could impact the region Tuesday afternoon into Tuesday evening.

TIMING

- Severe Thunderstorms: Tuesday afternoon into Tuesday evening.
- Coastal Flooding: Tuesday morning high tide occurring around 6 AM.
- Winds: Tuesday morning, persisting into Tuesday night for land and marine areas.
- High Surf: Late Monday night into Wednesday morning.

HAZARDS &

IMPACTS

Severe Thunderstorms

- Damaging Winds: Wind gusts in excess of 58 mph could damage trees and power lines and result in scattered power outages.
- Tornadoes: Isolated tornadoes are possible.

Coastal Flooding

• Minor to moderate saltwater flooding is likely with the Tuesday morning high tide, with some risk for major coastal flooding along the Charleston and Colleton county coasts.

Winds

- Land: Winds 25-35 mph with gusts of 45-60 mph are possible, highest at the coast. Strong winds could result in large limbs and/or trees blown down and power outages. Probabilities of wind gusts ≥ 60 mph are between 45-75% along the coast.
- Marine: Winds 30-40 kt with gusts 45 kt across the coastal waters and Charleston Harbor. Storm-force gusts around 50 kt in the nearshore waters from South Santee River to Savannah out 20 nm and the Georgia offshore waters beyond 20 nm. Strong winds will cause hazardous marine conditions with dangerous seas as high as 10-17 feet.
- Lake Moultrie Winds: 25-35 knots with gusts to 40 kt. Waves up to 4 ft. Dangerous conditions are likely on the lake.

High Surf

Large breaking waves of 5-7 feet are possible. This could result in beach erosion.

ADDITIONAL INFORMATION

- SPC Outlook
 Local Tide Forecasts:
 Charleston Harbor, SC |

 Fort Pulaski, GA
- WPC Excessive Rainfall Outlook
- Graphical Hazardous
 Weather Outlook

NEXT BRIEFING

- One pager by 6 AM, Mon. Jan 8.
- Full weekly briefing at 11 AM, Mon. Jan 8.

