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Service Change Notice 21-77
National Weather Service Headquarters Silver Spring MD
300 PM EDT Mon Aug 23 2021

To: Subscribers:
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From: David Novak
 Director, Weather Prediction Center

Subject: Implementation of the National Weather Service (NWS) Enhanced
 Extreme Precipitation Monitor (EPM) on or about September 22,
 2021

Beginning on or about September 22, 2021, the NWS will be issuing the
Enhanced Extreme Precipitation Monitor (EPM).

The NWS National Centers for Environmental Prediction (NCEP) Weather
Prediction Center (WPC) has been issuing this product operationally since
2018 to highlight the rarity of the WPC deterministic precipitation
forecast (6-hour and 24-hour rainfall amounts):

https://www.wpc.ncep.noaa.gov/qpf/epm/extreme_precip_monitor.php

Three new display features have been added to the enhanced version:

- 1) Rarity of the WPC deterministic precipitation forecast for 72-hour
rainfall amounts
- 2) Rarity of the WPC probabilistic 90th percentile precipitation
forecast (6-hour, 24-hour, 72-hour rainfall amounts)
- 3) WPC deterministic 1-inch rainfall contour to direct focus to areas
of higher precipitation amounts

The climatological significance is represented by Annual Recurrence
Intervals (ARIs) and Annual Exceedance Probabilities of precipitation
estimates from the NOAA Atlas-14 and Atlas-2.

Additional information regarding the EPM may be found in the Product
Description Document (PDD) at the link:

https://nws.weather.gov/products/PDD/Extreme_Precipitation_Monitor_PDD_Open1.pdf

Comments may be submitted via the survey link below:

<https://www.surveymonkey.com/r/EnhancedExtremePrecipitationMonitor>

For additional comments or questions, please contact:

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