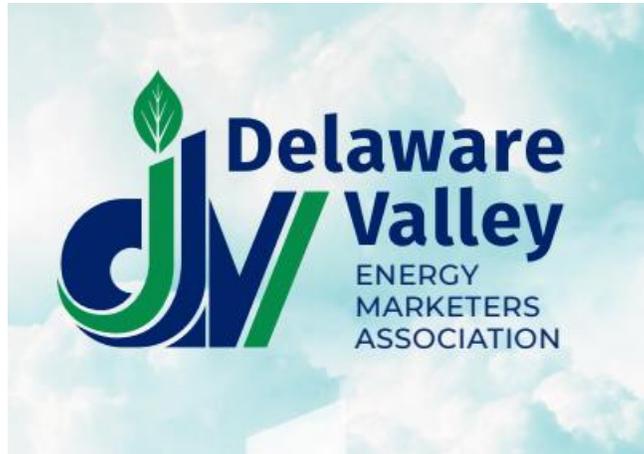


WEATHER TRENDS



LATE WEEK WEATHER TRENDS FOR THE NORTHEAST U.S. INCLUDING THE DELAWARE VALLEY AREA OF THE MIDDLE ATLANTIC

FAX-ALERT WEATHER SERVICE, LLC

Issued: Friday, November 12, 2021

3 am

BACK AND FORTH LA NINA PATTERN CONTINUES

1. The November month-to-date anomaly shows that so far, the cool periods have been outdueling the mild periods across portions of the eastern U.S.
2. There is still room for some well above normal days to sweep into the region from time to time, but evidence continues to grow that a solidly colder than normal pattern will dominate much of the late November period...
3. This week's warming will be replaced by strong cooling starting Sunday...

STORM TRENDS

POTENT STORM SYSTEM SWEEPS ACROSS THE NORTHEAST TODAY

Widespread moderate to heavy rain is likely along with strong and gusty winds; maybe even a couple of thunderstorms; Severe T-storm potential in play MD/DE/NYC/LI/CT/RI/MASS & CAPE area...

A secondary disturbance Saturday afternoon and evening will produce another round of showers, and areas of wet snow or snow showers...

Next storm system comes into play Monday into Tuesday and that one has the chance to produce some significant, locally heavy, snow totals, especially across northern NH and northern portions of Maine...

