



AMERICAN FLOOD COALITION

Federal Investment In Flood-Resilient Infrastructure

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American Flood Coalition

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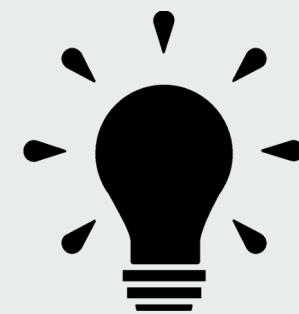
We are the American Flood Coalition

A nonpartisan coalition advocating for national solutions to flooding and sea level rise



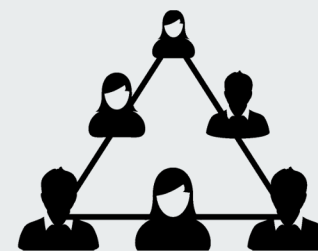
Best-in-class educational guides

Scalable educational resources to meet our members' needs



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



Competitive local resilience pilots

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



Platform for advocacy and education

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

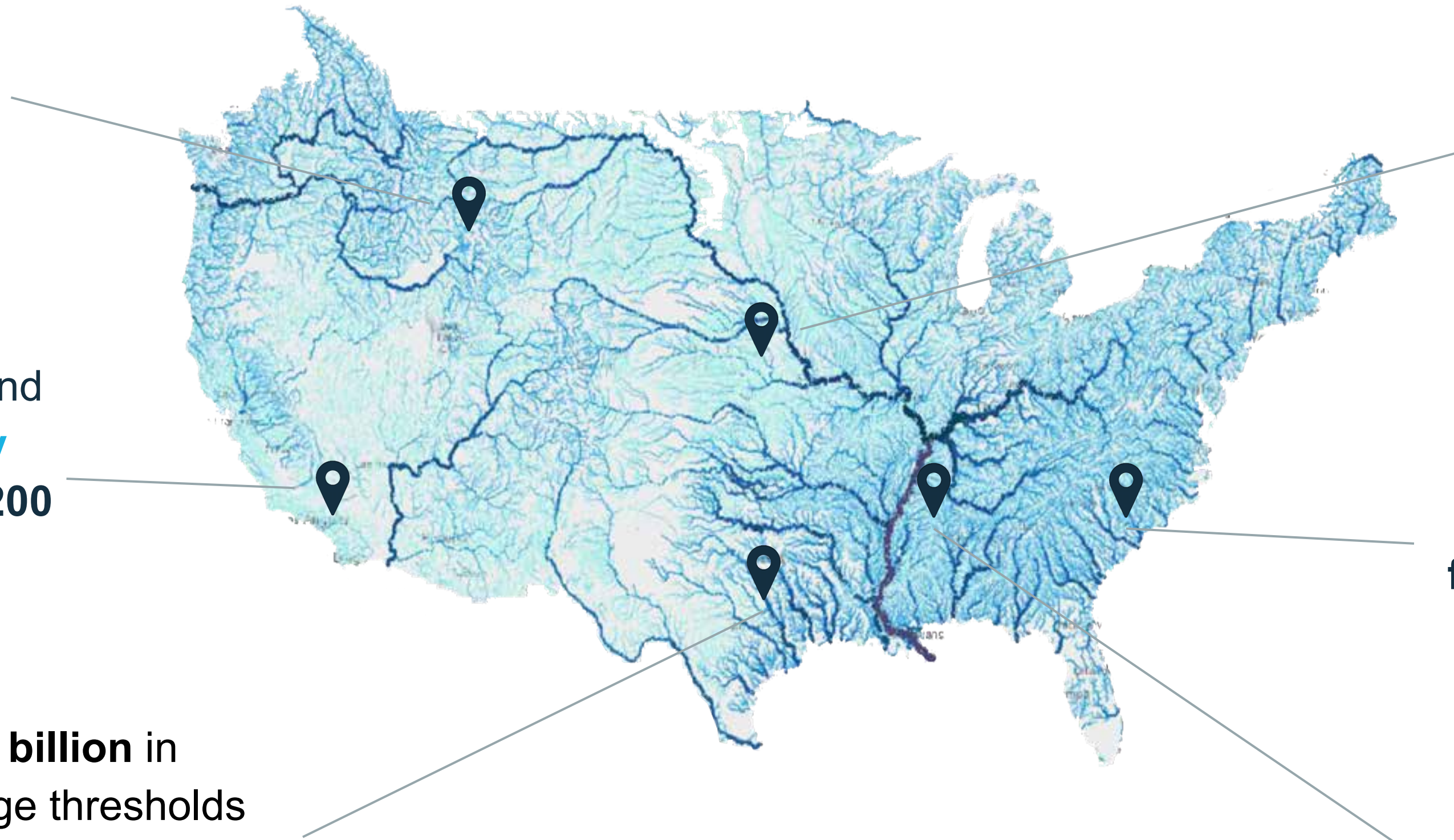


We believe that flooding is the defining issue of our time, affecting everyday Americans across all states

