



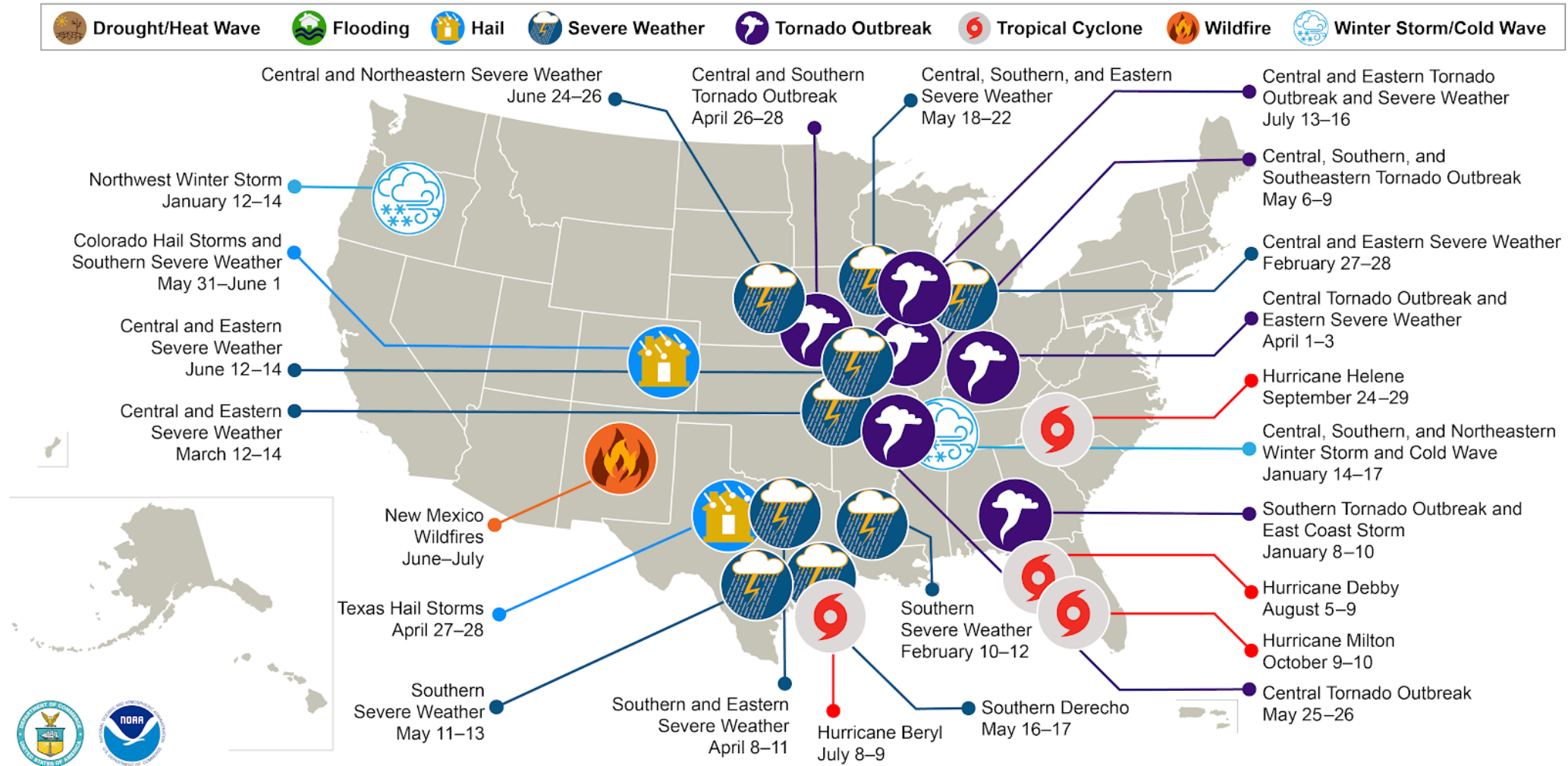
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# 2024 National Intergovernmental Audit Forum

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## How Climate Change Will Transform Our Work

# U.S. 2024 Billion-Dollar Weather and Climate Disasters



This map denotes the approximate location for each of the **24 separate billion-dollar weather and climate disasters that impacted the United States through October 2024.**

**Source:** NOAA National Centers for Environmental Information (NCEI) U.S. Billion-Dollar Weather and Climate Disasters (2024). <https://www.ncei.noaa.gov/access/billions/>, DOI: [10.25921/stkw-7w73](https://doi.org/10.25921/stkw-7w73)

## GAO's Mission and Role

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Source: GAO file photo. | [www.gao.gov](http://www.gao.gov)



Source: GAO file photo. | [www.gao.gov](http://www.gao.gov)

