



**AMERICAN FLOOD COALITION**

# **Highlights from *The Local Economic Impact of Flood-Resilient Infrastructure Projects* and Tools for Entities Seeking Federal Funding for Resilience**

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## What we offer

### Tools for effective communication

Opportunities and tools for communicating about flooding with stakeholders at all levels

### Networks of leaders on flooding

Forum to connect virtually and in-person with other leaders and share learnings

### Platform for advocacy and education

Strong platform that makes local voices and needs heard at the federal level

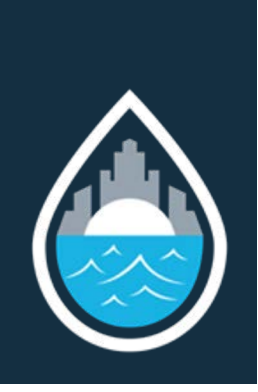
### Local resilience pilots

Competitive local pilots that promote deeper engagement on flooding and sea level rise

### Best-in-class educational guides

Scalable educational resources to meet our members' needs





# Using data from FEMA grants, our report studies the economic impact of flood resilient infrastructure projects

- Our report with Johns Hopkins investigates **how federal investment in resilience creates jobs**, stimulates local markets, and brings additional benefits
- The **first-of-its-kind-study** identifies the impacts of federal investment in flood-resilient infrastructure projects using data from FEMA's Hazard Mitigation Assistance programs (which funded flood infrastructure projects in 116 metro areas between 2003 and 2018) and several case studies to **observe job growth and other benefits**





# Our findings show that flood-resilient infrastructure creates jobs and local businesses

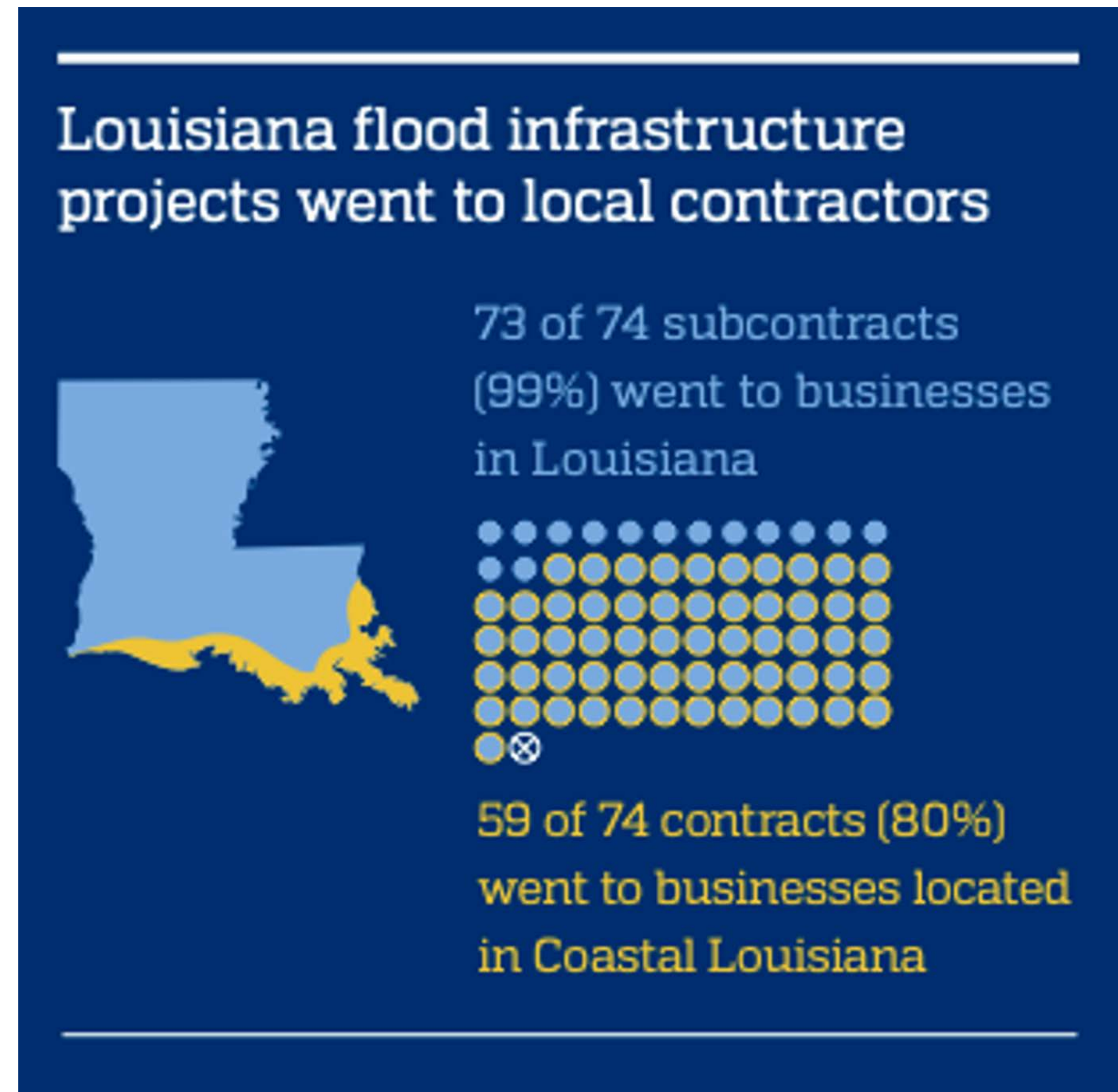
- We found that for every \$1 million invested in flood-resilient infrastructure, **40 jobs are created**– 25 jobs in the construction industry and 15 jobs in the retail trade industry
- The report also includes job growth **estimates for each Congressional district**
- A \$1 million increase in funding was also associated with an increase of **4 new construction businesses** in the year of the award





