

Resource	Author(s)
2017 Federal Financing Toolkit	
A Field Guide to Conservation Finance	
A Guide for Public-Sector Resilience Bond Sponsorship	Story Clark
A Pocket Guide to Funding Resources: Reducing Coastal Flood Risk	Shalini Vajhala, James Rhodes
Adaptation and the \$100 Billion Commitment: Why Private Investment Cannot Replace Public Finance in Critical Climate Adaptation	N/A
Adaptation Clearinghouse	Tracy Carty
Adapting to Climate Change: A Planning Guide for State Coastal Managers	N/A
After Sandy: Advancing Strategies for Long-Term Resilience and Adaptability	N/A
Alaska Community Coastal Protection Project: Potential Sources of Resiliency Funding and Technical Assistance	N/A
	N/A

Assistance Listings

	N/A
Being Prepared for Climate Change: A Workbook for Developing Risk-Based Adaptation Plans	N/A
Beyond the Basics: Best Practices in Local Mitigation Planning	N/A
Bridging the Adaptation Gap: Approaches to Measurement of Physical Climate Risk and Examples of Investment in Climate Adaptation and Resilience	Jay Koh
Building Coastal Resilience for Greater U.S. Security	Roger-Mark De Souza, Christopher Field, Alice Hill, Katharine Mach, Meaghan Parker
Building Coastal Resilience Through Capital Improvements	N/A
Building Resilient States: A Framework for Agencies	N/A
CAKE Resources and Community	N/A
Climate Adaptation and Resiliency Planning for New England Communities: First Steps and Next Steps	Charles Colgan, Jack Kartez, Martha Sheils
Climate Adaptation Finance and Investment in California	Jesse Keenan
Climate Adaptation Finance Mechanisms: New Frontiers For Familiar Tools	Jack Kartez, Samuel Merrill
Climate Bonds Standard v. 2.1	N/A
Climate Resilience Funding Guide	N/A
Coastal Adaptation: A Framework for Governance and Funding to Address Climate Change	N/A
Coastal Resilience Bonds and Tourist Fees to Finance Nature-Based Coastal Resilience Projects	N/A
Coastal Resilience Program	N/A

Coming Home After Disaster: Multiple Dimensions of Housing Recovery

Alka Sapat, Ann-Margaret Esnard (Eds.)

Community-Based Public Private Partnerships (CBP3s) and Alternative Market-Based Tools for Integrated Green Stormwater Infrastructure

N/A

Community-Driven Climate Resilience Planning: A Framework

Rosa Gonzalez

Conservation Finance - From Niche to Mainstream: The Building of an Institutional Asset Class

Conservation Finance Network Resources

N/A

Creating and Expanding Funding Streams for Adaptation Planning and Implementation

Lara Hansen, Sara Hoverter, and Je

Disaster Impact and Unmet Needs Assessment Kit

N/A

Disaster Recovery Financing for Water and Wastewater Utilities

N/A

Encouraging Investment in Coastal Conservation & Resilience

Shannon Cunnif and Erik Meyers

Evaluating the impact of climate change on US State and Local Issuers

N/A

Federal Funding and Financing Programs Post Disaster. In D. R. Gilmore & D. Standaert (Eds.), Building Community Resilience Post Disaster.

Antoinette M. Jackson

Federal Funding for Water and Wastewater Utilities in Natural Disasters (FedFUNDS)

N/A

Federal Funding Opportunities for Habitat Protection and Restoration in Maine

N/A

Federal Grants Wire

N/A

Fighting Fire with Finance: A Roadmap for Collective Action

N/A

Finance Guide for Resilient by Design Bay Area Challenge Teams

N/A

Financing Alternatives Comparison Tool (FACT)

N/A

Financing for Climate Resilience

N/A

Financing Green Infrastructure: A Best Practices Guide for the Clean Water State Revolving Fund

EPA

Financing High-Performance Infrastructure

N/A

Financing Natural Infrastructure for Coastal Flood Damage Reduction

C.S. Colgan, M.W. Beck, S. Narayan

Financing Options for Loss and Damage: A Review and Roadmap

Alexis Durand, Victoria Hoffmeister, Romain Weikmans, Jonathan Gewirtzman, Sujay Natson, Saleemul Huq, J. Timmons Roberts,

Financing Resilience in Connecticut: Current Programs, Nat

Rebecca A. French, Wayne W.
Cobleigh, Jessica H. LeClair, Yi Shi

Financing Resilient and Sustainable Water Infrastructure

N/A

Financing Resilient Communities and Coastlines

N/A

Financing Stormwater Retrofits in Philadelphia and Beyond

Alisa Valderrama, Larry Levine

Financing the Operation and Maintenance Costs of
Hurricane Protection Infrastructure: Options for the State
of Louisiana

Trey Miller

Financing the Resilient City: A Demand Driven Approach to
Development, Disaster Risk Reduction, and Climate
Adaptation

Jeb Brugmann

Financing Waterfront Resilience: State and Federal
resources for communities

N/A

For the Long Haul: Public-Private Partnerships for Long-
Term Disaster Recovery

N/A

Funding Adaptation: Financing Resiliency Through Sea
Level Derivatives

Sevren Gourley

Funding Coastal Resilience: A Different Perspective

Paul Mackie

Funding for Nature Based Solutions

N/A

Funding Opportunities

N/A

Funding Opportunities

N/A

Funding Opportunities

N/A

Getting to Green: Paying for Green Infrastructure	N/A
Grants.gov	
	N/A
Green Infrastructure Funding Tools Documents	N/A
Green Infrastructure Municipal Handbook	
	N/A
Guide to Public-Private Collaboration on City Climate Resilience Planning	Ashley Lawson, Katy Maher, Janet Peace
Hedging Hurricanes: A Concise Guide to Reinsurance, Catastrophe Bonds, and Insurance Linked Funds	Adam Alvarez
Helping Coastal Communities Build Resilience to Climate Change	N/A
Homeowner Handbooks to Prepare for Coastal Hazards	N/A
How to Issue a Green Muni Bond: The Green Muni Bonds Playbook	N/A
How to Pay for Coastal Resilience	N/A
How to Pay for Green Infrastructure: Funding and Financing	
	N/A
Hurricane Matthew Recovery	N/A
Hurricane Sandy Mitigation/Resilience Projects Overview and Specific Project Example	
	N/A
Identify (information page)	N/A
Impact Investments: An Emerging Asset Class	Nick O'Donohoe, Christina Leijonhufvud, Yasemin Saltuk, Antony Bugg-Levine, Margot Brandenburg
Innovative Finance for Resilience Coasts and Communities	Andrew Duetz, Jan Kellett, Tenke Zoltani

Innovative Finance for Resilient Infrastructure	N/A
Innovative financing for flood and coastal resilience	Paul Mackie
Innovative Financing for Green Infrastructure	Jennifer Cotting, Deron Muehring, Lori Beary
Investing for Resilience	
	Louise Pryor
Issue Brief: Saving by Mitigating	N/A
Land Conservation in a Changing Climate: Stewardship Science and Financing	Bradford S. Gentry, Shelley Clark, Colin Kelly, Joshua Morse
Leading-Edge Stormwater Financing	
	N/A
Legal Considerations Surrounding Adaptation to the Threat of Sea Level Rise	
	N/A
Leveraging Catastrophe Bonds as a mechanism for resilient infrastructure project finance	Shalini Vajhala, James Rhodes
Local Government Stormwater Financing Manual: A Process for Program Reform	
	Philip Favero
Local Mitigation Planning Handbook	
	N/A
Methods and Strategies for Financing Green Infrastructure in the City and County of Durham, North Carolina	
	Jeff Hughes
Money for Resilient Infrastructure: How to Finance America's Climate Changed Future	Joyce Coffee
National Flood Insurance Reform as a Tool for Municipal Climate Resilience Enhancement	
	John Ryan-Henry
National Sea Grant Resilience Toolkit	N/A

Natural Infrastructure Sector Report

N/A

Paying for Climate Adaptation in California: A Primer for Practitioners

N/A

Physical Infrastructure Sector Report

N/A

Port Resilience Index

Lauren Morris, Tracie Sempier

Preserving Assets in At-Risk Municipalities: Financial Strategies for Climate Change Adaptation

N/A

Principles for Implementing Flood and Coastal Resilience Funding Partnerships

N/A

Resilience Mitigation Financing for Water and Wastewater Utilities

N/A

Resilient Coasts: A Blueprint for Action

N/A

Resources and Opportunities

N/A

Responding to the Effects of Coastal Climate Change: Results of a National Sea Grant Survey

Neal McIntosh and Joe Cone

Restoring Flows: Financing the Next Generation of Water Systems

Fay Augustyn, Sharlene Leurig, and Jeff Odefey

Rethinking Disaster Recovery and Mitigation Funding in the Wake of Hurricane Harvey

