

NESDIS Supplemental Funding Facts

Three supplemental funding bills provide NOAA with over \$6.3 billion to support key programs and projects.

Disaster Relief Supplemental Act (DRSA)

2022, P.L. 117-43

Signed into law on September 30, 2021

Provides nearly **\$55 million** to NOAA for research following years of devastating, costly weather and climate disasters.



Research Focus



Hurricanes



Extreme Precipitation



Floods

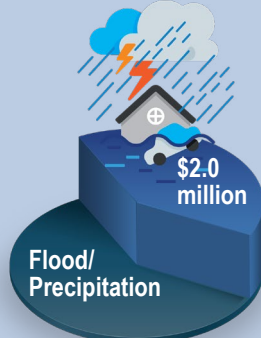


Wildfires

20 Climate Disasters in 2021 with total costs over \$155.3 billion (CPI adjusted).

18 Climate Disasters in 2022 with total costs over \$165.1 billion (CPI adjusted).

NESDIS received **\$5.3 million** in FY22 for two major focus areas.



NESDIS activities funded by DRSA will conclude in 2025.

NESDIS project goals:



Boost

speed and accuracy of wildfire detection using enhanced satellite data and modeling.



Upgrade

forecasts of extreme precipitation by using artificial intelligence (AI).



Support

products for disaster managers with street-level flood mapping.

Results of some projects will complement and enhance activities to build a **Climate Ready Nation** being funded by the Bipartisan Infrastructure Law (BIL).

2 Bipartisan Infrastructure Law (BIL) / Infrastructure Investment and Jobs Act (IIJA)

P.L. 117-58
Signed into law on November 15, 2021

Provides nearly **\$3.0 billion** to NOAA over five years.



Under BIL, NESDIS has received \$17.1 million to date in two major focus areas:

Wildfire Projects

The U.S. experienced extraordinary wildfire seasons in recent years. NESDIS project goals:



\$9.0 million in FY22 for projects concluding in 2026.

There is an urgent need to understand and better predict the extent and intensity of future fires.

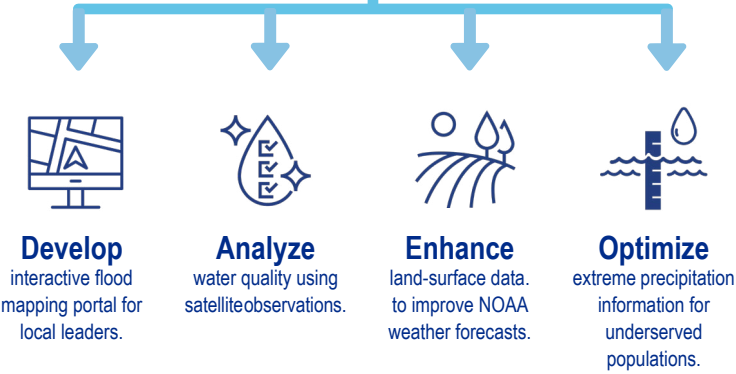
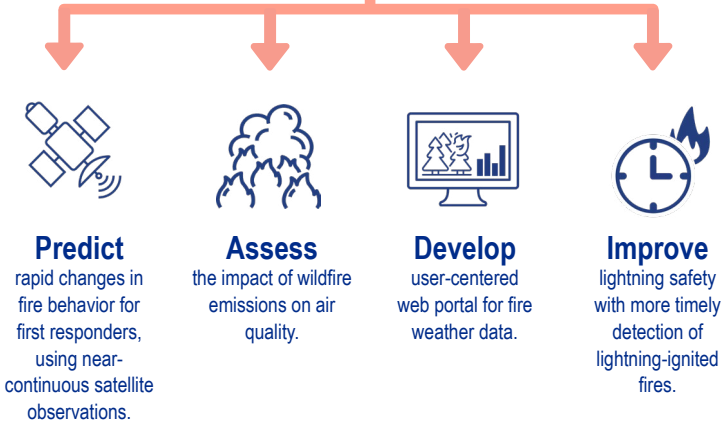
Flooding, Precipitation, and Water Quality

The U.S. faces many water-related challenges that affect infrastructure. NESDIS project goals:



\$8.1 million in FY22-FY23 for projects concluding in 2027.

These challenges affect economic and national security, and the impacts are exacerbated by a changing climate.



NESDIS is contributing to NOAA's efforts to:



NESDIS Bipartisan Infrastructure Law

Projects	FY22	FY23
Floods, Precipitation, Water Models	\$3.5M	\$4.6M
Wildfire	\$9.0M	-
TOTAL	\$12.5M	\$4.6M

Amounts for FY24-FY26 are TBD pending Congressional approval of annual spend plans.

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Inflation Reduction Act (IRA)

P.L. 117-169

Signed into law on August 16, 2022

Provides nearly **\$3.3 billion** to NOAA over five years.



Help

Americans prepare for and build resilience to extreme weather and climate changes.



Improve

supercomputing capacity and research on weather, oceans, and climate.



Upgrade

NOAA facilities and aircraft.



NESDIS will receive \$80.5 million in two major focus areas

Industry Proving Grounds

Industry sectors need customized climate information to protect lives and livelihoods.

\$74.1 million in FY23-FY26

NESDIS project goals:



Engage
with industry representatives to capture data needs.



Improve
industry access to authoritative climate information.



Develop
climate risk models for key industry sectors.



Innovate
new strategies for industry collaboration.

Data Initiatives

Enriched data can assist state and local leaders with practical solutions to climate problems.

\$6.4 million in FY23-26

NESDIS project goals:



Expand
regional team expertise to provide place-based climate information.



Enhance
satellite-based flood products for Alaska.



Address
gaps in climate data for underserved communities.



Optimize
NOAA data assimilation with artificial intelligence.

NESDIS is contributing to NOAA's efforts to:



Accelerate
advances in climate research.



Improve
modeling of changes in weather and climate.



Share
critical information with the public.

NESDIS Inflation Reduction Act

Projects	FY23	Total
Industry Proving Grounds	\$15.0M	\$74.1M
Data Initiatives	\$1.2M	\$6.4M
TOTAL	\$16.2M	\$80.5M

Amounts for FY24-FY26 are TBD pending Office of Management and Budget approval.



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Citations: <https://www.ncei.noaa.gov/access/billions>

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