## Climate Change: A Continuing High-Risk Area

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**LIMITING THE FEDERAL  
GOVERNMENT'S FISCAL  
EXPOSURE BY BETTER  
MANAGING CLIMATE  
CHANGE RISKS**



Source: Leonard Zhukovsky/stock.adobe.com. | GAO-23-106203



# Oversight of Federal Greenhouse Gas Emissions Reductions Efforts



## Climate Change: Oversight of Federal Greenhouse Gas Emissions Reduction Efforts

GAO-22-106062 · September 2022

Each year, the federal government reports spending billions of dollars for federal climate change efforts. Many of these activities focus on reducing greenhouse gas emissions, such as carbon dioxide. The budget reconciliation act, commonly known as the Inflation Reduction Act of 2022, provided additional billions of dollars in funding and tax credits for greenhouse gas emissions reduction efforts, among other provisions, but full implementation of these efforts will take time.

# Federal Climate Resilience Efforts

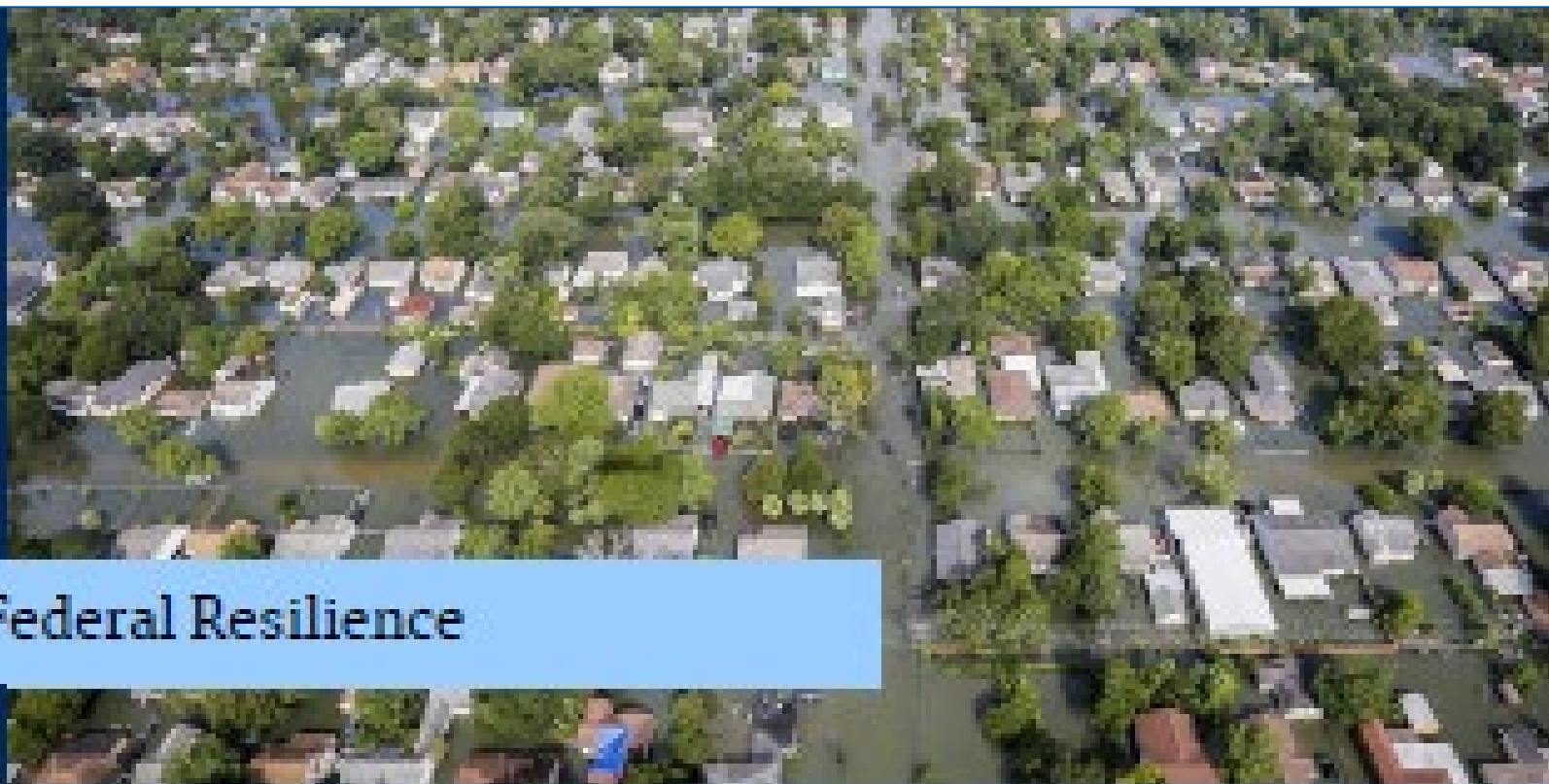
**GAO**  
U.S. GOVERNMENT  
ACCOUNTABILITY OFFICE



## Climate Change: Enhancing Federal Resilience

GAO-22-106061 - September 2022

To reduce federal fiscal exposure to climate change, the federal government needs a cohesive, strategic approach, with strong leadership and the authority to manage risks.



