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# **CONGRESSIONAL BRIEFING**

Climate Adaptation Programs across Agencies Briefing Series | Agencies in Action: Federal Programs That Deliver Climate Mitigation and Adaptation Benefits Every Day

Friday, March 18, 2022

#### About EESI...



**NON-PROFIT** 

Founded in 1984 by a bipartisan Congressional caucus as an independent (i.e., not federally-funded) non-profit organization

- NON-PARTISAN

  Source of non-partisan information on environmental, energy, and climate policies
- DIRECT ASSISTANCE
  In addition to a full portfolio of federal policy work, EESI provides direct assistance to utilities to develop "on-bill financing" programs
- SUSTAINABLE SOCIETIES

Focused on win-win solutions to make our energy, buildings, and transportation sectors sustainable, resilient, and more equitable

#### Policymaker Education



Briefings and Webcasts

Live, in-person and online public briefings, archived webcasts, and written summaries

Climate Change Solutions

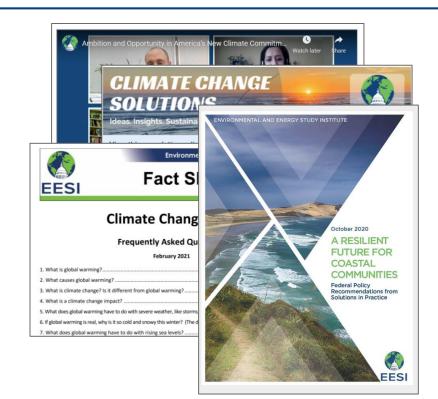
Bi-weekly newsletter with everything policymakers and concerned citizens need to know, including a legislation and hearings tracker

Fact Sheets and Issue Briefs

Timely, objective coverage of environmental, clean energy, and climate change topics

Social Media (@EESIOnline)

Active engagement on Twitter, Facebook, LinkedIn, and YouTube



# "A Resilient Future for Coastal Communities" Report





- **Six Guiding Principles**
- Recommendations
  (with Examples) Across
  Six Themes
- **§** Eight Policy Levers
- Organized by Category and Policy Lever
- Definitions, References, and Program Catalog

## "A Resilient Future for Coastal Communities" Policy Principles



- Federal policies and programs must be designed and implemented based on the climate
   of the future rather than the climate of the present or past.
- Climate justice and equity must be fully embedded into new policies and programs and incorporated into ongoing efforts.
- The federal government should take a leadership role in **connecting science with practice**, and support and expand collaborations with state, local, and tribal efforts.
- The federal government should take a leadership role to ensure that intra- and interagency coordination helps states, local governments, and tribes to access available coastal resilience resources.
- Federal investments in coastal communities must be leveraged to create local jobs and help develop a workforce trained in adaptation and resilience.
- Climate adaptation and resilience work should complement and, when possible, contribute to a decarbonized, clean energy economy.



# RAPID CHANGES TO EARTH'S CLIMATE

CO<sub>2</sub> concentration



Highest in at least

2 million years

Sea level rise



**Fastest rates** 

in at least

**3000** years

Arctic sea ice area



Lowest level

in at least

1000 years

Glaciers retreat



Unprecedented

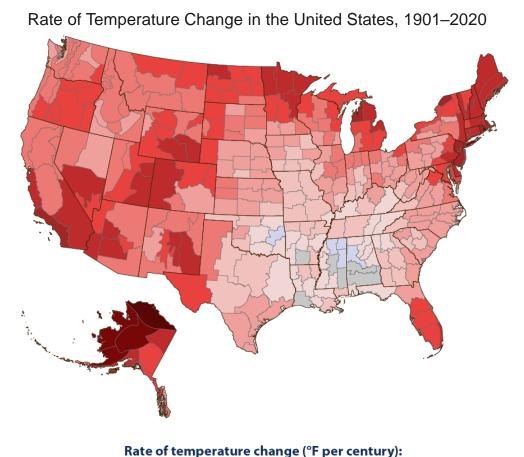
in at least

2000 years



# A CHANGING CLIMATE AFFECTS US ALL

- Temperatures are rising across the United States.
- Heat waves have become more frequent, and cold waves have become less frequent.
- Annual average temperatures will continue to rise.