# Flood infrastructure projects benefit local economies and could create a market for innovation in resilience

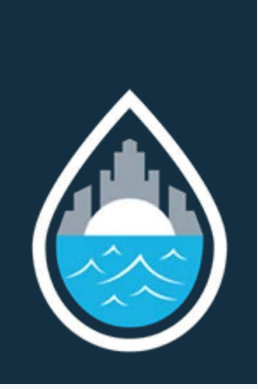
- In multiple case studies from across the country, the report found that flood infrastructure **stimulates economies close to home**, providing business for local contractors
- According to economists at JHU, a large investment could create a **home market effect for the water management sector**, meaning that expertise and specialization in flood resilience could increase demand



# Benefits extend far beyond flood reduction

- The report illustrates the additional benefits of flood-resilient infrastructure using case studies in Cedar Rapids, IA, Meriden, CT, and coastal Louisiana
- Green infrastructure can serve as a neighborhood amenity through the creation of parks, pedestrian walkways, ponds, trees, and rain gardens
- Projects can incorporate benefits like brownfield remediation and waterfront redevelopment
- Co-benefits include health improvements, such as reductions in air pollution and combined sewer overflows





# There are over 900 federal grant programs across 26 federal agencies

Federal Register / Vol. 83, No. 245 / Friday, December 21, 2018 / Notices

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**US Army Corps of Engineers.**



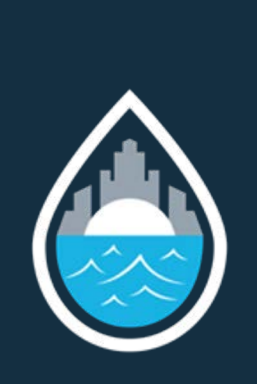
**FEMA**

**EPA**



**NIST**









# Last year, AFC launched our Flood Funding Finder tool to help navigate federal funding sources for flood resilience

Our **Interactive tool** identifies **24 federal programs** that fund resilience and that enables the user to filter programs based on key characteristics

The tool identifies programs by characteristics including:

-  Requires Presidential Disaster Declaration
-  No local cost share requirements
-  Special considerations for small municipalities
-  Supports project planning







# Flood funding finder

**Help Me Choose**

**Characteristics** 1

- Prioritizes small communities
- No cost share
- In-kind contributions
- Environmental restoration
- Disaster Declaration

**Assistance type** 1

- Data and scoping 1
- Design and planning 2
- Implementation 3

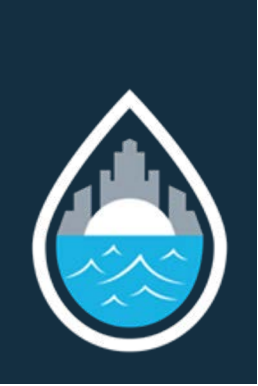
**Estimated funding**

- \$0-25,000
- \$25,001-100,000
- \$100,001-250,000
- \$250,001-1,000,000
- \$1,000,001-5,000,000
- Greater than \$5,000,000

**Federal support mechanism** 1

- Funding
- Finance
- Technical assistance

Program name	Prioritizes small communities	No cost share	In-kind contributions	Environmental restoration	Disaster Declaration	Assistance type	Estimated funding (\$)	Federal support mechanism
<a href="#">Building Resilient Infrastructure and Communities Program</a>	●		●	●	●	1 2 3	Varies	Funding
<a href="#">Disaster Supplemental Funding</a>			●		●	2 3	Varies	Funding
<a href="#">Environmental Education Local Grants</a>			●	●		3	50,000-100,000	Funding
<a href="#">Five Star and Urban Waters Restoration Grant Program</a>			●	●		3	20,000-50,000	Funding
<a href="#">Flood Mitigation Assistance Grant Program</a>			●	●		1 2 3	25,000-10,000,000	Funding
<a href="#">Hazard Mitigation Grant Program</a>			●		●	1 2 3	Varies	Funding
<a href="#">National Coastal Resilience Fund</a>			●	●		1 2 3	125,000-5,000,000	Funding
<a href="#">Public Assistance Program</a>			●		●	3	Varies	Funding
<a href="#">Public Works and Economic Adjustment Assistance Programs</a>			●			2 3	150,000-3,000,000	Funding
<a href="#">Resilient Communities Program</a>			●	●		2 3	100,000-500,000	Funding
<a href="#">Rural Development Water and Environmental Programs</a>	●	●	●			1 2 3	3,000-100,000	Funding / Finance / Technical Assistance



# We created the Adaptation for All guide to help local leaders determine the approaches to flooding

- The process of **identifying, funding, and implementing projects** to tackle flooding can be daunting
- In partnership with the **Embassy of the Kingdom of the Netherlands** and **Arcadis**, we created this guide to help local leaders determine approaches to flooding or sea level rise that can work best for them
- Drawing on examples from the U.S. and the Netherlands, the guide **highlights 26 approaches broken** down by cost, benefits, and implementation considerations





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**Thank you!**



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