N/A

Roadmap for Resilience

N/A

Sea Level Rise Adaptation: Funding Sources	Abby Corbett, Jason Koslowe, Isabelle Lopez
Standards and Finance to Support Community Resilience	N/A
State of Private Investment in Conservation 2016	Kelley Hamrick
Sustainable Working Waterfronts Toolkit	N/A
Tax Increment Financing	Angelika Kuehn
The Challenge of Mitigating Virginia's Flooding and Sea Level Rise Impacts	Skip Stiles, Shannon Hulst Jarbeau, Shereen Hughes, Mary- Carson Stiff
The Great American Adaptation Road Trip: Lessons learned about how hometowns across the United States are building their resilience to climate change	Allie Goldstein, Kirsten Howard
The Procurement of Public Infrastructure: Comparing P3 and Traditional Approaches	P. Boothe, F. Boudreault, D. Hudson, D. Moloney, S. Octaviani
The Role of States in Disaster Recovery, Video Training Guide	Gavin Smith, Lea Sabbag, Ashton Rohmer
The Status of Climate Finance at COP20, Lima	David Eckstein, Alpha Kaloga, Alix Mazounie, Sven Harmeling, Raju Chhetri, and Henriette Imelda
Tribal Climate Change Funding Guide	N/A
Understanding Climate Change Risk and U.S. Municipal Ratings	N/A

Using Public-Private Partnerships to Carry Out Highway
Projects

N/A

Water Finance Clearinghouse

N/A

Organization(s)	Year
LOCUS, Smart Growth America	2017
N/A	2012
re:focus partners	2017
FEMA, HUD, SBA, Louisiana Homeland Security and Emergency Preparedness, Louisiana Office of Community Development	2014
Oxfam	2013
Georgetown Climate Center	Unspecified
NOAA	2010
Urban Land Institute	2013
Alaska Department of Commerce, Community, and Economic Development	2016

General Services Administration	Unspecified
EPA	2014
UNC-Chapel Hill	Unspecified
Global Adaptation & Resilience Investment Working Group	2016
Hoover Institution	2018
American Planning Association	Unspecified
Smart Growth America	2015
Climate Adaptation Knowledge Exchange	Unspecified
Middlebury Institute of International Studies, New England Environmental Finance Center	2016
Routledge Focus (publisher)	2019
Journal of Ocean and Coastal Economics, Vol. 3, Issue 21, Article 4	2016
Climate Bonds Initiative	2017
Model Forest Policy Program	Unspecified
Regional Plan Association	2017
UNC-Chapel Hill, Carolina Planning, and UNC Environmental Finance Center	2018
Nature Conservancy	Unspecified

N/A	2017
EPA Region 3	2015
National Association of Climate Resilience Planners	2017
Credit Suisse, McKinsey Center for Business and Environment	2016
Conservation Finance Network	Unspecified
EcoAdapt, Georgetown Law Center, City of Cleveland	2013
HUD	Unspecified
EPA	2016
EDF and The Conservation Fund	2017
Moody's Investor Service	2017
American Bar Association	2014
EPA	Unspecified

US FWS	2006
Federal Grants Wire	Unspecified
Blue Forest Conservation, Encourage Capital	2017
NHA Advisors	2017
EPA	Unspecified
Marsh & McLennan Companies	2017
EPA	2015
HUD	Unspecified
Middlebury Institute of International Studies, Nature Conservancy, UC-Santa Cruz, Wildlife Conservation Society (funded by Lloyd's Tercentenary Research Foundation)	2017
German Development Institute	2016

Sea Grant Law & Policy Journal, Vol. 8:1	2017
EPA	2015-2017
Environmental Defense Fund, Quantified Ventures	2018
NRDC	2012
RAND	2012
ICLEI	2011
Hudson River Estuary Program	2016
Southeast Disaster Recovery Partnership	2018
Harvard Environmental Law Review	2017
Suffolk Coastal & Waveney District Councils (UK) Naturally Resilient Communities	2015 Unspecified
Great Lakes Coastal Resilience Planning Guide	Unspecified
NOAA Office of Coastal Management	Unspecified
US Climate Resilience Toolkit	Unspecified

EPA	2014
Grants.gov	Unspecified
EPA	2006-2009
EPA	2008
C2ES	2017
N/A	2017
RAND	Unspecified
Gulf of Mexico Alliance	Unspecified
Climate Bonds	2016
Waterfront Alliance	2014
Georgetown Climate Center - Green Infrastructure T	Unspecified
Coastal Resilience Center, UNC-Chapel Hill	Unspecified
USFWS	2014
Coastal Resilience	Unspecified
J.P. Morgan	2010
UNDP, The Nature Conservancy	2018

Center for Global Disaster Protection, Lloyd's of London	2018
Coastal Partnership East	Unspecified
EPA	2014
ClimateWise, University of Cambridge Institute for Sustainability Leadership	2016
New England Environmental Finance Center, Univer	2013
Yale School of Forestry and Environmental Studies	2017
EPA	2017-2018
City of Coral Gables, Florida	2016
re:focus partners	Unspecified
University of Maryland Environmental Finance Center	2014
FEMA	2013
UNC Environmental Finance Center	2014
Climate Resilience Consulting	2018
Sea Grant Law & Policy Journal, Vol. 8:1	2017
NOAA	2015

ReImagina Puerto Rico/Resilient Puerto Rico Advisory Commission	2018
Resources Legacy Fund	2018
ReImagina Puerto Rico/Resilient Puerto Rico Advisory Commission	2018
Gulf of Mexico Alliance	2016
New England Environmental Finance Center	2009
Department for Environment, Food and Rural Affairs	2012
EPA	2016
Heinz Center for Science, Ceres	2009
Florida Climate Institute	Unspecified
Oregon Sea Grant	2014
American Rivers, Ceres	2012
Kinder Institute for Urban Research	2018
re:focus partners	2015

Environmental and Land Use Section, Florida Bar	2017
OMB	2016
Ecosystem Marketplace/Forest Trends	2016
National Working Waterfronts Network	2013
Land Use Law & Zoning Digest,37:5, 3-7	2011
Wetlands Watch	2014
Georgetown Climate Center	2015
Lawrence National Centre for Policy and Management, Western University	2015
Coastal Resilience Center, UNC-Chapel Hill	Unspecified
Climate Finance Advisory Service	2014
University of Oregon	Unspecified
S&P Global Ratings	2017

CBO

2012

EPA

Unspecified

Description

Guide to federal programs, resources, and financing for smart growth development (brownfields, community development, environment, housing, transportation, and rural development)

Guidance and framework for smaller land conservation organizations on achieving conservation goals using traditional and cutting-edge financial strategies. Includes information on how to raise money, borrowing money, and reducing the cost of transactions. Topics include transfer fees, voluntary surcharges, seller financing, revolving funds, and Project Related Investment programs (PRIs).

Framework for city, state, and federal government to align public-sector disaster risk reduction measures with private insurance using Resilience Bonds.

Guide for homeowners, renters, and business owners on available funding sources (nationally applicable) for disaster preparedness and recovery

Analysis of the appropriateness and role of private investment in adaptation and differences in perspective between the developed and developing world.

Comprehensive database of adaptation and resilience resources and of local, state, nonprofit, and federal funding for resilience

Resource for climate adaptation; contains information on potential federal funding sources

Summary of consensus recommendations of the Urban Land Institute (ULI) panel on planning for the long-term resilience and preparedness of the New York - New Jersey region, including recommendations on finance, investment, and insurance.

Summary of federal, state, local, regional, and other funding opportunities available for coastal protection and resilience in Alaska (federal and other opportunities are relevant beyond Alaska).

Searchable database with detailed descriptions of federal assistance listings available to State and local governments; tribes; territories; public, quasi- public, and private profit and nonprofit organizations and institutions; specialized groups, and individuals.

Strategies and guidelines for developing climate adaptation plans

Toolkit for local mitigation planning, designed to help loc

Report on working group discussions, including the need for an examples of investment in adaptation and resilience

Document describing policy options for coastal resilience, including funding options and recommendations

Annotated bibliography of resources for an ongoing NOAA-f

Framework for building state-level resilience plans, funding :

Portal for information, tools, networking, and funding oppor

Stepwise guide for vulnerability and risk assessment planning, taking action on adaptation, and funding adaptation.

Guide for local governments and private enterprises on investment in climate change adaptation and resilience.

Evaluation of available finance mechanisms through the lens of timescale, local/public vs. market-based mechanisms, scale, etc. and opportunities for repurposing existing funding mechanisms for broader adaptation needs.

Introduction to climate bonds standard and certification scheme, and other definitions and financial requirements associated with climate bonds.

information on 34 climate adaptation-focused grant progra

Key recommendations from the RPA's fourth regional plan for the New York, New Jersey, and Connecticut metropolitan area, including challenges and opportunities for coastal adaptation funding.

