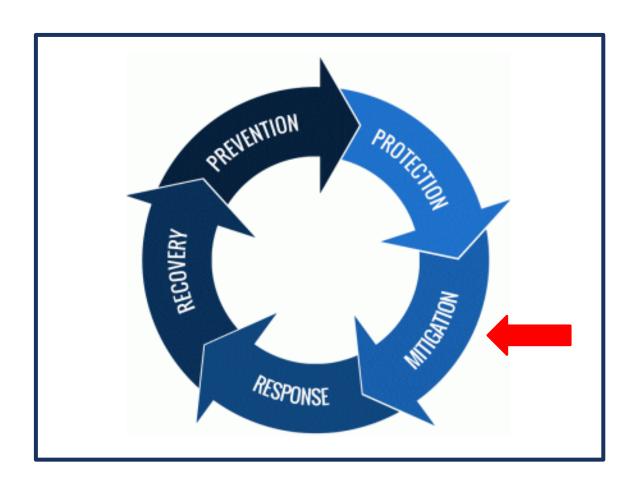


CLIMATE CHANGE AND HAZARD MITIGATION

ANNE FUCHS, STATE HAZARD MITIGATION OFFICER
MAINE EMERGENCY MANAGEMENT AGENCY

HAZARD MITIGATION



Mitigation is the effort to reduce loss of life and property by lessening the impact of disasters.

- * Plans
- * Projects

What does hazard mitigation and emergency management have to do with climate adaptation?

https://www.pressherald.com/2018/03/04/storm-stoked-high-tides-hit-maine-coast-hard-for-3rd-day/?jwsource=cl



SACO SEVERE STORM & FLOODING – APRIL 17, 2007

PHOTO CREDIT:

ROBERT F. BUKATY
ASSOCIATED PRESS

SACO SEVERE STORM & FLOODING— APRIL 17, 2007

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SACO SEVER STORM & FLOODING-APRIL 17, 2007

PHOTO CREDIT:

ROBERT F. BUKATY
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SACO SEVERE STORM & FLOODING -FEBRUARY 2010

PHOTO CREDIT:

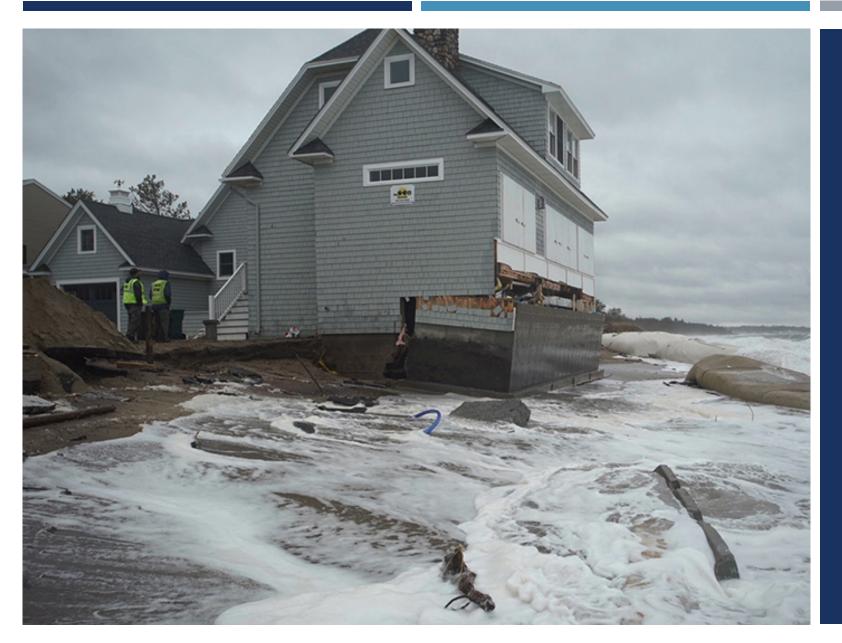
GREGORY REC
PORTLAND PRESS HERALD



SACO SEVERE STORM & FLOODING – MARCH 4, 2018

PHOTO CREDIT:

GREGORY REC
PORTLAND PRESS HERALD



SOUTH
PORTLAND
SEVERE STORM &
FLOODINGMARCH 1, 2018

PHOTO CREDIT:

GREGORY REC
PORTLAND PRESS HERALD

MAINE STATE HAZARD MITIGATION PLAN

2018

Abstrac

"Natural hazard mitigation planning is a process used by state, tribal, and local governments to engage stakeholders, identify hazards and vulnerabilities, develop a long-term strategy to reduce risk and future losses, and implement the plan, taking advantage of a wide range of resources."

