Duke Energy Carolinas, LLC & Duke Energy Progress, LLC
Docket NO. M-100, Sub 163
PSDR No. 2-6a. Weather Forecast Documentation
Period: December 19, 2022 through December 5, 2022



Carolinas Weather Outlook Issued: 12/19/2022 7:02 AM

Carolinas – West	Mon 12/19	Tue 12/20	Wed 12/21	Thu 12/22
Mountains			Chance of PM rain; rain and/or freezing rain overnight	AM rain and/or freezing rain; up to 0.10" ice across northern NC mtns
Triad			Slight chance of PM rain; rain likely overnight	Rain likely
Central			Slight chance of PM rain; rain likely overnight	AM rain likely
Upstate			Slight chance of PM rain; rain likely overnight	AM rain likely

Carolinas – East	Mon 12/19	Tue 12/20	Wed 12/21	Thu 12/22
Triangle North			Rain likely overnight, mainly after midnight	Rain
Triangle South			Rain likely overnight, mainly after midnight	Rain
Coastal			Chance of rain overnight, mainly after midnight	Rain
Pee Dee			Chance of rain overnight, mainly after midnight	Rain

No	Marginal	<u>Moderate</u>	Significant	Major
Threat	Threat	Threat	Threat	Threat

^{*}To see a comprehensive map of the Duke Energy Carolinas Distribution Zones, click here.

3-Day Carolinas Weather Forecast

Today: Sunny early, then partly sunny. Highs 45 to 50 degrees. Variable wind around 5 mph.

Tonight: Mostly cloudy. Lows in the upper 20s to middle 30s. Light and variable wind.

Tuesday: Considerable cloudiness. Highs in the lower and middle 40s west, middle and upper 40s east. Northeast wind around 5 mph.

Wednesday: Considerable cloudiness with a chance of rain in the afternoon. Lows in the lower and middle 30s. Highs in the middle 40s west, upper 40s east. Northeast wind 5 to 10 mph.

Weather Discussion

Weather-related outages are not expected across the Carolinas Service Area through Wednesday afternoon.

Cold high pressure builds into the Carolinas through Tuesday. An area of mid/high cloudiness will spread across the region west-to-east this morning through this afternoon. Skies will remain rather cloudy tonight and Tuesday.

An area of low pressure will develop near the Southeast US coast late Wed and track up the Carolina coastline on Thursday. Skies will remain rather cloudy across the region on Wednesday with a chance of light rain in the afternoon.

^{**} For customer outage projection terminology, click <u>here</u>.

Precipitation will increase in coverage and intensity across the western Carolinas overnight. There could be some wintry mix across the higher elevations of the NC mountains on Wednesday night into early Thursday morning. Ice accumulations look to be generally 0.10" or less with highest totals to the northeast of the Asheville area.

EXTENDED FORECAST

Rain on Thursday as the storm system tracks up the coast, ending by early afternoon across the Carolinas-West region but lingering until late afternoon or early evening across the Carolinas-East region.

A powerful cold front will move quickly across the region on Friday. The models differ on the exact timing of this front and the arrival of the much colder air mass behind it. However, in general, expecting temperatures to be warmer in the morning than the afternoon and turning much colder by evening. Could see mid-upper 20s across the Carolinas-West region by early evening.

Very cold conditions are forecast for Saturday – Monday. Saturday and Sunday will both features morning lows in the middle teens to lower 20s and highs in the 30s. Monday will be slightly warmer with lows in the upper teens and lower 20s followed by highs in the upper 30s and lower 40s. Temperatures will continue to slowly moderate through the of next week, then above normal temperatures are forecast for the 11-15 day period.

*For Duke zone temperature forecasts, click here. For satellite, radar and lightning graphics, click here.