Presentation on coastal resilience bonds and tourist fees as Portal for information, training, and mapping resources relat

Book addressing approaches to post-disaster housing recovery, including the role of insurance and financial institutions

Guidance for communities on how to evaluate opportunities to develop a P3 program to help “close the gap” between current resources and the funding that will be required to meet stormwater regulatory commitments and community stormwater management needs, with a particular focus on the Chesapeake Bay region.

Framework and recommendations for community-driven resilience planning, including approaches to building community partnerships to access funding, and resources and case study examples of local resilience funding approaches.

Overview of the growth of the conservation finance market and associated finance mechanisms, and proposal for a toolkit of ideas for investment in conservation

Website includes articles and links to resources on spectrum

Recorded webinar identifying existing adaptation funding streams and using existing resources and mandates to implement adaptation.

Toolkit of resources, including funding opportunities, to mi

Recorded webinar addressing financing approaches for water, wastewater, and stormwater utilities following a disaster.

Presentation outlining the Systems Approach to Geomorphic Engineering (SAGE) community of practice and emerging financing tools for conservation and resilience

Overview of how Moody's assess credit impacts of climate change on state and local issuers.

Overview of the federal disaster declaration process and federal funding programs and incentives.

Overview of funding opportunities, decision tree for selecting funding, resources on disaster planning, recorded webinars, and other tools for water or wastewater infrastructure

Description of federal grant programs supported through the U.S. Fish and Wildlife Service Gulf of Maine Coastal Program for fee and easement acquisition and habitat restoration and other key grant programs regularly used in Maine that are available through other federal, state and/or non-government conservation partners. Many programs described are applicable to other states.

Database of federal grants organized by topic and funding agency

Background on the Forest Resilience Bond and market for conservation finance, structure and use of FRBs, and risks and considerations for use of FRBs

Reporting strategic funding and financing options for developing hazard-ready infrastructure in California, applicable to decisionmakers and designers beyond the Bay Area/California. The report identifies funding and financing mechanisms from local and regional public revenue sources, state and local grants, federal grants, and alternative revenue sources for project finance -

Financial analysis tool to identify the most cost-effective method to fund a wastewater or drinking water management project.

Information on financing options for resilience, including ri

Examples of how states have used their CWSRF programs to provide incentives for investments in green infrastructure

Funding for green infrastructure including information about obtaining and utilizing green bonds

Research summary of financial tools for investing in natural infrastructure to reduce current and future risks from flooding

Paper defining financing loss and damage response, identifying innovative funding mechanisms, and evaluating the extent to which the mechanisms can be implemented.

Article designed to educate Connecticut municipalities, regulators, policymakers, and legislators on the need to collaborate on developing financing methods for resiliency, including innovative public-private partnership (P3) models and adapting existing public and private finance models for resiliency.

Linked presentations from 2015-2017 national forums on financing resilient and sustainable water, wastewater, and stormwater infrastructure

Evaluation of the feasibility of Environmental Impact Bonds to support wetland restoration in Louisiana and serve as a blueprint for financing other natural infrastructure projects that build coastal resiliency across the Gulf and beyond.

Description of Philadelphia's innovative stormwater fee and credit structure and incentives, as a model for other communities.

Study intended to provide Louisiana's Coastal Protection and Restoration Authority (CPRA) and coastal zone levee districts with estimates of additional operating costs and options for potential future sources of revenue.

White paper that outlines the case for "mainstreaming climate

Overview of federal and state (New York) assistance programs

White paper evaluating the role of P3s in long-term disaster planning/recovery, including existing resources, case studies, and recommendations.

Proposal for use of sea level default swaps and a nuisance flooding futures contracts to fund resiliency to sea level rise.

Presentation outlining challenges and alternative approaches to the current funding landscape for coastal resilience in the UK; principles are relevant to the US

Database of federal funding opportunities and information

Great-Lakes specific information, networking, tools, and funding opportunities related to coastal resilience

List of active funding opportunities offered by the NOAA Office of
Database providing guidance and technical information related

Report outlining green infrastructure financing options and resources for local decision makers

The unified portal for announcing federal funding opportunities, as well as submitting grant applications. Searchable by category, agency, eligibility, and funding instrument type,. Users can receive [email notifications](#) about new grants that fit specific criteria. Includes resources on eligibility, applying for grants, writing grant proposals, and managing grants.

Compilation of resources outlining funding mechanisms and programs available for stormwater

Comprehensive handbook on green infrastructure design, installation, and management, including chapters on funding options and incentive mechanisms

Recommendations for city leaders and planners on inviting and promoting public-private collaboration on city climate resilience planning in their communities.

Introduction to investment in insurance linked funds.

Library of comprehensive coastal resilience-focused project

Guidelines on enhancing individual resilience, including protecting property with insurance

Information about green bonds, how to obtain them, different types, how to issue them

Multi-article resource on paying for coastal resilience, with

Toolkit of considerations, funding options and approaches (federal, state, local, government, and private), and guidance for green infrastructure projects

Comprehensive reports and analysis of obstacles and opport

Descriptions of resilience projects that received funding through the Hurricane Sandy Disaster Relief Supplemental Appropriations Act of 2013

Description of CRS system and links to other resources

Evaluation of impact investing as an emerging asset class, and market opportunity

Report highlighting opportunities to protect coastal zones through emerging insurance mechanisms.

Overview of trends and emerging options for resilient infrastructure finance

Presentation summarizing innovation in the financing landsc

Recorded webinar on innovative financing for green infrastructure.

Analysis of the relationship between the insurance industry, its investment activities and its potential support for climate resilience.

information on mitigation planning and list of funding oppor

Report from 2016 Berkley Workshop, which explored in part

Recorded webinar series on successful and leading-edge examples of how communities have financed stormwater programs.

White paper summarizing sea level rise adaptation options for the City, including options for financing adaptation that are nationally applicable.

Overview of an approach for systematically linking catastrophe bonds and conventional project finance to support large-scale resilience projects.

Manual for local government leaders on stormwater financing issues and opportunities, including reducing costs through performance-based financing, establishing stormwater credit and rebate programs, using markets and offsets in an urban environment, and maximizing stormwater benefits through the use of green infrastructure

Guide for local governments to develop, update and implement local mitigation plans. Task 9 module covers Funding and Assistance, including links to additional resources and funding programs.

Report identifying and defining the key components of financing mechanisms available to support green infrastructure investments in Durham County; concepts and mechanisms are more broadly applicable to other communities.

Book outlining information on how to fund and finance infra

Analysis of state of reform proposals in the policy literature from the perspective of municipal land use management, and assessment of the implications of various reform options on the ability of communities to enhance resilience

Compilation of tools and resources developed by the Sea Gr

Challenges and opportunities for enhancing resilience of natural infrastructure in Puerto Rico, including funding challenges and proposed actions and associated funding options

Information for local, state and regional practitioners in California on how to pay for the investments needed to prepare for the impacts of climate change.

Challenges and opportunities for enhancing resilience of physical infrastructure in Puerto Rico, including funding challenges and proposed actions and associated funding options

Self-assessment tool for port resilience, including assessment component on finance/insurance

Intended to help coastal municipalities identify a path forward

Framework for implementing funding partnerships to address multi-project flood and coastal erosion risk management efforts in the UK

Recorded webinar addressing tools and financing resources to conduct resilience planning and to mitigate impacts before a disaster strikes

Information for coastal resilience planning, including recommendations on approaches to funding and financing

Comprehensive compilation of resources including publications, presentations, data sets, and more related to climate variability and change, and listing of current research grant and other funding opportunities.

Results of a national climate adaptation survey characterizing opinions, plans, and information needs of coastal resource professionals regarding climate adaptation

Report outlining innovative approaches to sustainable financing
report about changes to disaster recovery and mitigation funding

Summary of an 18-month predevelopment process with eight US cities and teams of leading private sector design, engineering, law, and finance experts, including recommendations on financing systems (cross-sector), rather than individual projects.

Traditional and emerging funding sources available to communities for adapting to sea level rise impacts

Report identifying opportunities for continued collaboration and help ensure that future investments will be climate smart from the start, that damaged communities build back smarter, and that both public and private sectors are poised to seize new opportunities to achieve resilience.

Overview of the size, scope, and trends in new and increasing investments in sustainable forestry, agriculture, fisheries, habitat, and water.

Comprehensive toolkit on historical and current use of waterfront space, the economic value of working waterfronts, and legal, policy, and financing tools for preserving, enhancing, and protecting waterfront areas.

Overview of tax increment financing as an approach to local redevelopment and extent of use across the US.

Summary of flooding and sea level rise challenges in Virginia and models for public and private financing to address outstanding needs

Lessons learned from resilience-building initiatives in communities across the country, including funding approaches and needs.

Research report comparing the processes and incentive structures embedded in traditional and P3 approaches to public sector procurement.

Video training unit and accompanying handbook for states c

Synopsis of climate finance discussions that occurred at COP20 in Lima, Peru.