## Disaster Resilience Framework

Principles for Analyzing Federal Efforts to Facilitate and Promote Resilience to Natural Disasters



INFORMATION

INTEGRATION

INCENTIVES

GAO-20-100SP

### INFORMATION

Accessing information that is authoritative and understandable can help decision makers to identify current and future risk and the impact of risk-reduction strategies.

- Providing Reliable and Authoritative Information about Current and Future Risk
- Improving the Ability to Assess Alternatives to Address Risk
- Strengthening the Ability to Assess Status and Report Progress

### INTEGRATION

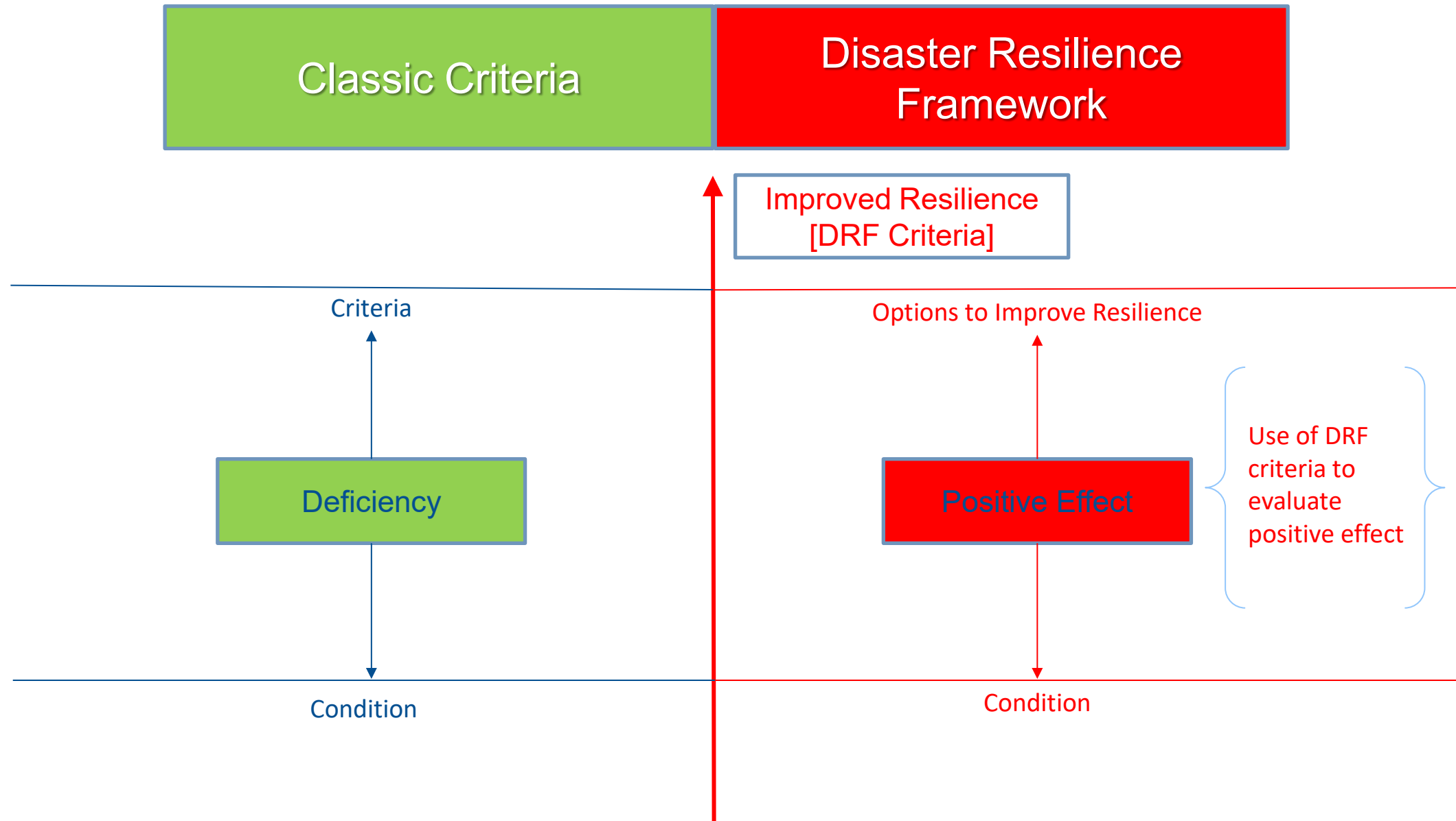
Integrated analysis and planning can help decision makers take coherent and coordinated resilience actions.

