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Public Information Statement 26-34
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From: Kathyrn Gilbert, Deputy Director
 Weather Prediction Center

Subject: Soliciting comments on the Probabilistic HeatRisk Prototype through September 30, 2026

The National Weather Service (NWS) is soliciting comments on the Probabilistic HeatRisk Prototype through September 30, 2026.

The Probabilistic HeatRisk Prototype provides a broader understanding of the range of potential outcomes when it comes to heat-related impacts. Probabilistic HeatRisk is based on the NWS HeatRisk framework, which provides a forecast risk of heat-related impacts using a five-tier scale. HeatRisk combines a consistent, science-based approach that leverages generalized heat-health science with local climatology and heat-health statistics to produce a daily value of expected heat risk for each 24-hour period.

The output of Probabilistic HeatRisk is calculated by pairing maximum temperature (MaxT) and minimum temperature (MinT) observational data from the real-time restricted mesoanalysis (RTMA) and unrestricted mesoanalysis (URMA) with MaxT/MinT forecasts obtained from the National Blend of Models (NBM) from which categorical statistics are computed for each day in the upcoming ten day forecast.

The Probabilistic HeatRisk prototype can be accessed by an interactive viewer hosted by the Weather Prediction Center (WPC) at the following URL:

<https://www.wpc.ncep.noaa.gov/heatrisk/probs/>

A description of the Probabilistic HeatRisk product and product examples can be found at the following link:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/d0180dc39714cb508881bb7de053af58

Input and feedback can be provided via this link:

https://www.surveymonkey.com/r/NWSProbabilisticHeatRiskPrototype_2026

Additional Comments may be sent to:

Public Weather Services Program
Weather Prediction Center
College Park, MD
public.program@noaa.gov

National Public Information Statements are online at:

<https://www.weather.gov/notification/>

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