Searchable resource database of resources, grants, programs, and plans for tribes working to address the impacts of climate change

FAQs on how S&P's analysis of climate change risks interacts with existing U.S. public finance criteria and rating definitions, and links to additional climate-related research published by S&P

Comparison of traditional and P3 approaches to highway project finance and analysis of the opportunities for, availability of, and examples of P3 financing of highway projects

Searchable on-line database of information on funding programs and related resources for drinking water, wastewater, and stormwater infrastructure

[https://smartgrowthamerica.org/resources/2017-federal-financing-toolkit/\\$60 fee for non-LOCUS members](https://smartgrowthamerica.org/resources/2017-federal-financing-toolkit/$60%20fee%20for%20non-LOCUS%20members)

<https://www.amazon.com/Field-Guide-Conservation-Finance-ebook/dp/B>

<http://www.refocuspartners.com/wp-content/uploads/pdf/RE.bound-Prog>

<http://coastal.la.gov/wp-content/uploads/2014/03/CPRA-Pocket-Guide-to>

<https://www.oxfam.org/sites/www.oxfam.org/files/ib-adaptation-public-f>

<https://www.adaptationclearinghouse.org/>

<https://coast.noaa.gov/data/digitalcoast/pdf/adaptationguide.pdf>

<http://uli.org/wp-content/uploads/ULI-Documents/AfterSandy.pdf>

https://www.commerce.alaska.gov/web/Portals/4/pub/6_Appendix_E-Pot

<https://beta.sam.gov/help/assistance-listing>

https://www.epa.gov/sites/production/files/2014-09/documents/being_

<http://mitigationguide.org/http://mitigationguide.org/>

<http://427mt.com/wp-content/uploads/2016/11/GARI-2016-Bridging-the->

<https://www.hoover.org/sites/default/files/research/docs/costalresilience>

<https://www.planning.org/research/coastalresilience/>

<https://www.smartgrowthamerica.org/app/legacy/documents/building-re>

<https://www.cakex.org/https://www.cakex.org/https://www.cakex.org/>

<https://www.middlebury.edu/institute/sites/www.middlebury.edu.institu>

http://opr.ca.gov/docs/20181106-Keenan_Climate_Adaptation_Finance_a

https://www.researchgate.net/publication/309956244_Climate_Adaptati

<https://www.climatebonds.net/files/files/Climate%20Bonds%20Standar>

<http://www.mfpp.org/climate-resilience-funding-guide/>

https://www.eenews.net/assets/2017/10/16/document_gw_06.pdf

<https://conference.ifas.ufl.edu/aces/Presentations/Salon%20B/Thursday/1>

<http://coastalresilience.org/http://coastalresilience.org/>

<https://www.routledge.com/Coming-Home-after-Disaster-Multiple-Dimen>

https://www.epa.gov/sites/production/files/2015-12/documents/gi_cb_p

<https://movementstrategy.org/b/wp-content/uploads/2017/05/WEB-CD-C>

<https://assets.rockefellerfoundation.org/app/uploads/20160121144045/cc>
<https://conservationfinancenetwork.org/>

<http://www.ecoadapt.org/webinars/Funding-Adaptation>
<http://www.hudexchange.info/resource/2870/disaster-impact-and-unme>

<https://www.epa.gov/waterfinancecenter/disaster-recovery-financing-wet>

<http://sagecoast.org/SAGEFinancingCoastalResilience.pdf>

<http://www.southeastfloridaclimatecompact.org/wp-content/uploads/201>

<http://apps.americanbar.org/abastore/products/books/abstracts/5530026>

<https://www.epa.gov/fedfunds>
<https://www.epa.gov/fedfunds>

https://www.fws.gov/gomcp/pdfs/funding_06.pdf

<https://www.federalgrantswire.comhttps://www.federalgrantswire.com>

<https://static1.squarespace.com/static/556a1885e4b0bdc6f0794659/t>

<http://arccacalifornia.org/wp-content/uploads/2018/01/RBD-Financing-Gu>

<https://www.epa.gov/cwsrf/user-guide-financing-alternatives-comparison-https://www.oliverwyman.com/content/dam/oliver-wyman/v2/publicatio>

https://www.epa.gov/sites/production/files/2016-01/documents/final_gi

<https://www.hudexchange.info/resources/documents/Financing-High-Perf>

<https://conservationgateway.org//ConservationPractices/Marine/crr/librar>

https://www.die-gdi.de/uploads/media/DP_21.2016.pdf

<http://nsglc.olemiss.edu/sglpj/vol8no1/3-french-et-al.pdf>

<https://www.epa.gov/waterfinancecenter/water-finance-webinars-and-fo>

[https://www.edf.org/sites/default/files/documents/EIB_Report_August20:](https://www.edf.org/sites/default/files/documents/EIB_Report_August20)

<https://www.nrdc.org/sites/default/files/StormwaterFinancing-report.pdf>

https://www.rand.org/content/dam/rand/pubs/technical_reports/2012/

<http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/Front>

http://www.dec.ny.gov/docs/remediation_hudson_pdf/financefr2.pdf

http://secoora.org/wp-content/uploads/2018/11/Partnerships_for_Disas

<http://harvardelr.com/2017/04/17/funding-adaptation-financing-resiliency>

<http://www.greensuffolk.org/assets/Greenest-County/Water--Coast/Suffo>
<http://nrcsolutions.org/funding/http://nrcsolutions.org/funding/>

<http://greatlakesresilience.org/events-and-funding/funding-opportunities>

<https://coast.noaa.gov/funding/https://coast.noaa.gov/funding/>

<https://toolkit.climate.gov/content/funding-opportunities>

<https://nepis.epa.gov/Exe/ZyPDF.cgi?Dockey=P100LPA6.txt>

<http://www.grants.gov><http://www.grants.gov><http://www.grants.gov>

<https://www.epa.gov/green-infrastructure/green-infrastructure-funding-t>

<https://www.epa.gov/green-infrastructure/green-infrastructure-municipa>

<https://www.c2es.org/site/assets/uploads/2017/05/guide-public-private-c>

<https://www.amazon.com/Hedging-Hurricanes-Mr-Adam-Alvarez/dp/1539>

<https://www.rand.org/jie/infrastructure-resilience-environment/centers/v>

<http://stormsmart.org/handbook/><http://stormsmart.org/handbook/>

<https://www.climatebonds.net/files/files/Green%20City%20Playbook.pdf>
<https://waterfrontalliance.org/2018/09/21/how-to-pay-for-coastal-resilien>

<https://www.georgetownclimate.org/adaptation/toolkits/green-infrastruc>
<https://coastalresiliencecenter.unc.edu/crc-projects/hurricane-matthew-r>

<https://www.fws.gov/hurricane/sandy/pdf/FundedSandyResiliencyProject>
<http://coastalresilience.org/approach/identify/>

<https://www.jpmorganchase.com/corporate/socialfinance/document/imp>

<http://www.undp.org/content/undp/en/home/librarypage/climate-and-di>

<https://www.lloyds.com/~media/files/news-and-insight/risk-insight/2018>,

<https://www.floodandcoast.com/assets/Uploads/Paul-Mackie-Coastal-Parl>

<https://www.epa.gov/green-infrastructure/innovative-financing-green-infr>

<https://www.cisl.cam.ac.uk/resources/publication-pdfs/Investing-for-resili>

<https://digitalcommons.usm.maine.edu/cgi/viewcontent.cgi?referer=&htt>

<https://www.cakex.org/documents/land-conservation-changing-climate-st>

<https://www.epa.gov/waterfinancecenter/leading-edge-stormwater-financ>

<http://www.southeastfloridaclimatecompact.org/wp-content/uploads/201>

<http://www.refocuspartners.com/wp-content/uploads/2017/02/RE.bound>

https://www.efc.umd.edu/assets/publications/2efc_stormwater_financing

<https://www.fema.gov/media-library/assets/documents/31598?id=7209>

<https://efc.sog.unc.edu/sites/default/files/Methods%20and%20Strategi>

<https://www.amazon.com/dp/B07LG3QCK2>

<http://nsglc.olemiss.edu/sglpj/vol8no1/4-ryan-henry.pdf>

<http://seagrant.noaa.gov/WhatWeDo/ResilienceToolkit.aspx>

http://www.resilientpuertorico.org/wp-content/uploads/2018/10/RePR_

<https://resourceslegacyfund.org/wp-content/uploads/Paying-for-Climate-/>

http://www.resilientpuertorico.org/wp-content/uploads/2018/10/RePR_

https://gulfofmexicoalliance.org/documents/pits/ccr/ports_resilience_index

<https://digitalcommons.usm.maine.edu/cgi/viewcontent.cgi?referer=&https://www.usm.maine.edu/>