Gray interval: -0.1 to 0.1°F

# THE CHOICES WE MAKE NOW MATTER

- Mitigation: reducing emissions of greenhouse gases (or removing carbon dioxide from the atmosphere)
- Adaptation: reducing risks from today's changed climate and preparing for future impacts
- Future impacts and risks from climate change are directly tied to decisions made in the present



# FEDERAL ADAPTATION LANDSCAPE

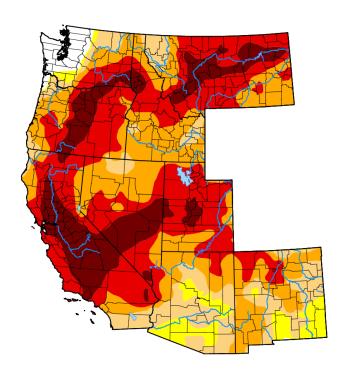
- Integrating resilience into Federal agency efforts
- Providing funding/incentives
- Addressing current and emerging climate-related hazards
- Advancing usable science to inform adaptation decisions



# TACKLING THE CLIMATE CRISIS

- Executive Order 14008
  - Ambitious actions to reduce emissions and enhance resilience
  - https://www.whitehouse.gov/climate/







# ENHANCING ADAPTATION AND RESILIENCE

 Increasing the resilience of Federal agency facilities, procurement, and acquisitions through climate action plans (under EO 14008); agency plans released in October 2021

https://www.sustainability.gov/adaptation/

 Major investments in resilience through the Infrastructure Investment and Jobs Act

 Integrating resilience as a focus for the WH environmental justice; advancing Justice40



# ADDRESSING CURRENT AND EMERGING HAZARDS

# National Climate Task Force Working Groups:

- Wildfire Resilience
- Coastal Resilience
- Extreme Heat Resilience
- Drought Resilience
- Flood Resilience

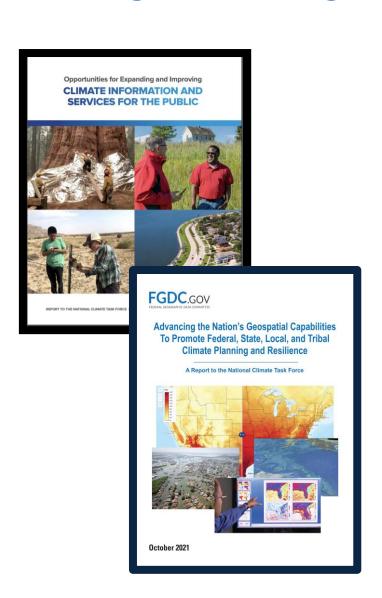




# ADVANCING ACTIONABLE CLIMATE INFORMATION

OSTP, NOAA, and FEMA report on climate information and services

 Federal Geographic Data Committee report on geospatial data and mapping tools





# ADVANCING ACTIONABLE CLIMATE INFORMATION

- Founded by law in 1990, USGCRP is a consortium of 13 Federal agencies mandated to advance understanding, assessment, prediction, and response to global change
  - Coordinates research
  - Informs decisions
  - Oversees the National Climate Assessment
  - Supports international efforts
    - U.S. participation in international assessments (e.g. IPCC, Arctic Council)
    - International secretariats (Future Earth, START, WCRP)



# PRIORITIES FOR FIFTH NATIONAL CLIMATE ASSESSMENT (NCA5)

- Advance the Conversation
- Make it Accessible to a Broad Audience
- Be Creative in Communication
- Make it About People
- Ensure it is Useful and Usable

Importantly, ensure that the NCA is inclusive and representative in participation and engagement.



# NCA5 UPDATE

- Public comment on the Draft Prospectus
- Call for author nominations and technical inputs
- Chapter leadership selection
- Author team selection
- Development of Zero Order Drafts
- Public engagement just completed 34 workshops; thousands of people participated
- Ongoing call for technical inputs: <a href="https://www.globalchange.gov/nca5">https://www.globalchange.gov/nca5</a>



For updates, sign up for the <u>USGCRP</u> newsletter and follow us on Twitter @usgcrp

