

The Weather Prediction Center is seeking public comment on a modernization and revamp of the National Forecast Charts. These changes aim to improve the quality and readability of the map while improving consistency with the existing suite of NWS products.

### Highlighted Changes:

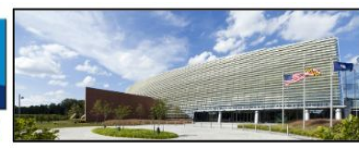
- ★ Color and style adjustments for some hazards areas and precipitation types
- ★ Leveraging the existing NWS National Digital Forecast Database (NDFD) for the general precipitation areas (rain, rain/thunderstorms, rain/snow, snow)
- ★ Using probabilistic data for Heavy Snow and Freezing Rain hazard areas
- ★ Regular 2x/day updates to forecast charts Days 1, 2, 3

*The National Forecast Chart updated hazards and thresholds for inclusion on the map*

Weather / Hazard Feature	Origin and Thresholds
Severe Thunderstorms	<a href="#">SPC convective outlook</a> slight risk contour (chance of severe weather within 25 miles of a certain point).
Flash Flooding	<a href="#">WPC excessive rainfall outlook</a> slight risk contour (15-40% chance of exceeding flash flood guidance within 25 miles of a certain point).
Heavy Snow	<a href="#">Winter Storm Severity Index - Probabilistic</a> (WSSI-P) for the 30% threshold at the Major Impact category for Snow Amount
Freezing Rain	<a href="#">Winter Storm Severity Index - Probabilistic</a> (WSSI-P) for the 35% threshold at the Minor Impact category for Ice Accumulation
Critical Fire Weather	The critical fire weather threat polygon (Level 2) from the <a href="#">SPC Fire Weather Outlooks</a>
General Weather	NWS National Digital Forecast Database (NDFD) weather type, depicting rain, thunderstorms, mixed precipitation, and snow
Fronts including highs/lows pressure centers	<a href="#">WPC short-range public products</a>
Tropical systems	Latest <a href="#">NHC</a> forecast points, valid at consistent times with the fronts

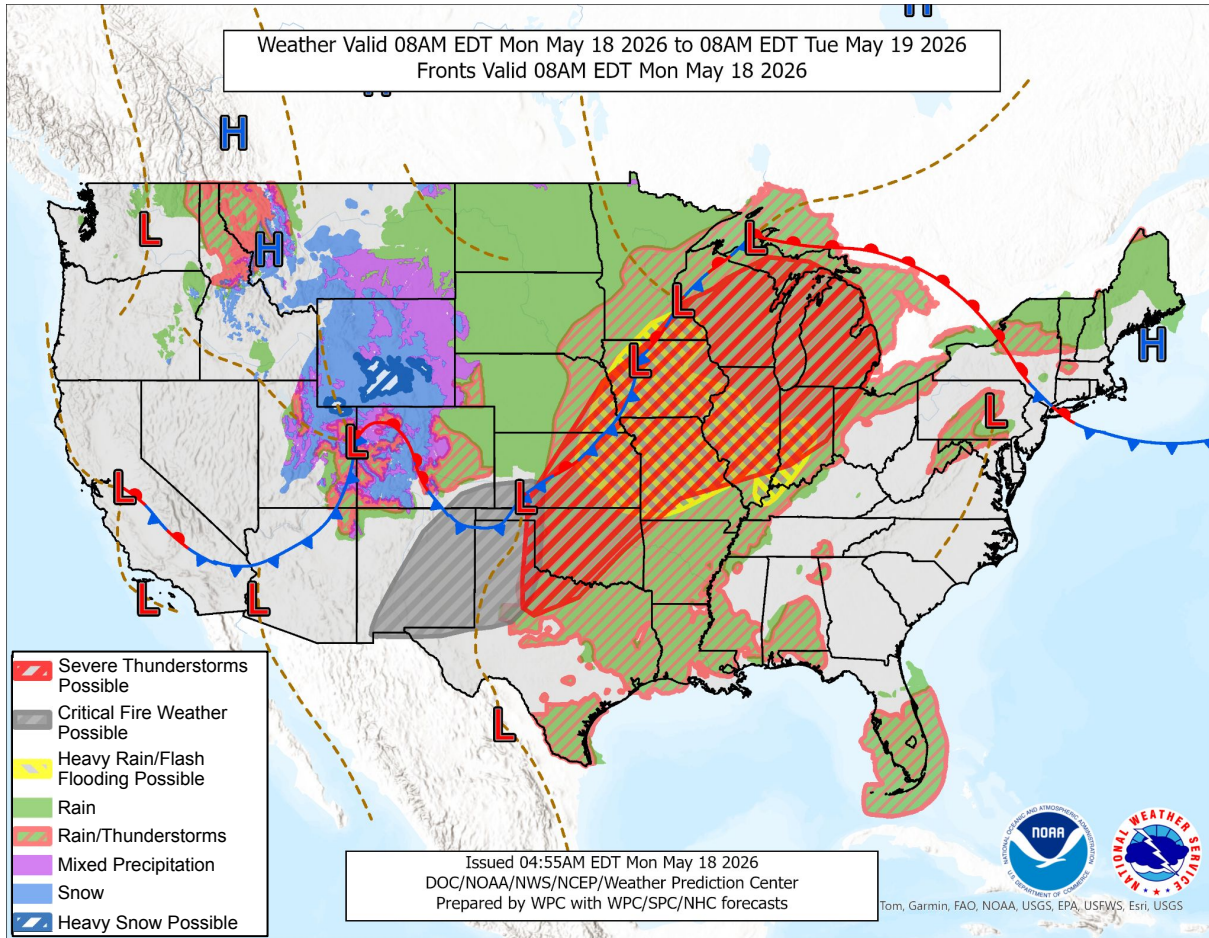
**We are looking for your feedback**  
 Submit comments to [public.program@noaa.gov](mailto:public.program@noaa.gov)