<https://webarchive.nationalarchives.gov.uk/20140328162959/http://cdn.e>

<https://www.epa.gov/waterfinancecenter/resilience-mitigation-financing-v>

<https://www.travelers.com/about-us/docs/ResilientCoastsBlueprint.pdf>

<https://floridaclimateinstitute.org/opportunities/funding>

<https://seagrant.oregonstate.edu/sites/seagrant.oregonstate.edu/files/sg>

<https://www.americanrivers.org/conservation-resource/restoring-flows-fir>

<https://kinder.rice.edu/sites/g/files/bxs1676/f/documents/KI%202018%>

http://www.reinvestinitiative.org/wp-content/uploads/pdf/RE.invest_Roac

<http://www.stearnsweaver.com/files/2017%20Seal%20Level%20Rise%20>

<https://web.archive.org/web/20170119034245/https://www.whitehouse.gov>

<http://www.naturevesttnc.org/pdf/Investing-in-Conservation-2016-full.pdf>

<http://www.wateraccessus.com/toolkit.html>

<https://www.tandfonline.com/doi/abs/10.1080/00947598.1985.10394989>

<https://static1.squarespace.com/static/56af7134be7b96f50a2c83e4/t/58>

<https://www.georgetownclimate.org/files/report/GCC-Great%20Americ>

<https://www.ivey.uwo.ca/cmsmedia/1964203/comparing-p3-and-tradition>

https://coastalresiliencecenter.unc.edu/files/2018/09/Role_of_States_Tra

<https://cdkn.org/wp-content/uploads/2014/12/CFAS-GUIDE-to-Climate-Fi>

<https://tribalclimateguide.uoregon.edu/>

[https://www.capitaliq.com/CIQDotNet/CreditResearch/RenderArticle.](https://www.capitaliq.com/CIQDotNet/CreditResearch/RenderArticle)

<https://www.cbo.gov/sites/default/files/112th-congress-2011-2012/report>

<https://ofmpub.epa.gov>

Funder	Program/Fund Name	Funding Geography	Type
Ayrshire Foundation	Ayrshire Foundation Grants	National - Preference for California and Petoskey/Harbor Springs, Michigan	Grant
Best Climate Solutions	Best Climate Solutions Award - Communicating climate change threats and opportunities	International	Grant
BIA	Tribal Resilience Program	National	Grant; technical assistance
Bloomberg Philanthropies	Vibrant Oceans Initiative	International	Grant Financial Assistance
Bullitt Foundation	Bullitt Foundation Grants	Regional - Pacific Northwest	Grant
Charles Stewart Mott Foundation	Charles Stewart Mott Foundation: Environment Grants	National - Environmental Program focus on Great Lakes region	Grant
Chesapeake Bay Trust	Environmental Education	Regional - Chesapeake Bay communities	Grant
Chesapeake Bay Trust	Green Streets, Green Jobs, Green Towns (G3) Grant Program	Regional - Chesapeake Bay communities	Grant
Chesapeake Bay Trust	Outreach and Restoration Grant Program	Regional - Chesapeake Bay communities	Grant
Climate Resilience Fund	Coordination and Collaboration Grants	National	Grant
David and Lucile Packard Foundation	David and Lucile Packard Foundation: Impact Investing	National; additional local grantmaking program focused on 5 California counties	Grant

Department of Transportation	Better Utilizing Investments to Leverage Development (BUILD)	National	Grant
DOE	On-Request Technical Assistance	National	Technical assistance
DOE	State Energy Program (SEP)	National	Grant; technical assistance
DOE	Office of Indian Energy - Technical Assistance	National	Technical assistance
DOE	Weatherization Assistance Program	National	Grant; technical assistance
Doris Duke Charitable Foundation	Doris Duke Charitable Foundation Grants	Regional - Tri-State Area, Northeast	Grant
DOI	Discretionary Financial Assistance to the U.S. Territories and Freely Associated States	Regional - Territories and islands	Grant; technical assistance
DOT	Surface Transportation Block Grant Program (STBG)	National	Grant
EDA	EDA Public Works and Economic Development Assistance programs	National	Grant and cooperative agr
EPA	Clean Water Act Section 319 Grants	National	Grant, Other
EPA	Clean Water State Revolving Fund	National	Loan, Other

EPA	Drinking Water State Revolving Fund (DWSRF)	National	Loan
EPA	Environmental Justice Small Grants Program	National	Grant
EPA	Greening America's Communities	National	Other
EPA	National Estuary Program Coastal Watersheds Grant	National	Grant
EPA	Water Infrastructure Finance and Innovation Act (WIFIA)	National	Loan
EPA	Wetland Program Development Grants	National	Grant
FEMA	Community Assistance Program -State Support Services Element	National	Other
FEMA	Emergency Management Performance Grants	National	Grant
FEMA	Fire Management Assistance Grants	National	Grant
FEMA	Flood Mitigation Assistance Program (FMA)	National	Grant
FEMA	Hazard Mitigation Grant Program (HMGP)	National	Grant

FEMA	Homeland Security Grant Program (HSGP)	National	Grant
FEMA	National Dam Safety Program (NDSP) State Assistance Grants	National	Grant
FEMA	National Flood Insurance Program (NIFP)	National	Other
FEMA	Port Security Grant Program	National	Grant
FEMA	Public Assistance Grant Program	National	Grant; technical assistance
FEMA	Building Resilient Infrastructure and Communities (BRIC)	National	Grant; technical assistance
FEMA	Transit Security Grant Program	National	Grant
FEMA	Tribal Homeland Security Grant Program	National	Grant
HHS	Low Income Home Energy Assistance Program (LIHEAP)	National	Grant
HUD	Community Development Block Grant Program (multiple programs)	National	Grant; Loan guarantee
HUD	Disaster Recovery Assistance	National	Other

Joyce Foundation	Joyce Foundation Grants	National	Grant
Kresge Foundation	Various funding programs	National	Grants, operating support,
National Fish and Wildlife Foundation (NFWF)	Chesapeake Bay Stewardship Fund: Innovative Nutrient and Sediment Reduction Program	Regional - Chesapeake Bay	Grant
National Fish and Wildlife Foundation (NFWF)	National Coastal Resilience Fund	National	Grant
National Fish and Wildlife Foundation (NFWF)	Emergency Coastal Relief Fund	Regional - coastal communities within counties that received federal disaster declaration	Grant
National Rural Water Association (NRWA)	Rural Water Loan Fund	National	Loan
NOAA	Bay-Watershed Education and Training	Regional - California, Chesapeake Bay, Great Lakes, Gulf of Mexico, Hawaii, New England, Pacific Northwest	Grant
NOAA	Climate and Societal Interactions (CSI): Coastal and Ocean Climate Applications (COCA)	National	Grant
NOAA	Coastal and Marine Habitat Restoration Grants	National	Grant
NOAA	Coastal Zone Management Act (CZMA)'s Enhancement Program Projects of Special Merit	National	Grant
NOAA	Coastal Zone Management Program	National	Grant

NOAA	Community-based Restoration Program Coastal and Marine Habitat Restoration Grants	National	Grant
NOAA	Coral Reef Conservation Program, Domestic Coral Reef Conservation Grants	Regional - American Samoa, Guam, CNMI, Puerto Rico, Hawaii, Florida, USVI, Gulf of Mexico	Grant
NOAA	Ecological Effects of Sea Level Rise Program	National	Grant
NOAA	Great Lakes Habitat Restoration Grants	Regional - Great Lakes	Grant
Open Space Institute	Resilient Landscapes Funds	National	Grant, Loan
Pisces Foundation	Multiple programs	National	Grant
Rural Community Assistance Partnership (RCAP)	Water and Wastewater Revolving Loan Fund	National	Loan
SBA	Disaster Loan Assistance	National	Loan
Surdna Foundation	Multiple programs	National	Grant
The Nature Conservancy	Conserving Nature's Stage (CNS) Climate Resilience program	Regional - Northwestern US	Grant
USACE	Continuing Authorities Program (CAP)	National	Grant

USACE	Emergency Operations: Flood Control and Coastal Emergencies	National	Technical assistance
USACE	Flood Plain Management Services (FPMS)	National	Grant
USACE	Flood Risk Management Program	National	Technical assistance
USACE	USACE Planning Assistance to States (PAS)	National	Grant
USDA	Rural Economic Development Loan & Grant Program	National	Grant; loan
USDA	Rural Energy for America Program Renewable Energy Systems & Energy Efficiency Improvement Guaranteed Loans & Grants	National	Grant; loan
USDA	Rural Energy for America Program (REAP) Energy Audit & Renewable Energy Development Assistance Grants	National	Grant
USDA	USDA Community Facilities Direct Loan and Grant Program	National	Grant; loan
USDA	USDA Community Facilities Guaranteed Loan Program	National	Loan guarantee
USDA	USDA Natural Resources Conservation Service Emergency Watershed Protection Program, Floodplain Easement	National	Other
USDA	USDA Natural Resources Conservation Service Emergency Watershed Protection Program, Recovery	National	Grant; technical assistance

USDA	Emergency Conservation Program	National	Grant; technical assistance
USDA	Environmental Quality Incentive Program (EQIP) - Natural Disaster Recovery Assistance	National	Grant; technical assistance
USDA	Emergency Forest Restoration Program	National	Grant
USDA	USDA Natural Resources Conservation Service Watershed Protection and Flood Prevention	National	Grant; technical assistance
USDA	USDA Smith-Lever Special Needs Funding	National	Grant
USDA	Water and Waste Disposal Loan and Grant Program	National	Grant; loan
USDA/USFS	Volunteer Fire	National	Grant; technical assistance
USFWS	Coastal Program	National	Technical and financial assi
USFWS	U.S. Fish & Wildlife Service Coastal Wetlands Conservation Grant Program	National	Grant
Wildlife Conservation Society	Climate Adaptation Fund	National	Grant

Nonprofit

Unrestricted

Tribes; Non-profits

50 reef geographies that are projected to be less vulnerable to long-term climate impacts and can repopulate other reefs over time.

