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Public Information Statement 20-15
National Weather Service Headquarters Silver Spring MD
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From: Vijay Tallapragada
 Chief, Modeling and Data Assimilation Branch
 NCEP/Environmental Modeling Center

Subject: Soliciting Public Comments on the Proposed Upgrade of Hurricane
Weather and Research Operational Model through April 14, 2020

The Environmental Modeling Center (EMC) is proposing to upgrade the
Hurricane Weather and Research (HWRF) model in the summer of 2020. The
NWS is seeking comments on this proposed change through April 14, 2020 for
HWRF.

The full list of potential changes for HWRF is described in the link
below:

[https://www.emc.ncep.noaa.gov/gc_wmb/vxt/zack/FY20_HWRF_HMON/FY20_HWRF_one
slide_upgrade.pptx](https://www.emc.ncep.noaa.gov/gc_wmb/vxt/zack/FY20_HWRF_HMON/FY20_HWRF_one_slide_upgrade.pptx)

Expected benefits from this upgrade include improved track and intensity
forecast skill for tropical cyclones in all world ocean basins for HWRF.
There are also expected reductions in intensity bias and storm size
errors. Please check here for verification statistics for the North
Atlantic Basin:

[https://www.emc.ncep.noaa.gov/gc_wmb/vxt/bliu/stats2020/ALAL1719_H220_AL17
19_pset1/stats.php](https://www.emc.ncep.noaa.gov/gc_wmb/vxt/bliu/stats2020/ALAL1719_H220_AL1719_pset1/stats.php)

and the North East Pacific Basin in early April 2020:

[https://www.emc.ncep.noaa.gov/gc_wmb/vxt/bliu/stats2020/EPAL1719_H220_EP17
19_pset1/stats.php](https://www.emc.ncep.noaa.gov/gc_wmb/vxt/bliu/stats2020/EPAL1719_H220_EP1719_pset1/stats.php)

The NWS will evaluate all comments to determine whether to proceed with
this upgrade.

Please send comments on this proposal by April 14, 2020 to:

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or

Vijay Tallapragada

EMC

vijay.tallapragada@noaa.gov

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