The following pages of this document show a comparison of the current chart with the new proposed chart for selected dates.

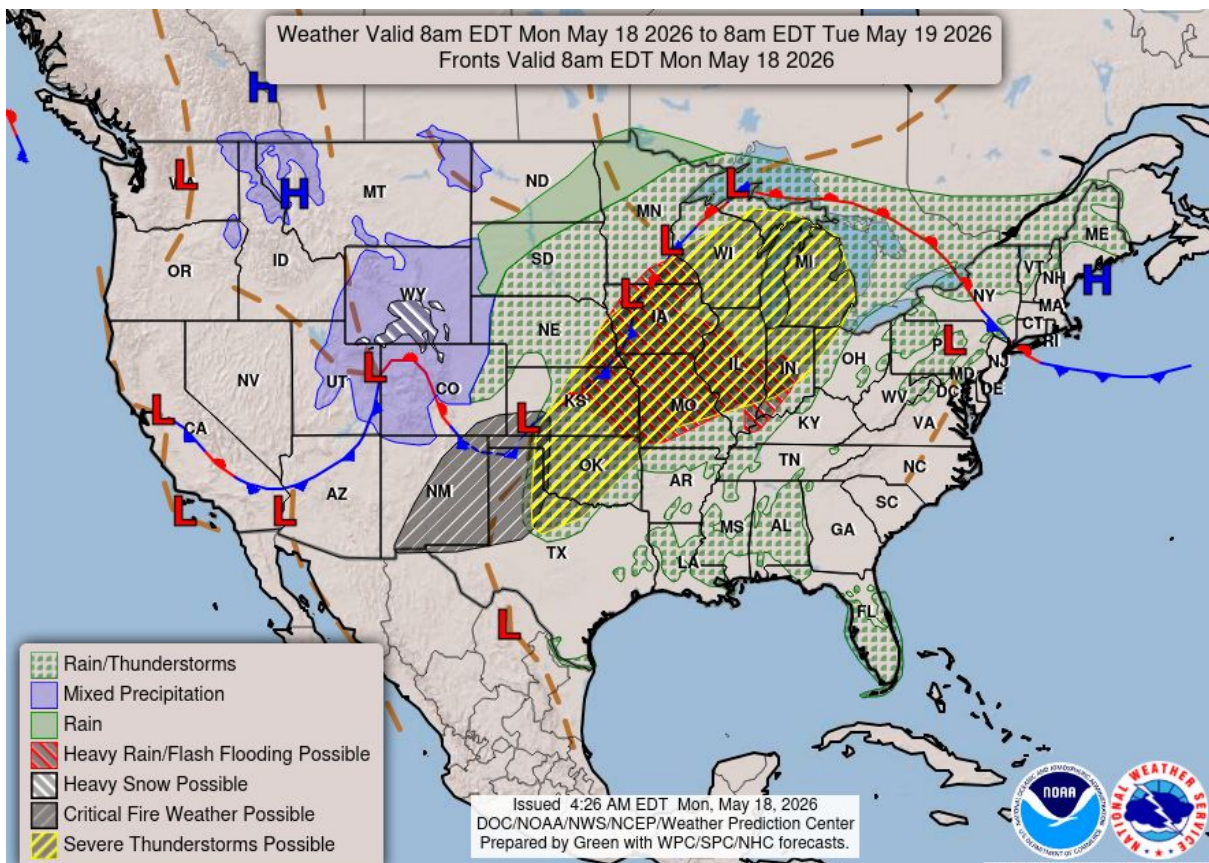


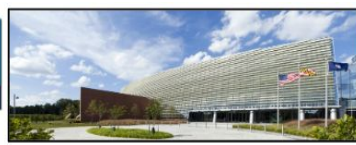
## Example 1

Proposed  
New