3. Support at least 20 countries to achieve fishing activity transparency in their national waters.

Nonprofit; municipal corporation; public agency; or Native American Tribe

Nonprofit

Local education agencies (LEAs), nonprofit organizations, government agencies, public and independent higher education institutions, community associations, faith-based organizations and more

Local governments including municipalities and neighborhood/community associations, and non-profit organizations.

Non-profit organizations, community associations, faith-based organizations and more.

Nonprofit

Primarily nonprofit

State, local and tribal governments (including transit agencies, port authorities, metropolitan planning organizations (MPOs), and other political subdivisions of state or local governments)

Federally recognized Indian tribes, including Alaska Native villages; other organized tribal groups and communities—including Alaska Native regional and village corporations; tribal energy resource development organizations

States

Tribes

States and tribes

Community action agencies, local government, other not-for-profit organizations

Open

Territories and freely associated states

.....
200,000, areas of the state with populations from 5,001 to 200,000, and areas of the state with population under 5,000

States and local agencies

State, City or township, Public and State institutions of higher education, Non-profits, County, Native American tribal governments

.....
profit and for-profit organizations, organizations, individuals, and federal, state and local agencies.

States and tribes

Varies by project type. Includes nonprofits, municipality or intermunicipal, interstate, or State agencies, and more

States

Privately and publicly
owned community water
systems and non-profit
noncommunity water
systems

States

Nonprofit, tribal government (including Alaska
Native Villages), tribal organization

US cities

State, interstate, and regional water pollution
control agencies and entities; State coastal zone
management agencies; interstate agencies; and
other public and private nonprofit agencies,
institutions, organizations, and individuals.
entities, partnerships and joint ventures,
corporations and trusts, Clean Water and
Drinking Water State Revolving Fund (SRF)
programs (non-profits eligible under
corporations/partnerships categories).

State, tribal, local government agencies and
interstate/intertribal entities

State

States, tribes, local government

States, tribes, local government

Local
governments/communities,
individual homeowners,
businesses, and private
nonprofits

States, tribes, local government

Local governments can
sponsor applications on
behalf of individuals

States, tribes, and local communities

(Urban Area Security Initiative program); Tribes and county or equivalent local governments (Operation Stonegarden)

States

States

Property owners, renters, and businesses in communities that participate in the NFIP

Port authorities, facility operators, state and local government, and other entities subject to an Area Maritime Transportation Security Plan

States, tribes, local government

States, tribes, local government

Local governments, individual homeowners

Eligibility determined based upon daily unlinked passenger trips (ridership) and transit systems that serve historically eligible Urban Area Security Initiative (UASI) jurisdictions.

Tribes

States, tribes (including Alaska Native Villages) Households

States, entitled cities and counties, non-entitled Hawaii counties, insular areas, colonias, communities

Individuals

Nonprofit

Academic, non-profit, governmental, or private sector (opportunity specific)

Nonprofits, agencies, institutions, and/or businesses, with a shared focus on water quality restoration and protection

Non-profit, states, tribes, local governments, municipal governments, academic, commercial (for profit) organizations

Local government; nonprofits; for-profit entities
Public water/wastewater systems (municipalities, counties, special purpose districts, tribes, nonprofit corporations and cooperatives) serving up to 10,000 persons, or in rural areas with no population limits
K-12 public and independent schools and school systems; institutions of higher education; community-based and nonprofit organizations; regional, state or local government agencies; interstate agencies; and tribes.

Cannot access website for details due to shutdown

Academic organizations, nonprofits, commercial (for profit) organizations, state, local government, tribes

State or territorial CMP approved by NOAA pursuant to the Coastal Zone Management Act

State and territory Coastal Zone Management Programs

Academic organizations, nonprofits, commercial (for profit) organizations, state, local government, tribes

Academic organizations, other non-profits, local government, tribes, for-profit organizations

Academic organizations, other non-profits, state, local, tribes, for-profit organizations

Academic organizations, non-profits, commercial (for profit) organizations, foreign public entities and organizations, states, tribes, local governments

Nonprofit

Nonprofit

Nonprofit; local government

Small for-profit business; nonprofit; homeowner; renter

Nonprofit

Land trusts, nonprofits, and research institutions doing work in Idaho, Oregon and Washington.

Varies

Varies

State, regional government, local government, tribe

State, local government

State, regional government, local government, tribe
or guaranteed loan, nonprofit utilities that are eligible to receive assistance from the Rural Development Electric or Telecommunication Programs; or current Rural Development Electric or Telecommunication Programs borrowers

Local businesses

Agricultural producers; for-profit small businesses in rural areas
grant college or university or other higher education institution; public power entity; instrumentality of state, local, or tribal government; Resource Conservation & Development Council

Agricultural producers and rural small businesses

Rural area public bodies, community-based nonprofits, tribes

Private lenders

Eligible borrowers: public bodies, community-based nonprofits, tribes

Landowners

Counties, towns, conservation districts, flood and water control districts, tribes, tribal organizations
Public and private landowners

Agricultural producers

Landowners; agricultural producers

Owners of non-industrial private forests

Publicly-sponsored watershed projects up to 250,000 acres that are directly related to agriculture, including rural communities, that are at least 20 percent of the total benefits of the project

Land-grant institution extension services in the 50 states, American Samoa, Guam, Micronesia, Northern Marianas, Puerto Rico, and the U.S. Virgin Islands for populations under 20,000

States, local government, tribes, private nonprofits in eligible areas (rural areas and towns with populations of 10,000 or less, rural tribal lands, colonias)

Local fire departments in rural communities

Local communities

States

Nonprofit

Intent	Website
<p>Focus on five broad opportunities for youth; science and the environment; healthcare; services for the elderly and disabled; and community culture. Climate change is at the forefront of the environmental focus area.</p> <p>Impactful initiatives designed to deliver engaging messages, raise awareness and trigger action in the audiences addressed, such as students, consumers, business or politicians.</p>	<p>http://ayrshirefoundation.org/</p> <p>https://www.bestclimatesolutic</p>
<p>Support tribes preparing for extreme events and harmful environmental trends that impact tribal treaty and trust resources, economies, infrastructure, and human health and safety.</p> <p>Lead and national governments, policy makers, and academic groups to advance evidence-based conservation practices and implement data-driven fisheries management policies around the world.</p>	<p>https://www.bia.gov/bia/ots/tribal-resilience-program</p> <p>https://www.bloomberg.org/pr</p>
<p>Identifying high potential pay-off opportunities to exert unusual leverage. It has a special interest in demonstrating innovative approaches that promise to solve multiple problems simultaneously."</p>	<p>http://www.bullitt.org/grants/g</p>
<p>Area. Environmental initiatives include addressing the freshwater challenge, transforming development finance, advancing climate change solutions, and special initiatives.</p>	<p>https://www.mott.org/</p>
<p>combination of learning in the classroom and outdoors which culminates in students addressing their issue through an action project in their school or community.</p>	<p>https://cbtrust.org/grants/environmental-education/</p>
<p>number and amount of green spaces in urban areas, improve the health of local streams and the Chesapeake Bay, and enhance quality of life and community livability.</p>	<p>https://cbtrust.org/grants/gree</p>
<p>activities that demonstrate restoration techniques and engage Maryland citizens in the restoration and protection of the Chesapeake Bay and its rivers.</p>	<p>https://cbtrust.org/grants/outreach-and-restoration/</p>
<p>access to existing resources that support climate change adaptation and resilience activities and outcomes for communities and regions in the U.S.</p>	<p>http://climateresiliencefund.org</p>
<p>Extensive scope of grantmaking targets in the areas of climate, oceans, land, science, organizational effectiveness, children, families, and communities, and more</p>	<p>https://www.packard.org</p>

environmental protection, state of good repair, innovation, partnership, and additional non-Federal revenue for infrastructure investments.

<https://www.transportation.gov>

compete with industry by performing activities typically performed by consultants/contractors, nor is it intended to provide skills/job training or field general inquiries.

<https://www.energy.gov/indian>

energy solutions through regional networks, strategic energy planning, executive orders, legislation and local ordinances, management of local retrofits, and land-use plans.

<https://www.energy.gov/eere/wipo/state-energy-program-guidance>

advance tribal energy projects at no cost. The goal is to address a specific challenge or fulfill a need that is essential to a current project's successful implementation.