1. Widespread 0.75 to 1.50 inch rain totals expected today...

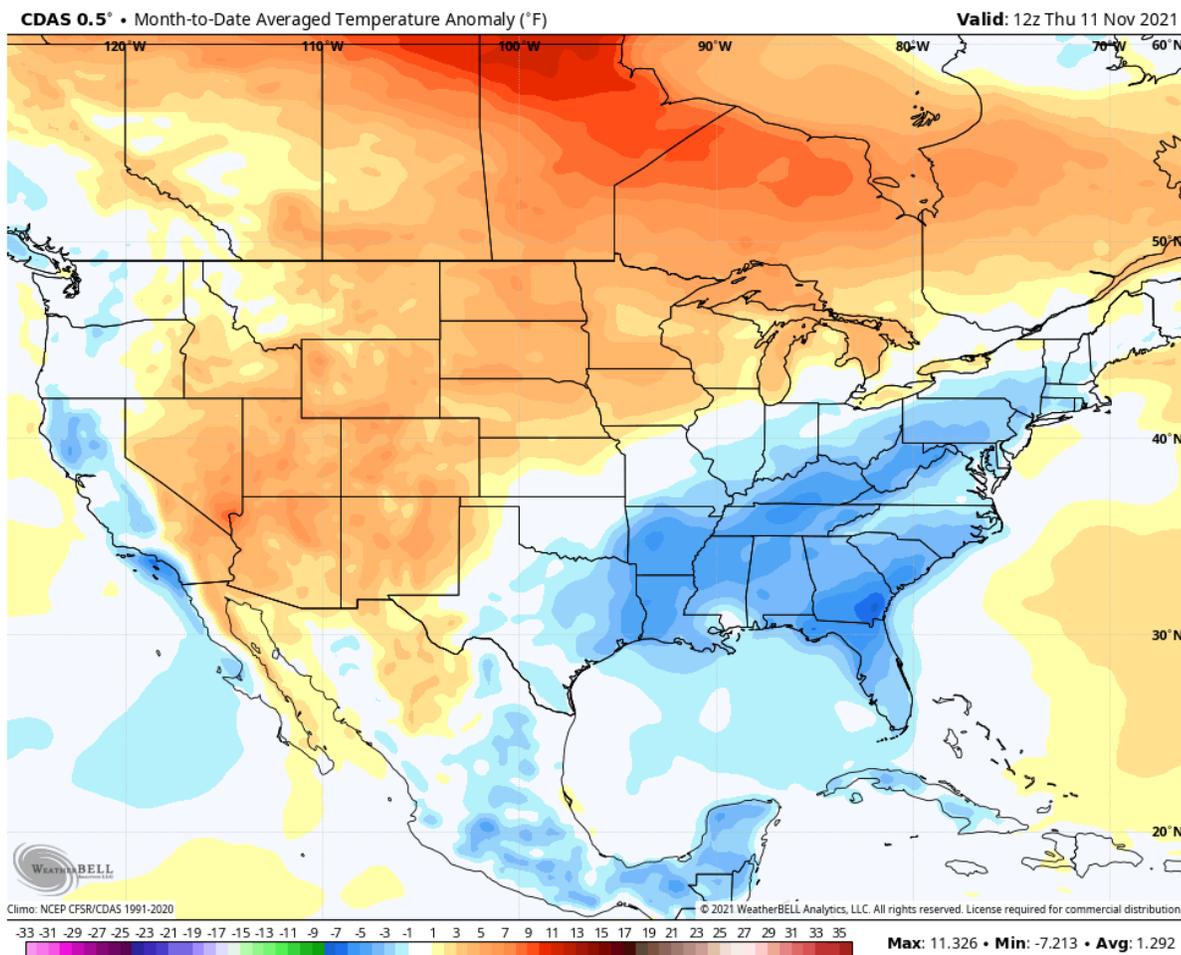
2. Gusty winds are likely across much of the area, but I will be far southeastern Massachusetts and the Cape Cod region that has the greatest threat for scattered tree damage and power disruptions, as winds gust to 50 mph...

TEMPERATURE TRENDS

Once again, I can report that so far, the early portion of the late fall / early winter outlook is playing out pretty much as expected. As I have stated numerous times, La Nina events tend to favor a back-and-forth pattern with respect to temperatures.

So far November has been able to average somewhat cooler than normal across portions of the eastern U.S.; including the Northeast.

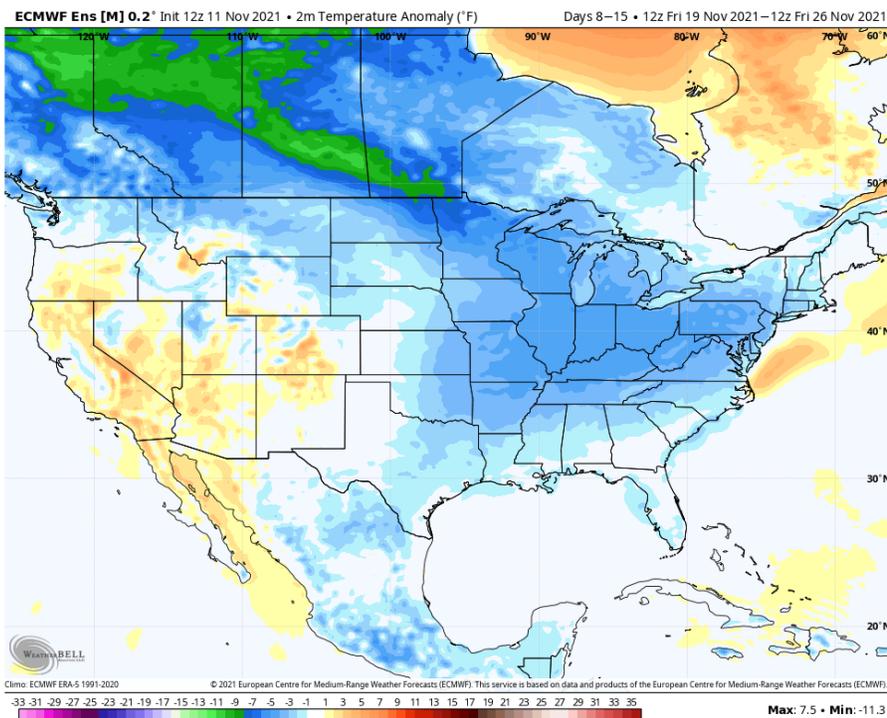
Here is the most recent month-to-date anomaly update through November 11th.



