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Public Information Statement 24-31
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1000 AM EDT Mon Apr 22 2024

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From: Stephen W. Bieda III, Ph.D, Chief
 Severe, Fire, Public, and Winter Weather Services Branch

Subject: Soliciting Comments on Experimental HeatRisk Grids in the National Digital Forecast Database (NDFD) and WPC HeatRisk CONUS Viewer through September 30, 2024

Effective on or about April 22, 2024 and continuing through September 30, 2024, the NWS is seeking user feedback on experimental HeatRisk grids in the National Digital Forecast Database (NDFD) and the WPC HeatRisk contiguous U.S. (CONUS) Viewer.

The experimental NWS HeatRisk is 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 within any upcoming 7-day forecast period. This expected heat risk is not only based on afternoon heat, but also on the effects of overnight temperature in terms of how it either mitigates or augments the effects of daytime heat.

Real-time access to the experimental HeatRisk product can be obtained through the NDFD webpage, available for the CONUS in May 2024:

<https://digital.weather.gov/>

An interactive viewer of the experimental HeatRisk is also available from the following URL:

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

The experimental HeatRisk risk-based categorization framework is a straightforward numeric (0-4) color-based (green/yellow/orange/red/magenta) system. This type of messaging framework provides the public and NWS partners with an uncomplicated manner of risk-based heat-related categorizations to aid in decision-making.

Please see the NWS Product Description Document (PDD) for more details:

https://nsdesk.servicenowservices.com/api/g_noa/nwspc/res2/6a458c0c1be90614135feb9ce54bcb5c

Users are encouraged to provide feedback on this experimental service by using the brief survey and comment form available online at:

https://www.surveymonkey.com/r/ExpNWSHeatRisk_2024

Questions related to the experimental HeatRisk can be directed to:

Kimberly McMahon
NOAA/NWS/Analyze, Forecast, and Support Office
Silver Spring, MD
Email: public.program@noaa.gov

National Public Information Statements are online at:

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

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