<https://www.energy.gov/indianenergy/technical-assistance>

Perform weatherization services for low income families.

<https://www.energy.gov/eere/wap/about-weatherization-assistance-program>

conservation in an era of climate change; wildlife and energy development; environmental stewardship in the tri-state area; and, strengthening the conservation field.

<https://www.ddcf.org/what-we>

control initiatives; disaster assistance; natural and cultural resources; capacity building; public safety/emergencies; health initiatives; and invasive species management.

<https://www.doi.gov/oia/financial-assistance>

highway, bridge and tunnel projects on any public road, pedestrian and bicycle infrastructure, and transit capital projects, including intercity bus terminals.

<https://www.fhwa.dot.gov/spe>

America's ability to compete in the global marketplace. Develop initiatives that advance new ideas and creative approaches to address rapidly evolving economic conditions.

<https://www.eda.gov/funding-c>

Provide technical assistance, financial assistance, education, training, technology transfer, demonstration projects, and regulatory support.

<https://www.epa.gov/nps/319->

Restoration, Silviculture, Desalination, Groundwater Protection and Restoration, Surface Water Protection and Restoration, Planning/Assessment.

<https://www.epa.gov/cwsrf>

Facilitate compliance with national primary drinking water regulations or otherwise significantly advance the public health protection objectives of the Safe Drinking Water Act.

<https://www.epa.gov/drinkingw>

understand local environmental and public health issues and develop strategies for addressing those issues, building consensus in the community, and setting community priorities.

<https://www.epa.gov/environr>

support sustainable communities that protect the environment, economy, and public health and to inspire local and state leaders to expand this work elsewhere.

<https://www.epa.gov/smartgro>

Support projects that address urgent and challenging issues that threaten the ecological and economic well-being of coastal and estuarine areas.

<https://www.epa.gov/nep/natic>

Accelerates investment in the nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects.

<https://www.epa.gov/wifia>

investigations, experiments, training, demonstrations, surveys, and studies relating to the causes, effects, extent, prevention, reduction, and elimination of water pollution.

<https://www.epa.gov/wetlands>

building state and community floodplain management expertise and capability and leveraging state knowledge and expertise in working with their communities.

<https://www.fema.gov/community-assistance-program-state-support-services-element>

and property in the United States from hazards and to vest responsibility for emergency preparedness jointly in the Federal Government and the states and their political subdivisions.

<https://www.fema.gov/emerge>

Support mitigation, management, and control of fires on publicly or privately owned forests or grasslands, which threaten such destruction as would constitute a major disaster.

<https://www.fema.gov/assistance/public/fire-management-assistance>

Reduce or eliminate claims under the National Flood Insurance Program (NFIP).

<https://www.fema.gov/flood-m>

tribe, or territory requested by the Governor or Tribal Executive, with the goal of enacting mitigation measures that reduce the risk of loss of life and property from future disasters.

<https://www.fema.gov/hazard->

Support the building, sustainment, and delivery of core capabilities essential to achieving the National Preparedness Goal of a secure and resilient nation.

<https://www.fema.gov/homeland-security-grant-program>

Provide financial assistance to states for strengthening their dam safety programs.

<https://www.fema.gov/national>

Provide financial assistance, providing affordable insurance to property owners, renters and businesses and by encouraging communities to adopt and enforce floodplain management regulations.

<https://www.fema.gov/national>

Provide financial assistance, support maritime security training and exercises; and to maintain or reestablish maritime security mitigation protocols that support port recovery and resiliency capabilities.

<https://www.fema.gov/port-security-grant-program>

Support emergency work, permanent work, or "special considerations" such as hazard mitigation.

<https://www.fema.gov/assistance/public>

Supports proactive investment in community resiliency and mitigation efforts in preparation for an extreme weather event

<https://www.fema.gov/grants/mitigation/building-resilient-infrastructure-communities>

Protect critical surface transportation infrastructure and the traveling public from acts of terrorism and to increase the resilience of transit infrastructure.

<https://www.fema.gov/transit-security-grant-program>

Support the efforts of tribes to build and sustain core capabilities across the Prevention, Protection, Mitigation, Response, and Recovery mission areas.

<https://www.fema.gov/tribal-homeland-security-grant-program>

Support the efforts of tribes, particularly those with the lowest incomes that pay a high proportion of household income for home energy, primarily in meeting their immediate home energy needs

<https://www.acf.hhs.gov/ocs/resource/liheap-fact-sheet-0>

Ensure decent affordable housing, to provide services to the most vulnerable in our communities, and to create jobs through the expansion and retention of businesses.

https://www.hud.gov/program_offices/comm_planning/communitydevelopment/programs

Support disaster relief and recovery assistance in the form of special mortgage financing for rehabilitation of impacted homes.

<https://www.hud.gov/info/disaster>

that everyone has access to clean, safe, affordable drinking water, and including perspectives from communities impacted by water issues in policy decisions.

<http://www.joycefdn.org>

occurs under 3 focus areas, including building capacity and commitment, strengthening the evidence base and developing tools, and transforming key urban systems.

<https://kresge.org/opportunitie>

benefit local communities; and accelerating innovation on cross-cutting issues to drive down the cost of recovery and accelerate the pace of restoration.

<https://www.nfwf.org/chesape>

improving water quality and recreational opportunities; enhancing the ecological integrity and functionality of coastal and inland ecosystems

<https://www.nfwf.org/coastalr>

Support conservation projects that strengthen natural systems at a scale that will protect coastal communities from the future impacts of storms, floods and other natural hazards.

<https://www.nfwf.org/coastalr%20and%20other%20natural%20hazards.&text=The%20ECRF%20seeks%20to%20fund,in%20and%20around%20impacted%20areas>

Address the unique needs of small water and wastewater utilities by funding short-term repair costs, small capital projects, or pre-development costs associated with larger projects.

<https://nrwa.org/initiatives/rev>

Promote locally relevant, experiential learning in the K-12 environment.

<https://www.noaa.gov/office-e>

Outcomes of COCA projects inform the response and coping capacity of decision-making and management communities to climate variability and change.

<http://cpo.noaa.gov/Meet-the-Divisions/Climate-and-Societal-Interactions/COCA/About-COCA>

contribute to the recovery and conservation of protected resources, promote healthy ecosystems, and yield community and economic benefits.

<https://www.fisheries.noaa.gov>

focus on the following national enhancement area priorities: Hazards, and Ocean and Great Lakes Resources (with a focus on comprehensive planning).

<https://coast.noaa.gov/czm/enhancement/>

The Office of Ocean and Coastal Resource Management (OCRM) provides federal funding and technical assistance to better manage our coastal resources.

<https://coast.noaa.gov/czm/ab>

contribute to the recovery and conservation of protected resources, promote healthy ecosystems, and yield community and economic benefits.

<https://www.fisheries.noaa.gov>

Northern Mariana Islands, Florida, Guam, Hawaii, Puerto Rico, the U.S. Virgin Islands, and coral dominated banks in the U.S. portions of the Gulf of Mexico.

<https://coast.noaa.gov/funding/pdf/NOAA-NOS-OCM-2019-2005879-posted-11.19.2018.pdf>

dynamic physical and biological processes capable of evaluating vulnerability and resilience under multiple SLR, inundation, and management scenarios.

<https://coastalscience.noaa.gov>

Lakes Restoration Initiative goal to protect and restore habitats to sustain healthy populations of native fish species in the eight U.S. Great Lakes states.

<https://www.fisheries.noaa.gov>

to qualified non-profits for the acquisition of land or conservation easements on climate-resilient lands, capitalized with a grant from the Doris Duke Charitable Foundation.

<https://www.openspaceinstitut>

and nature thrive together, through investments in three areas: climate and energy (reducing black carbon, methane, and hydrofluorocarbons), environmental education, and water.

<https://piscesfoundation.org/w>

necessary repairs and improvements needed to maintain an uninterrupted supply of safe drinking water and wastewater disposal for their customers.

<https://www.communitiesu.org/index.php/How-We-Help/water-waste-water-loans.html>

Rebuild damaged facilities, with additional loans for mitigation assistance to prevent future loss of the same type.

<https://www.sba.gov/funding-programs/disaster-assistance>

Foster sustainable communities guided by principles of social justice and distinguished by healthy environments, strong local economies, and thriving cultures.

<https://surdna.org/grants-data>

relevant climate science tools, with particular emphasis on the application of The Nature Conservancy's terrestrial resilience and connectivity science.

<http://www.conservationgateway>

without additional project specific congressional authorization. The purpose of the CAP is to plan and implement projects of limited size, cost, scope and complexity

<https://www.nae.usace.army.mil/Missions/Public-Services/Continuing-Authorities-Program/>

authorized shore protective works threatened or damaged by coastal storm, and provisions of emergency water due to drought or contaminated source.

www.usace.army.mil/Missions/Emergency-Operations/National-Response-Framework/Flood-Control/

flooding; information on natural and cultural flood plain resources; and flood loss potentials before and after the use of flood plain management measures.