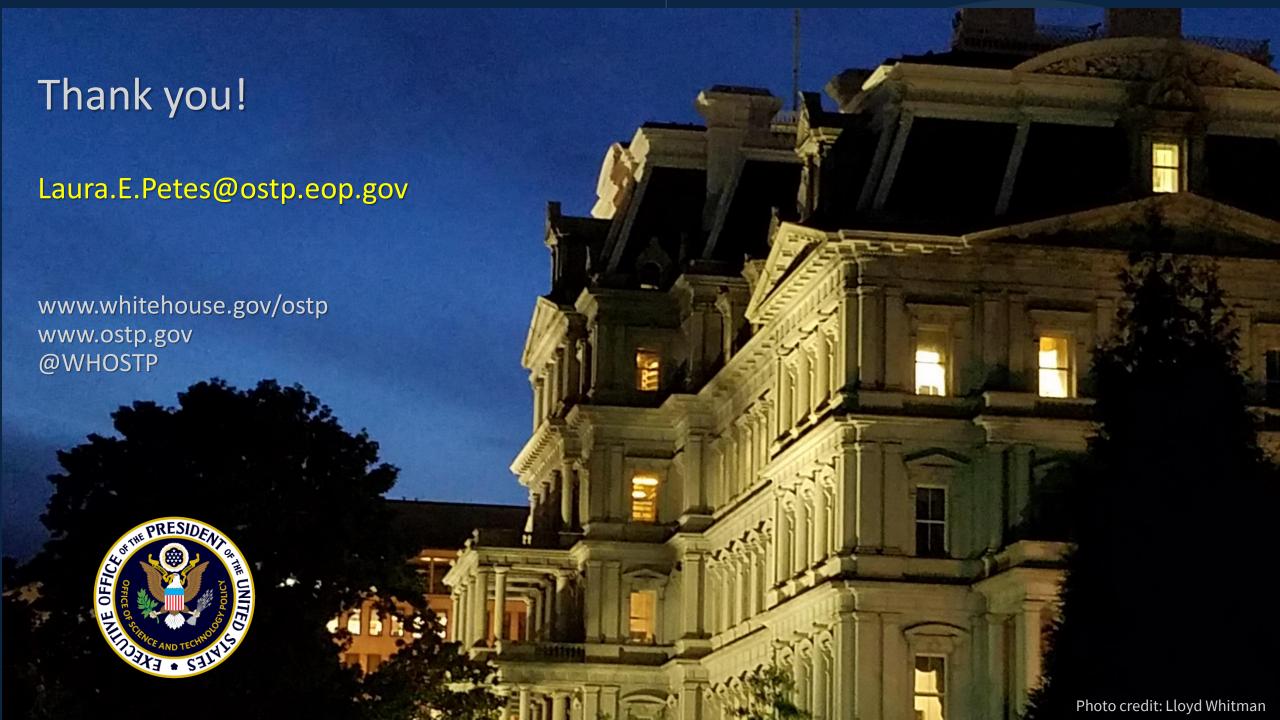


# LOOKING TO A RESILIENT FUTURE

- Ensuring that Federal Government programs and investments are resilient to climate change
- Adaptive management of natural resources
- Enhancing the climate resilience of infrastructure
- Ensuring that Americans have access to usable climate science information
- Taking action to reduce emissions, to limit what we need to adapt to







# EESI Briefing: Climate Adaptation Programs Across Agencies

Cathleen B. Berthelot Senior Policy Manager Restore the Mississippi River Delta



#### **ABOUT US**

Restore the Mississippi River Delta is working to secure a just, climate-resilient coast where people and nature thrive. As our region faces the crisis of land loss and climate change, we seek to advance an equitable, safer and flourishing coast for Louisiana's communities, ecosystems and economy. We are composed of conservation, policy, science and outreach experts from Environmental Defense Fund, National Audubon Society, the National Wildlife Federation, Coalition to Restore Coastal Louisiana and Pontchartrain Conservancy.

We have been working together for almost 12 years and are at an exciting time for our work as major sediment diversions advance towards construction and the state is building restoration projects at an unprecedented pace. In 2021 the MRD underwent a strategic planning process to consider what our work together will look like in the future, with a focus on equity and climate resilience.

