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From: Stephen Bieda, Chief
 Severe, Fire, Public and Winter Services Branch

Subject: Soliciting Comments through April 30, 2023, on Provision of Adding Prototype Air Quality (AQ) National Digital Guidance Database (NDGD) Graphics via Amazon Web Services (AWS)

The NWS is expanding access to Air Quality (AQ) National Digital Guidance Database (NDGD) data at <https://airquality.weather.gov/> via a graphical display on AWS <https://digital.mdl.nws.noaa.gov/airquality>. The new prototype display system visualizes all operational AQ NDGD data in GRIdded Binary data Edition two (GRIB2), including data only available on the new prototype display.

The full list of products available on the new prototype display system are as follows:

- Bias-corrected ozone forecast guidance from 0 to 72 hours for the Nation (raw ozone forecast guidance from 0 to 72 hours and bias-corrected ozone from hours 49 through 72 not available on the operational AQ display(<https://airquality.weather.gov/>)).
- Fine particulate matter (PM2.5) and bias-corrected PM2.5 forecast guidance from 0 to 72 hours for the Nation (not available on the operational AQ display (<https://airquality.weather.gov/>)).
- Smoke forecast guidance from 0 to 48 hours for the Nation hourly surface smoke and vertical smoke integration for the contiguous U.S. (CONUS), Alaska and Hawaii (not available on the operational AQ display (<https://airquality.weather.gov/>))
- Dust forecast guidance from 0 to 48 hours for the CONUS.

If user feedback is positive, this new graphical display may be considered to replace the current operational display:

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

For more information on this service, see the Service Description Document (SDD):

https://nws.weather.gov/products/PDD/sdd_air_quality_display_aws_2022.pdf

Please submit comments and feedback on the prototype AQ NDGD data display on AWS as a replacement for the current display, via the following survey:

https://www.surveymonkey.com/r/air_quality_display_AWS_prototype_2022-23

AQ NDGD grid files are available for download in GRIB format from the following link:

<https://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/DF.gr2/DC.ndgd/GT.aq/>

For technical questions regarding NDGD data, please contact:

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For questions regarding the AQ Modeling Program, please contact:

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

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