<https://www.nae.usace.army.mil/Management/Flood-Risk-Management-Program/Partners-in-Shared-Responsibility/State-and-Local/>

responsibility. The Flood Risk Management program aims to leverage resources and develop partnerships across levels of government.

Prepare comprehensive plans for the development, utilization, and conservation of water and related land resources.

<https://www.nae.usace.army.mil/>

Create and retain employment in rural areas.

<https://www.rd.usda.gov/progr>

make energy efficiency improvements. Agricultural producers may also apply for new energy efficient equipment and new system loans for agricultural production and processing.

<https://www.rd.usda.gov/programs-services/rural-energy-america-program-renewable-energy-systems-energy-efficiency>

Conduct energy audits, renewable energy technical assistance or site assessments.

<https://www.rd.usda.gov/programs-services/rural-energy-america-program-energy-audit-renewable-energy-development-assistance>

Provide affordable funding to develop essential community facilities in rural areas.

<https://www.rd.usda.gov/progr>

airport hangars, street improvements), community support services, public safety services, educational services, utility services, and local food systems

<https://www.rd.usda.gov/progr>

include the use of structural and non-structural practices to restore the flow and storage of floodwaters, control erosion, and to improve management of the easement.

<https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/landscape/ewpp/>

eroded streambanks; correct damaged drainage facilities; establish vegetative cover on critically eroding lands repair levees and structures; and repair conservation practices.

<https://www.nrcs.usda.gov/wp>

Repair damage to farmlands caused by natural disasters and to help put in place methods for water conservation during severe drought.

<https://www.fsa.usda.gov/programs-and-services/conservation-programs/emergency-conservation/index>

promote conservation practices to protect land from erosion, support disaster recovery and repair, and mitigate loss from future natural disasters.

https://www.nrcs.usda.gov/Internet/FSE_MEDIA/nrcseprd1429025.pdf

Restore forest health damaged by natural disasters support projects related to soil conservation; flood prevention; conservation, development, utilization and disposal of water; and conservation and proper utilization of land.

<https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/emergency-forest-restoration/index>

Enable families, communities, and businesses to successfully prepare for, respond to and cope with disaster losses and critical incidents.

<https://www.nrcs.usda.gov/wp>

and storm water drainage to households and businesses in eligible rural areas that are not otherwise able to obtain commercial credit on reasonable terms.

<https://nifa.usda.gov/funding-o>

<https://www.rd.usda.gov/programs-services/water-waste-disposal-loan-grant-program>

Train and equip fire departments in rural areas, defined as having a population of 10,000 or less

<https://www.fs.usda.gov/naspf>

other priority species; building conservation partnerships that leverage resources and promote community stewardship of fish and wildlife resources.

<https://www.fws.gov/coastal/a>

Protect, restore and enhance coastal wetland ecosystems and associated uplands.

<https://www.fws.gov/coastal/C>

Support implementation of science-driven, on-the-ground actions that assist wildlife and ecosystems to adapt to climate change at a landscape scale.

<https://www.wcsclimateadapta>

Two grant cycles per year; approximately \$500,000 awarded per cycle.

... a Mott-planned national demonstration or network of grants, or grants for capital development, research, project replication or endowment unless these activities grow out of work already being funded by Mott.. No grants provided for projects that duplicate, or significantly overlap, the work of federal, state or local governmental agencies.

Applicants must be based in, or work in close partnership with, one or more organizations located within the US Atlantic coastal region stretching from New Jersey to Georgia. CRF encourages applications from nonprofit organizations, university-based institutions, or collaborations of public-private entities with an appropriate nonprofit fiscal agent.

The Foundation also makes program-related investments through loans, loan guarantees, and equity investments (<https://www.packard.org/wp-content/uploads/2016/04/MI-Program-Overview-FINAL.pdf>)

Funds are available in form of technical analysis, financial analysis and strategic energy planning.

Funding is available for the U.S. territories of Guam, American Samoa, the U.S. Virgin Islands and the Commonwealth of the Northern Mariana Islands, as well as three freely associated states (FAS); the Federated States of Micronesia, the Republic of the Marshall Islands, and the Republic of Palau

EDA Programs include: Investment for Public Works and Economic Development Facilities; Economic Adjustment Assistance; Economic Development Disaster Supplemental Funding; Economic Development Support for Planning Organizations;

Funding allocated to states (based on an established national allocation formula) to provide competitive grant fu

Set-aside funding for tribes administered by EPA; states can also set aside specified percentages of capitalization grants to administer their program, provide technical assistance, and other support. Some states restrict funding to privately owned water systems.

Existing infrastructure intended to catalyze or complement a larger planning process for the pilot neighborhood. Additionally, these pilots are often the testing ground for citywide actions, such as changes to local codes and ordinances to better support environmentally sustainable growth and green infrastructure. The design team and EPA, along with partners from other federal agencies, also help city staff develop specific implementation strategies.

\$20 million minimum project size for large communities. \$5 million minimum project size for small communities (population of 25,000 or less). 49% maximum portion of eligible project costs that WIFIA can fund. Total federal assistance may not exceed 80% of a project's eligible costs.

FEMA Regional Offices and the designated state agency negotiate a CAP-SSSE Agreement that specifies activities and products to be completed by a state in return for CAP-SSSE funds. There is a 25 percent non-federal match for all states receiving CAP-SSSE funds.

Individual homeowners, businesses, private nonprofits, local governments/communities must have applications sponsored by eligible applicant

HSGP comprises three grant programs: State Homeland Security Program (SHSP), Urban Area Security Initiative (UASI), and Operation Stonegarden (OPSG). These programs fund a range of preparedness activities, including planning, organization, equipment purchase, training, exercises, and management and administration across all core capabilities and mission areas.

FEMA can also offer coverage for increased cost of compliance. Information is available at: <https://www.fema.gov/increased-cost-compliance-coverage>

Local governments are eligible Subapplicants and can sponsor applications on behalf of homeowners to submit to the Applicant.

Specific eligibility requirements are included under 6 U.S.C. § 601(4)

Community Development Block Grant Disaster Recovery funding is provided following Presidential disaster declaration; no annual appropriation - authority provided via supplemental appropriation.

Program-related investments may take the form of direct loans, guarantees that provide credit support to borrowers, linked deposits, or equity investments.

Funding awarded through two programs, the Innovative Nutrient and Sediment Reduction Grant Program and the Small Watershed Grants Program.

Partnership between NFWF and NOAA

For-profit organizations, foreign organizations, and foreign public entities are not eligible to apply; however, for-profit and foreign organizations and foreign public entities may participate as a project partner with an eligible applicant. Federal agencies are not allowed to receive funds under this announcement but may serve as collaborative project partners and may contribute services in kind. Individuals are not eligible to apply.

1:1 match required. Projects may be proposed in the Northwestern Hawaiian Islands and the U.S. Pacific Remote Island Areas, but these locations are not considered geographic priorities.

Federal agencies that possess the statutory authority to receive transfers of funds are eligible to submit applications for intra- or interagency funds transfers through this competition.

Grants may be used to acquire permanent conservation easements and fee interest in land. In exceptional cases, grants may be applied to cover transactional costs, including cost of appraisals, surveys, title, and environmental assessments. The Fund may also provide short-term low-interest loans for projects that require bridge financing and that meet the grant criteria.

Assistance provided through Communities Unlimited, RCAP's southern regional office.

PAS assistance is cost shared on a 50 percent Federal and 50 percent non-Federal basis. The study sponsor has the option of providing in-kind services up to 100 percent of its share of the study cost.

Rural areas including cities, villages, townships and towns including Federally Recognized Tribal Lands with no more than 20,000 residents. Funding can be provided in the form of grants, low interest direct loans, or a combination of the two.

.....
compensation for the value of the easement. (3) A voluntary written offer by the landowner. When the landowner applies for the easements, he or she may voluntarily offer to accept less compensation than NRCS would offer. This may enhance the probability of the easement becoming enrolled. An offer to accept a lower compensation amount will be documented in writing on the ranking factors worksheet.

Landowners apply via sponsor. NRCS can pay up to 75 percent of the cost for eligible emergency projects. Local sponsors must acquire the remaining 25 percent in cash or in-kind services.

FSA county committees determine land eligibility based on on-site inspections of damaged land and the type and extent of damage.

More information on land that qualifies for participation in EQIP is available at:
https://www.nrcs.usda.gov/wps/portal/nrcs/detail/ny/programs/financial/eqip/?cid=nrcs144p2_027069#:~:text=The%20land%20being%20offered%20for,forest%2Drelated%20products%20are%20produced.

The FSA County Committee inspects the damage to determine if forest land is eligible for EFRP.

100% match required

Funds provided in the form of long-term, low-interest loans, combined with grants if necessary to keep user costs reasonable.

unding to subawardees for nonpoint source pollution reduction efforts.