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PNSWSH

Service Change Notice 23-01
National Weather Service Headquarters Silver Spring MD
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From: Kari Sheets, Chief
 Weather Information and Distribution Services Branch

Subject: Shut Down Integrated Dissemination Program (IDP) GIS Web Services (IDP-GIS) Hosted and Running on IDP Infrastructure in College Park, MD and Boulder, CO: Effective June 29, 2023

Effective on or after 1600 Coordinated Universal Time (UTC) June 30, 2023, the Integrated Dissemination Program (IDP) Geographic Information Systems (IDP-GIS) will be shut down and users will be redirected to GIS Web Services hosted in Amazon Web Services Cloud (AWS).

A public information statement was issued in January 2022 providing an opportunity to provide comments on the NWS provision of GIS cloud-based services (<https://www.weather.gov/gis/cloudgiswebservices>) in preparation for the transition of our GIS services from the on-premise infrastructure to the cloud infrastructure:

https://www.weather.gov/media/notification/pdf2/pns22-04_cloud_gis_web_services.pdf

The technical functionality is the same between two systems but the organizational presentation "look and feel" are different. GIS web service users may have been encouraged to use cloud-hosted services since June 21, 2022 and do so by adding new or updating calls to their applications. The specific changes users will need to make depend on the type of protocol or endpoints utilized.

The directory mapping of on-premise services to the AWS cloud web services can be found here: [https://www.weather.gov/media/notification/ref/On-premise Mapping To AWS Cloud GIS Services Links.pdf](https://www.weather.gov/media/notification/ref/On-premise_Mapping_To_AWS_Cloud_GIS_Services_Links.pdf)

The services currently hosted on-premise (IDP) have been operational since March 2016. As technology has evolved, the NWS has recognized that some information systems are well suited for hosting in the public cloud. The on-premise GIS services were identified as an excellent candidate to be hosted in the public cloud. The results in over 200 new data layers available to the GIS customers that are not available on the on-premise project. Therefore, the two systems have diverged and it no longer makes sense to maintain both. The cloud services have not experienced any outages over two hours in this time proving that they are reliable for

around the clock operational use in addition to being supported around the clock as of January 2023.

For questions concerning the operational support of IDP-GIS until June 30, please contact:

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National Service Change Notices are online at:

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

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