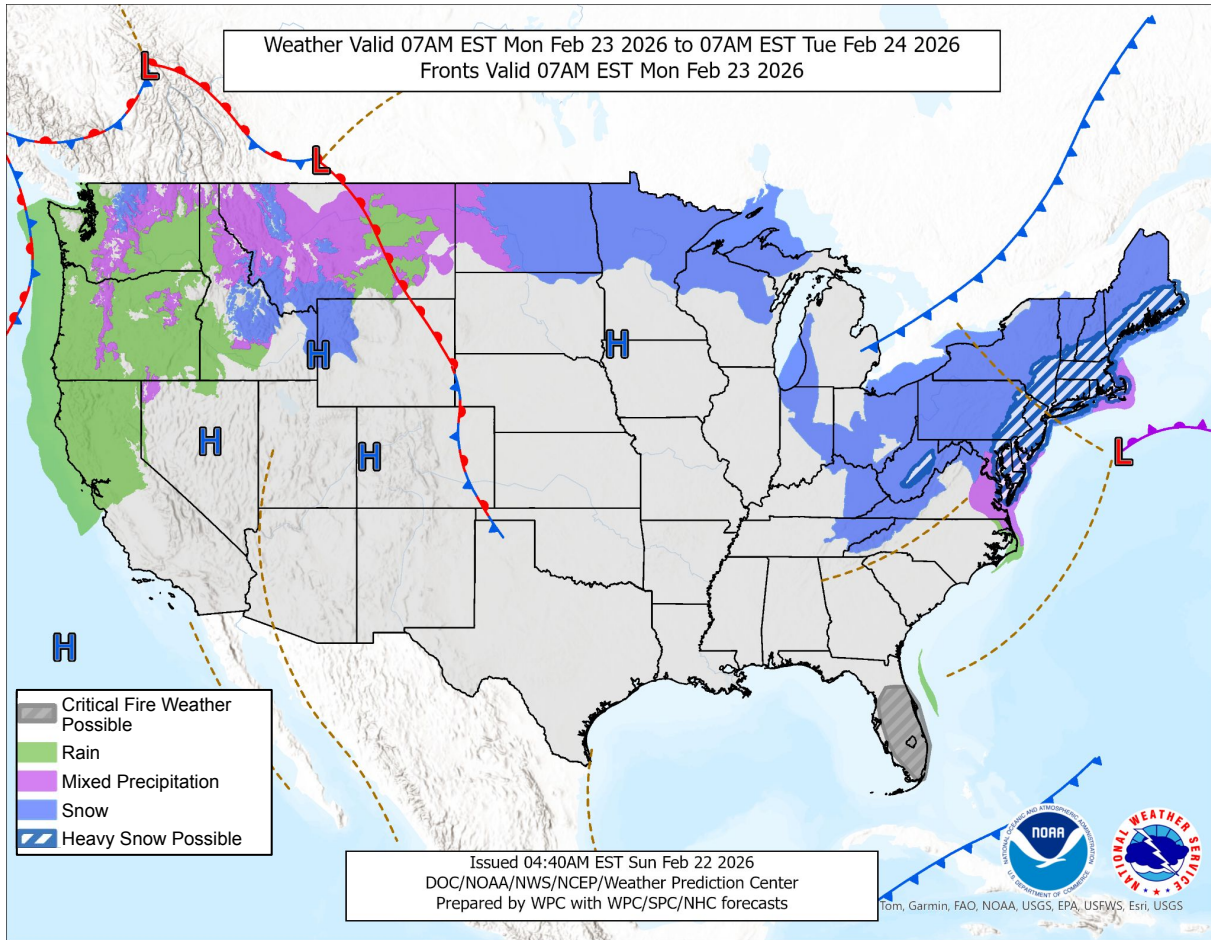
Current



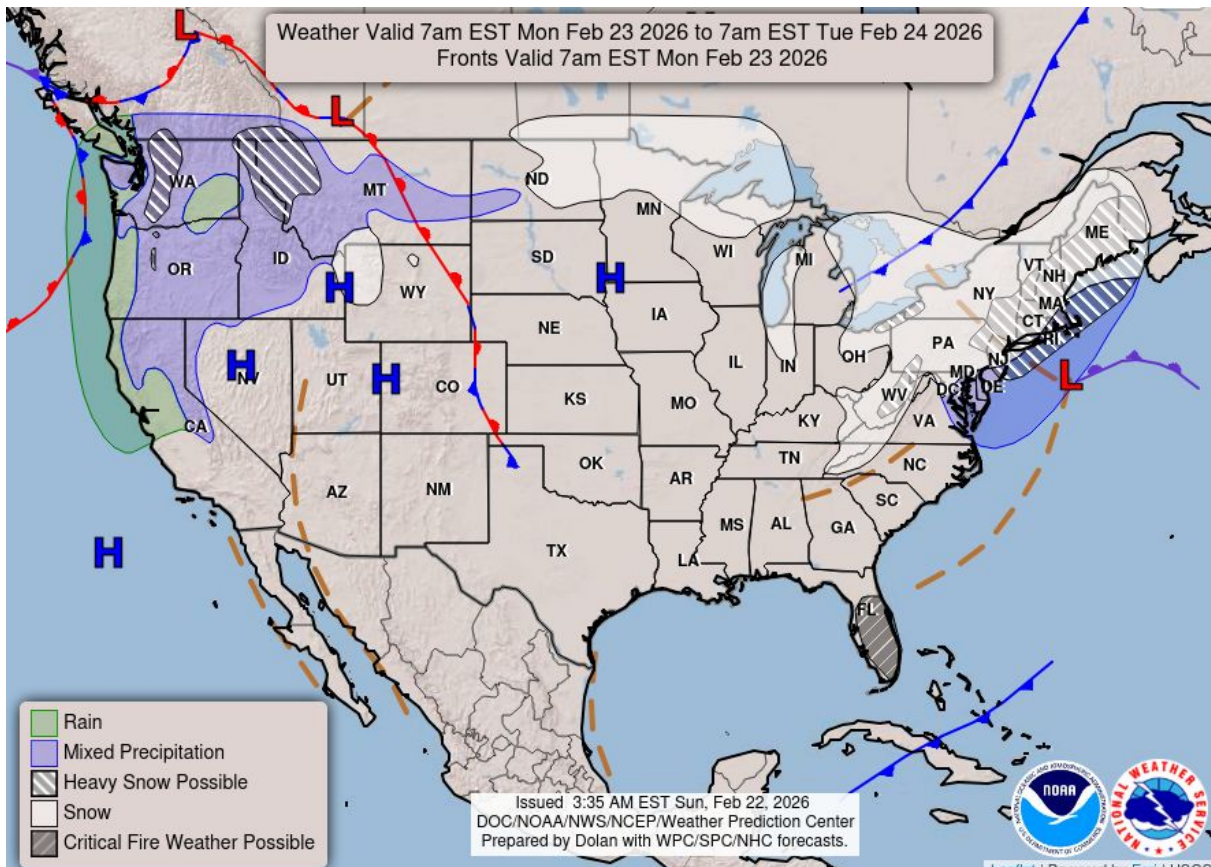


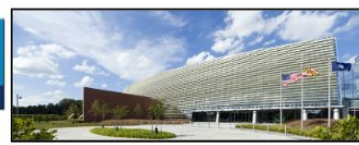