Maine Emergency Management Agency
45 Commerce Dr. Augusta, ME 04333

Identifying Natural Hazards §201.4(c)(2)(i)

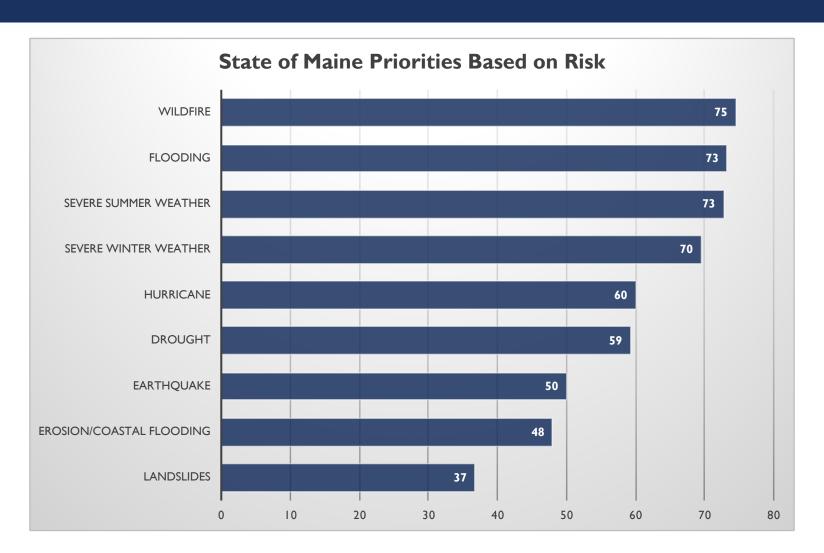
"NATURALIOHAZARDpes MITIGATION PLANNING IS A PROCESS USED BY STATE, ENGAGE STAKEHOOLDERS, VULNER ABILITIES, DEVELOP A LONG-TERMOTRATEGY TO RED Previous Occurrences
Occurrence RISK AND FUTURE LEOSSES, AND HANDLE MEIN TAST HAS BLAN, TAKING ABVÁNTAGE OF A WIDE RANGE ASSESSMENT
Multi-jurisdictional (County) Risk Assessments
RESOURGE Sility Assessment

FEMA

Potential Losses §201.4(c)(2)(iii)

Vulnerable Structures
Estimated Potential Losses

MAINE STATE HAZARD MITIGATION PLAN – 2018 UPDATE



HOW ARE LOCAL, STATE, AND FEDERAL AGENCIES ADDRESSING CLIMATE CHANGE?

- Maine Forest Service (MFS) monitors forest health, U.S Geological Survey (USGS) monitors groundwater
- Maine Department of Transportation (DOT) upgrades and/or elevates roads, stabilizes banks, and rip-rap when funds are available
 - Host Local Road Center Workshops for local officials annually
 - Maine Department of Agriculture, Conservation, and Forestry's (DACF) Floodplain Management Program provides:
- Technical Assistance, Floodplain modeling for municipalities, hosts trainings for local officials, & manages the National Flood Insurance Program
 - U.S.Army Corps of Engineers (USACE) has completed and distributed Hurricane Surge Inundation Maps
 - FEMA, MEMA, USACE, & Maine Geological Survey have mapped Sea, Lake, & Overland Surges from Hurricanes (SLOSH)
 - **FEMA, MEMA, & USACE** updating the Hurricane Evacuation Plan
 - **FEMA's** Risk Map Program has produced and distributed digital floodplain maps (southern counties in update status)
 - MEMA, USGS, NWS, USCG, and County EMA support Drought Task Force & River Flow Advisory Commission
- Department of Environmental Protection (DEP) maintains Storm Water Management, Shoreland Zoning, & Erosion & Sediment Control Programs
 - National Oceanic and Atmospheric Administration (NOAA) has created the "Sea Level Rise Viewer" Program
 - NOAA has awarded \$200,000 to the Maine Coastal Program (DMR) to study vulnerable areas around Penobscot Bay
 - Maine Coastal Program manages the Maine Coastal Mapping Initiative & Coastal Community Planning Program
 - LD 565 An Act To Establish the Maine Coastal Risks and Hazards Commission
 - Maine Interagency for Climate Adaptation Work Group

HOW CANYOU MITIGATE RISK ASSOCIATED WITH CLIMATE CHANGE?

Maine Emergency Management Agency

Hazard Mitigation Grant Program, Pre-Disaster Mitigation Grant & Flood Mitigation Assistance

Maine Department of Environmental Protection

Stream Crossing Upgrade Grant Program

Office of Community Development

Community Development Block Grant Program

Northern Border Regional Commission

Economic Infrastructure, State Planning, & General Planning Grants

National Fish and Wildlife Foundation

National Coastal Resiliency Fund

U.S. Economic Development Administration

Disaster Supplemental Funding

I ITH ANNUAL MAINE PARTNERS IN EMERGENCY PREPAREDNESS CONFERENCE

AUGUSTA CIVIC CENTER TUESDAY APRIL 23, 2019

PREPARES

https://www.eventbrite.com/e/maine-partners-in-emergency-preparedness-conference-2019-tickets-53310283493