#### National partners:

#### Local partners:













# Louisiana Coastal Land Loss: Over 2,000 square miles lost since 1932





### WHAT WE KNOW

Louisiana is in the midst of a land loss crisis that without action could claim another 2,250 sq. miles within the next 50 years



#### WHAT'S AT STAKE

#### A LIVING SANCTUARY

for some of the most productive wildlife and fishery habitats in the country

# A NATURAL LINE OF DEFENSE

for our region's communities

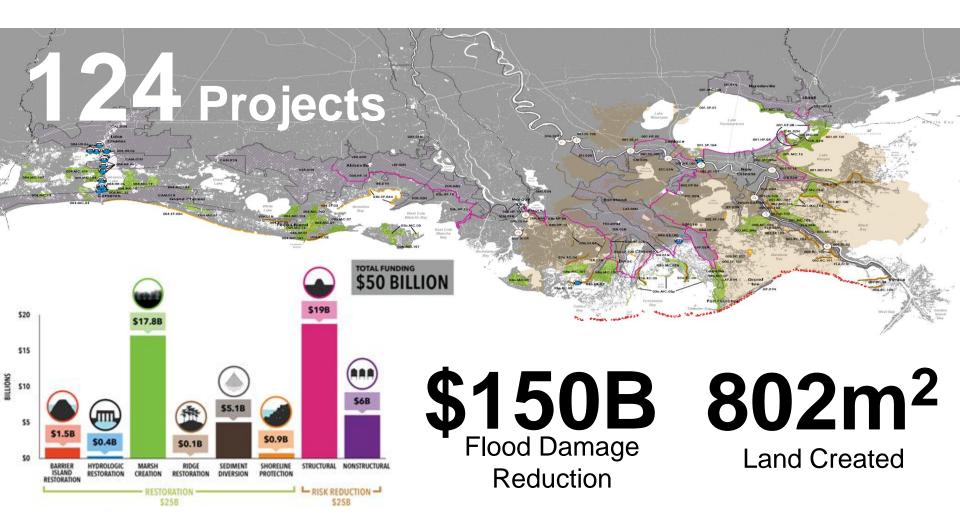
# AN ECONOMIC ENGINE

that feeds and fuels our nation, and a portal connecting us to the rest of the world

#### HOME

to more than 2 million people across coastal Louisiana

# A Comprehensive Plan for Louisiana's Coast



#### **Coastal Restoration Toolbox**

Sediment Diversion



Shoreline Protection



Ridge Restoration



Marsh Creation



Hydrologic Restoration



Bank Stabilization



Oyster Barrier Reef



Barrier Island Restoration



# Whose Funds?



#### **CPR Trust Fund**

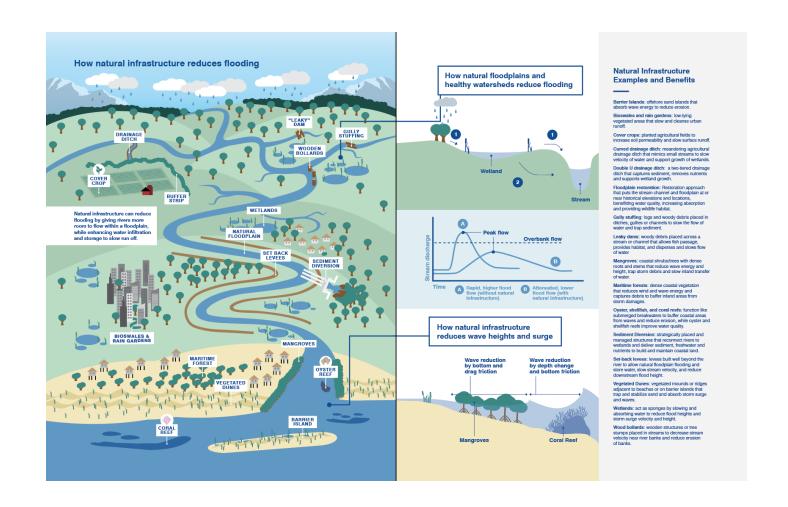
- State Mineral
- State Surplus (most)
- GOMESA
- CWPPRA Reimbursement
- Interagency Transfers







# Why natural infrastructure?





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#### "Agencies in Action: Federal Programs That Deliver Climate Mitigation and Adaptation Benefits Every Day" Briefing Series



February 08 Financing Inclusive Clean Energy Investments in Rural America

February 24 Energy Efficiency Means Business

March 18 Climate Adaptation Programs across Agencies

March 29 Building a Durable National Framework for Large Landscape Conservation



# What did you think of the briefing?

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