## Example 2

Proposed  
New



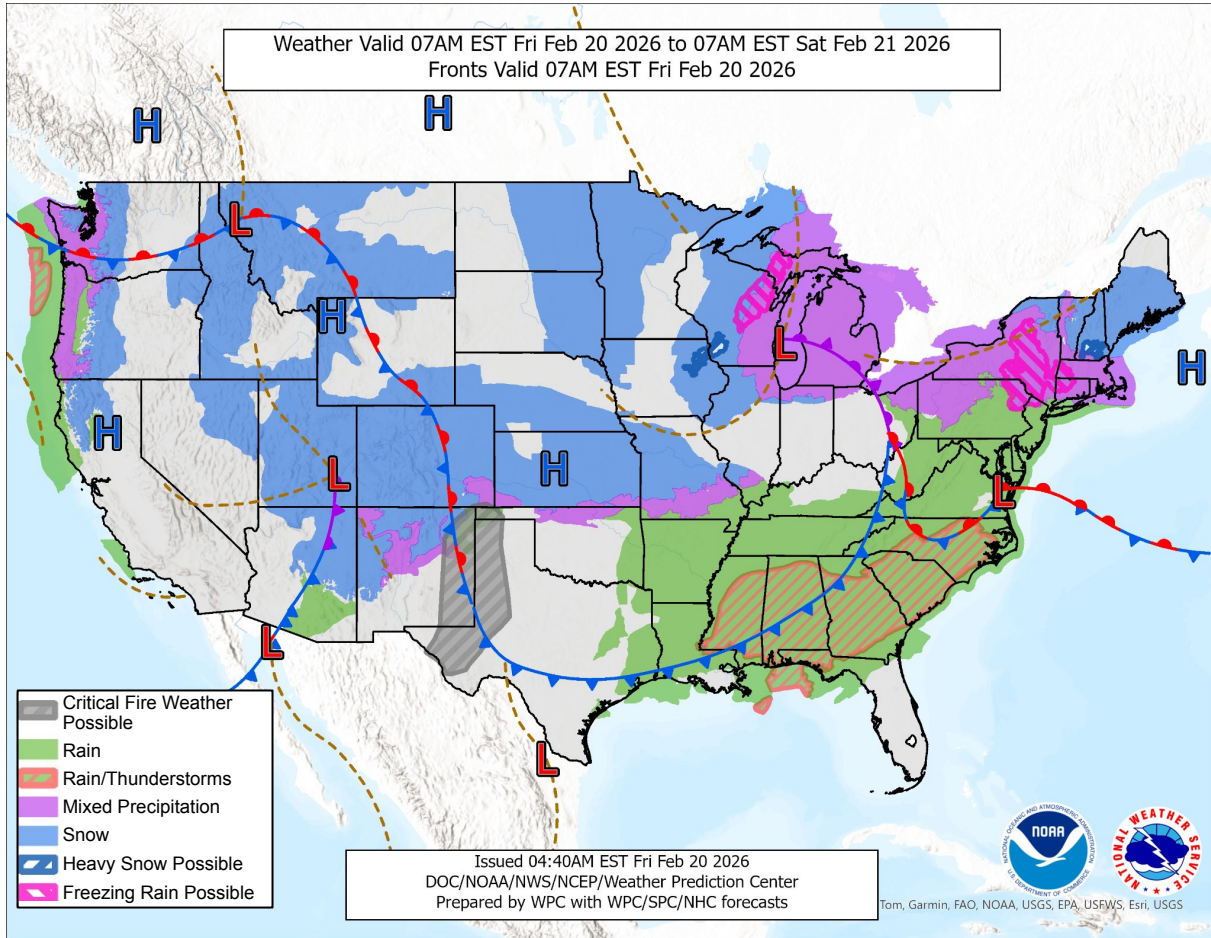
Current





## Example 3

Proposed  
New



Current

