

# 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

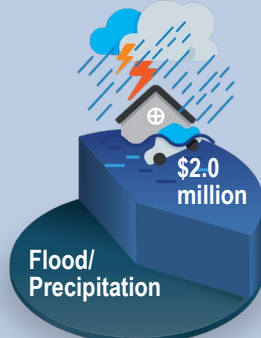


Wildfires

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.

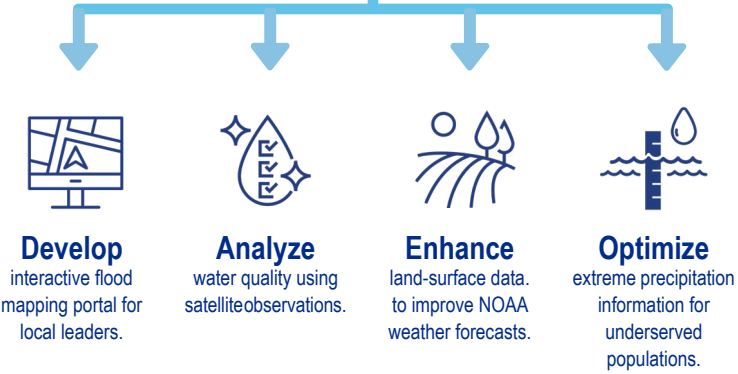
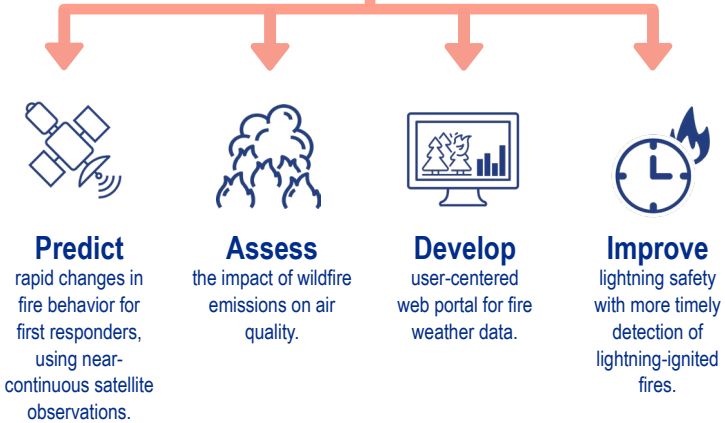
## Flooding, Precipitation, and Water Quality

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	-
<b>TOTAL</b>	<b>\$12.5M</b>	<b>\$4.6M</b>

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

# 3

## 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.



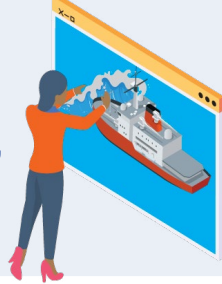
### Help

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
<b>TOTAL</b>	<b>\$16.2M</b>	<b>\$80.5M</b>

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



INVESTING IN AMERICA



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

June 2023