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Public Information Statement 21-43
National Weather Service Headquarters Silver Spring MD
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From: Dave Novak
 Director, Weather Prediction Center

Subject: Soliciting Comments on the Experimental Enhanced Version of the
National Weather Service Extreme Precipitation Monitor (EPM) through July
30, 2021

The National Weather Service (NWS) is soliciting comments on the
Experimental Enhanced Extreme Precipitation Monitor (EPM) through July 30,
2021.

The NWS National Centers for Environmental Prediction (NCEP) Weather
Prediction Center (WPC) has been issuing this product operationally since
2018:

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

The current version highlights the rarity of the WPC deterministic
precipitation forecast (6-hour and 24-hour rainfall amounts).

Three new features are being proposed to be added in the enhanced version:

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

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

To see these proposed changes in the EPM, please use this link:

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

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

https://nws.weather.gov/products/PDD/PDD_ProposedEnhancement_ExtremePrecipitationMonitor_2021.pdf

Comments may be submitted via the survey link below:

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

For additional comments or questions, please contact:

NOAA/NCEP/WPC

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