- Building an Overarching Strategic Vision and Goals
- Promoting Coordination Across Missions and Sectors
- Recognizing Relationships Among Infrastructure and Ecosystems

### INCENTIVES

Incentives can help to make long-term, forward-looking risk-reduction investments more viable and attractive among competing priorities.

- Providing Financial and Nonfinancial Incentives
- Reducing Disincentives







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## Applying GAO's *Disaster Resilience Framework*

By mainstreaming climate resilience:

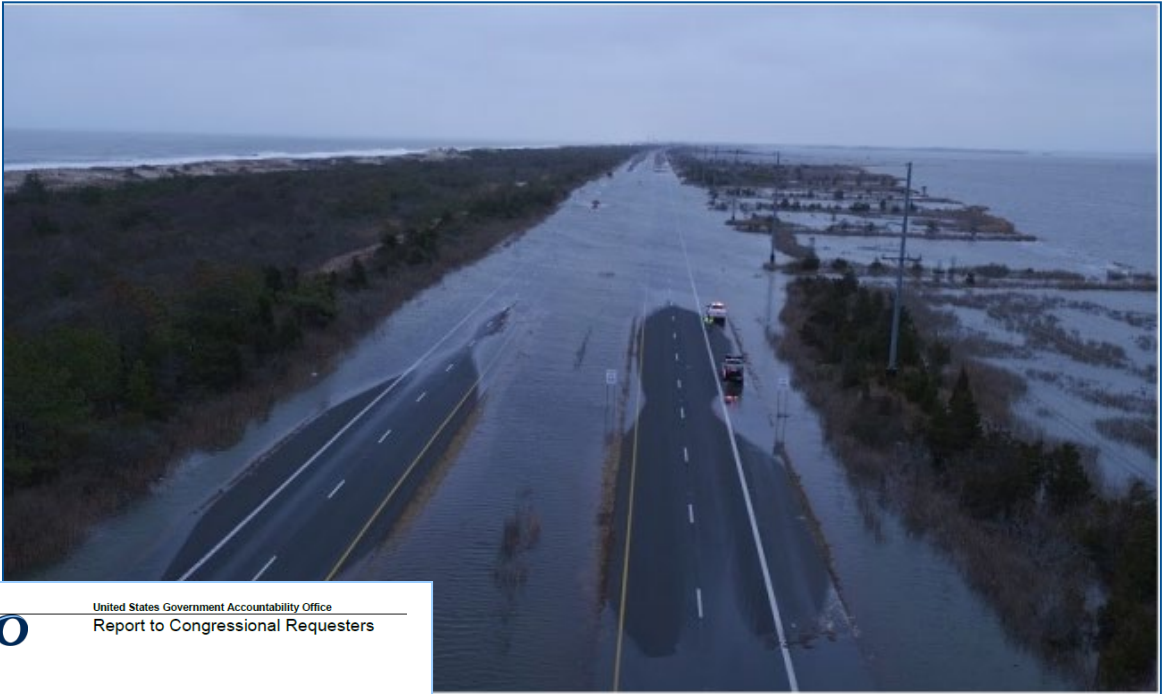
- Energy infrastructure
- Water systems
- Federally funded roads
- Defense facilities

By thinking strategically about climate resilience gaps:


- National climate information
  - Identify and fund high-priority projects
  - Climate migration
-



Source: U.S. Army Corps of Engineers New Orleans District. | GAO-24-105496



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United States Government Accountability Office  
Report to Congressional Requesters

January 2024

CLIMATE CHANGE

Options to Enhance the Resilience of Federally Funded Flood Risk Management Infrastructure

GAO-24-105496



United States Government Accountability Office  
Report to Congressional Requesters

September 2021

CLIMATE RESILIENCE

Options to Enhance the Resilience of Federally Funded Roads and Reduce Fiscal Exposure

GAO@100

A Century of Non-Partisan Fact-Based Work






GAO-21-436

August 2024

CLIMATE  
RESILIENCE

Congressional Action  
Needed to Enhance  
Climate Economics  
Information and to  
Limit Federal Fiscal  
Exposure

GAO-24-106937

 National climate resilience strategic plan	Federal climate change efforts should be coordinated in a strategic plan toward common goals, such as climate resilience.
 National climate information system	The federal government should identify and update the best available climate information.
 Expanding the use of economics information	Sponsoring or conducting research on the potential economic effects of climate change could help identify significant risks.
 A consistent approach for prioritizing climate resilience investments	The federal government should periodically identify and prioritize climate resilience projects for federal investment.
 Community-driven climate migration pilot program	Assisting communities that express affirmative interest in relocation should be used as a climate resilience strategy.

Source: GAO; GAO (icons). | GAO-24-106937

## Questions!







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