- Certainly nothing overly dramatic in terms of cold, but the widespread nature of the near normal to modestly cooler than normal conditions is impressive, given how mild October trended.

- Very often the warm periods will outduel the cold periods over the course of a La Nina winter, but the cold can be significant, and as we saw last February, it can be extreme for a time.
- This past week has once again shown the 2-faced side of a La Nina event. Even though the pattern is getting ready to revert back to colder conditions, we saw warmth explode across portions of the region Tuesday, as 70 degree high temps were noted.
- Never doubt the ability of a La Nina to produce warm periods that over-perform what the modeling was suggesting. Somewhere down the road, most likely mid-January into mid-February, could be the time frame to watch for the warmest winter anomalies to show-up.
- I am still onboard with late November on into or even through December averaging normal to moderately colder than normal (when averaged out over a 30-day period). Depending on whether or not high latitude blocking comes into play and/or if the Polar Vortex becomes disturbed, the there is room for colder than now predictions to occur.
- While I do think there is a high probability of colder than normal conditions occurring during the late November period on into early December, we could eventually see the mid-December into early January period hold the overall greatest cold potential.

Here is the expected 7-day anomaly pattern ending on Friday, November 26th...



- While the cold anomaly is expanding and intensifying across the Midwest on into the Northeast, the most impressive thing to me is the very impressive cold that is building across central and western Canada. Anomalies in the -9 to -15 degree range (green area) are impressive.

- As we get into the last few days of November or more likely early December, I expect the very cold conditions building across central & western Canada to spill south and east into the central and possibly eastern U.S.

Obviously short-term trends across North America over the next week will tell us a lot about not only how the late November / early December period will play out, but also whether or not December has a shot at averaging solidly colder than normal?

DISRUPTIVE WEATHER

Not unexpectedly, the November storm pattern is ready to get cranking.

Today / Tonight: A potent storm with lots of upper air dynamics will impact the region today.

A large area of moderate to locally heavy rain, which moved into western NY/PA overnight is now marching eastward into eastern NY, eastern PA/NJ and western New England. By early this afternoon it should extend into all of eastern New England.

The rain will exit western NY/PA early this afternoon and then the back edge of the significant rain will move across eastern NY/eastern PA/NJ and western New England by early evening before exiting offshore of eastern New England by or shortly after midnight.

Current data trends suggest widespread 0.50 to 1.00 inch totals from central NY, central PA on eastward across eastern PA/NJ, eastern NY and New England. The potential exists for some scattered 1.50 inch totals across parts of NH, central and southern Maine, as well as eastern MA/eastern CT, and RI.

I am not expecting any widespread damaging winds, but there will be some pockets of winds gusting into the 45 to possibly 55 mph range across eastern LI, southeastern Massachusetts and Cape Cod, as well as coastal NH and coastal Maine. We might also see some 50 mph gusts along the crest of the Adirondacks, the Greens and the Whites.

Most other locations are likely to see winds gust into the 30 to 40 mph range.

It should be noted that given the surge of warm moist air northward toward Southern New England into a highly sheared environment, there is the potential for some brief severe thunderstorm events today; possibly even a brief tornado or two from the Northern Middle Atlantic region northward across LI, NY, CT, RI and southeastern Massachusetts & the Cape Cod area.

Saturday / Saturday night: A strong secondary upper air disturbance will race across the region Saturday and Saturday night. This system will be accompanied by another slug of moisture and increasingly cold temperatures aloft.

I expect scattered to widespread rain showers to develop during Saturday and increase in coverage, as the day progresses.