Since 2015, flooding has caused **\$1 billion in annual damages** on average to the **Northern Rockies and Plains**

Post-fire flash flood in 2018 and 2019 in **Santa Barbara County** killed **23 people** and caused **\$200 million** in property damage

Hurricane Harvey caused **\$125 billion** in damage, but HUD's high damage thresholds **excluded 2/3** of very **low-income Texans** from relief



Floods in 2019 ruined **20 million acres of farmland** in the **Midwest**, causing an estimated **\$1 billion** in crop and livestock **losses** in **Nebraska** alone

Congress spent over **\$3B** to **rebuild two Marine Corps facilities** in **North Carolina** after Hurricane Florence in 2018

51% of waterborne disease outbreaks **across the country** were preceded by flooding

Sources: Ahmed, Amal, "Last year's historic floods ruined 20 million acres of farmland" Popular Science, Jan 2020; Athey, Phillip, "Here's where the Corps' North Carolina bases stand 22 months after Hurricane Florence." Marine Corps Times, Jul 2020; Gaarder, Nancy, "An unprecedented event: Nebraska's losses from 2019 flooding, blizzard exceed \$3.4 billion." Omaha World Herald, Jan 2020; Liang, Song & Kintziger, Kristina & Reaves, Phyllis & Ryan, Sadie. (2017). Climate Change Impacts on Human Health. 10.17125/foi2017.ch04; Niehaus, Robert D. "The Economic Impacts of the Montecito Mudslides: A Preliminary Assessment." RDN, Inc., Mar 2018; NOAA National Centers for Environmental Information (NCEI) U.S. Billion-Dollar Weather and Climate Disasters (2021); Northey, Hannah. "After the blazes: Poisoned water and 'a flood on steroids.'" E&E News, Sep 2020; Vinik, Danny, "People just give up: Low-income hurricane victims slam federal relief programs." Politico, May 2018.





What will the future look like?

Sea level rise

Sea level has risen 6" on average across the U.S. since 1950, and will likely rise by an **average of 9" to 20"** by 2050, increasing the most along the East and Gulf coasts

Heavy rainfall

In the midwest and northeastern U.S., there will be 33 more days per year with greater than 2" of rain by 2050, **raising the risk of flash flooding**

Stronger storms

Globally, the proportion of tropical cyclones that reach **Category 4 and 5 will likely increase** over the coming century, and the impacts will worsen with sea level rise

Sources: "Sea Level Rise- Understanding the Past, Improving Projections for the Future." CSIRO March 2012;"The Future of Sea Level Rise: Sea Level Rise Is Speeding Up." (<https://sealevelrise.org/forecast/>) 2019; Sweet, W.V. et al. "Global and Regional Sea Level Rise Scenarios for the United States." NOAA 2017; Virginia Institute of Marine Science. "Sea Level Report Cards." (<https://www.vims.edu/research/products/slr/localities/index.php>) 2019; Boesch, D.F., et al. "Sea-level Rise: Projections for Maryland" 2018. University of Maryland Center for Environmental Science, Cambridge, MD, 2018; Kunkel, K. E., et al. "Regional Climate Trends and Scenarios for the National Climate Assessment: Part 3. Climate of the Midwest & Northeast." NOAA 2013; "Extreme Weather." (<https://nca2014.globalchange.gov/highlights/report-findings/extreme-weather>), 2014; NOAA GFDL. "Global Warming and Hurricanes: An Overview of Current Research Results." (<https://www.gfdl.noaa.gov/global-warming-and-hurricanes/>) June 2019.



We need smart and proactive investments to make the country more resilient

- ▶ Supporting a post-COVID economic recovery
- ▶ Investing today to avoid future disaster losses
- ▶ Addressing the pre-development capacity gap
- ▶ Broadening equity in infrastructure investments
- ▶ Investing in military readiness





Our newly released report studies the economic impact of flood resilient infrastructure projects

- In partnership with Johns Hopkins University 21st Century Cities Initiative, we produced a report that investigates **how federal investment in resilience creates jobs**, stimulates local markets, and brings additional benefits
- The report estimates that an **investment of \$1 billion could create 40,000 jobs** in the construction and retail trade industries
- Additionally, a \$1 million increase in funding is associated with an increase of **4 new construction businesses** in the year of the award







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Thank you!



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