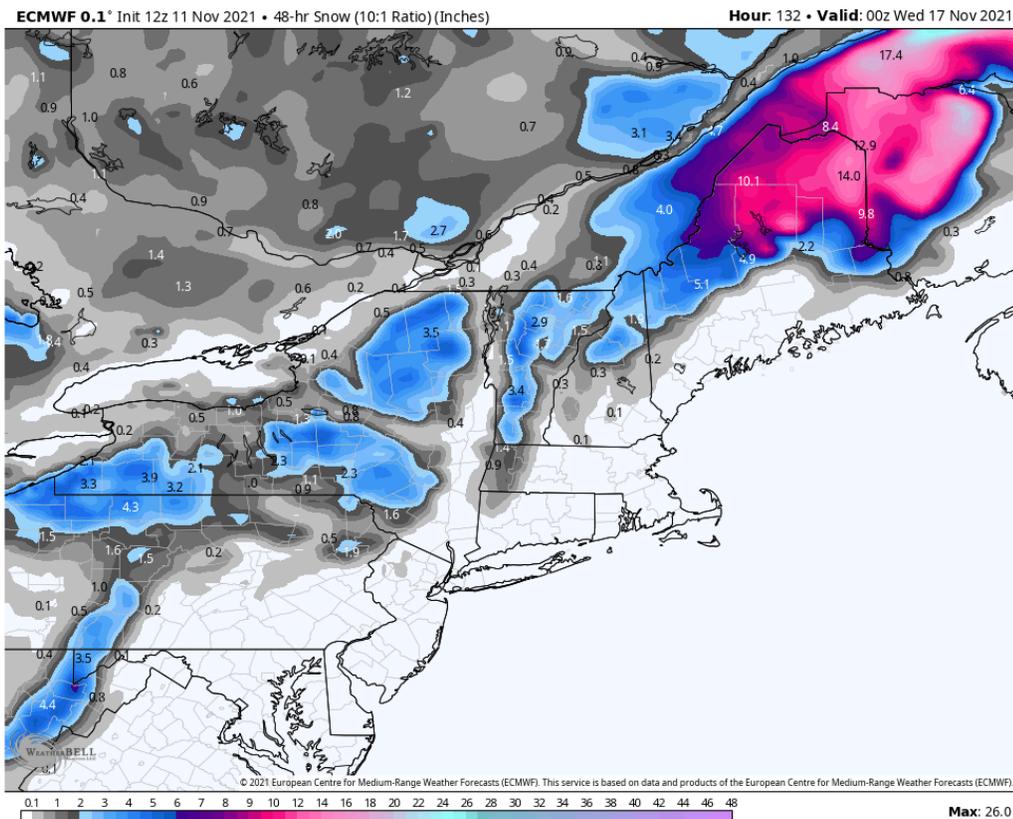
Cold temps aloft are likely to produce scattered to widespread Lake Effect snow showers and squalls across the favored areas of western NY on into central NY; as well as the Adirondacks Saturday and Saturday evening. I am not looking for any widespread disruptive snowfalls across these areas, but snow will be flying and some slushy accumulations are possible. Some scattered 1 to 3 inch amounts cannot be dismissed.

A more impressive snow squall and/or steady snow event is likely to develop Saturday night across the high terrain areas of the Green Mountains of VT on northeast across the high terrain areas of northern NH and northern Maine. In these areas, a general 2 to 4 inch snowfall is likely with scattered areas seeing amounts above 4 inches.

A third system will race into the region Sunday night and/or Monday morning. This system will produce another round of rain and/or snow for much of the region from late Sunday night on into a good portion of Monday, before exiting late Monday or early Tuesday.

This system will have a much greater potential to produce areas of significant snowfall for interior portions of NY/PA/New England.

Here is the projected snowfall by the European model from Sunday night through Tuesday; the majority of the snowfall would occur from very late Sunday or more likely early Monday into Tuesday.



- Note the pockets of light to borderline moderate snow accumulation in the 2 to 4 inch range across far northern PA, southwestern NH, central and northern NY, the spine of the Green Mountains of VT, northern NH and northern Maine.

- Obviously, far northern and northeastern Maine are currently projected to see the snow jackpot with totals in the 10 to 14 inch range.

As always with snow events, a lot can happen over a 48 to 72 hour forecast period, but the pattern is certainly looking more and more winter-like.

Even where it does not snow across the high terrain areas of the Northeast, good snowmaking conditions are expected this weekend on into next week.

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