COMMUNITY RESILIENCE IN COASTAL NEW HAMPSHIRE

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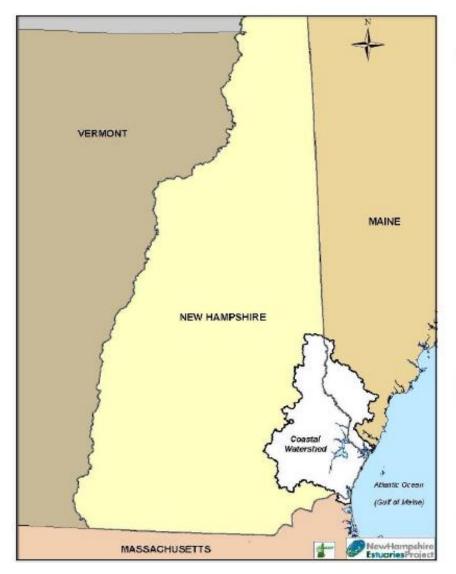
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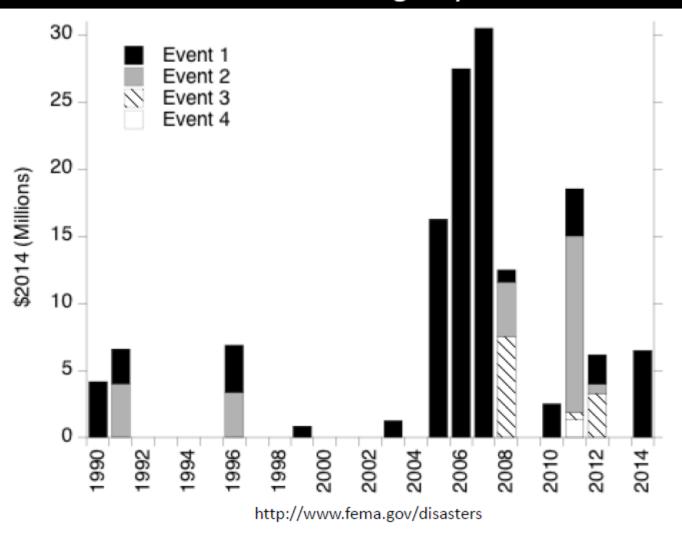




Coastal Hazard Vulnerability Concerns in New Hampshire



Federal Expenditures on FLOOD RELATED Presidentially Declared Disasters And Emergency Declarations in NH



Vulnerability Highlights

Tides to Storms (RPC, 2015)

FIGURE 5. Illustration of the extent of flooding from three sea-level rise scenarios in the Hampton-Seabrook estuary.

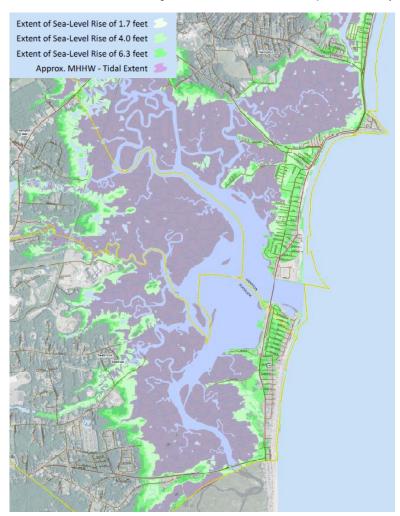
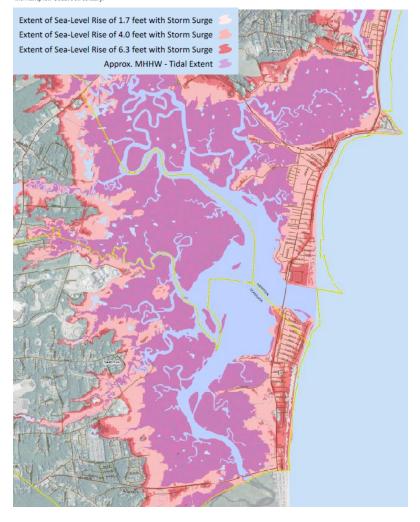
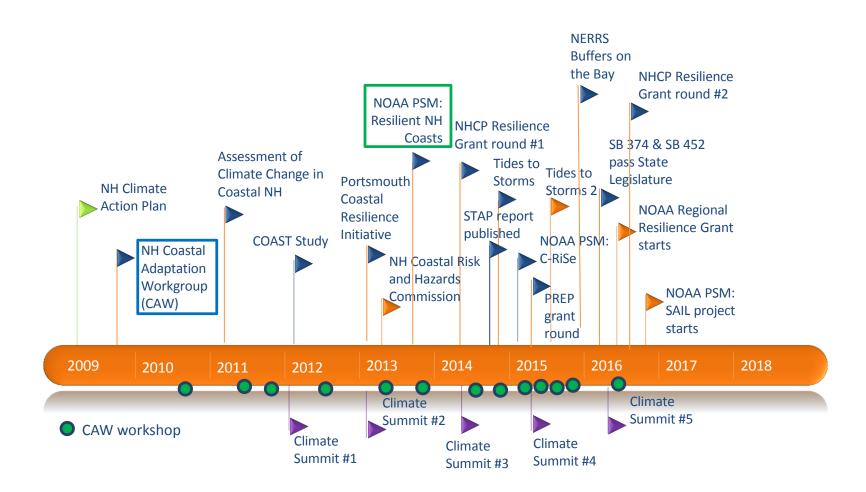


FIGURE 6. Illustration of the extent of flooding from three sea-level rise scenarios with a 100-year/one-percent-annual-chance storm surge in the Hampton-Seabrook estuary.





NH Coastal Adaptation Workgroup (CAW)

nhcaw.org



































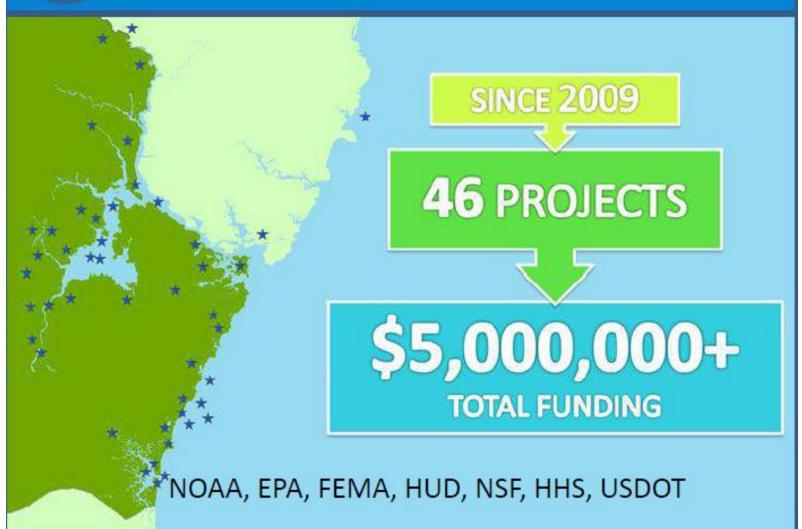








CAW RELATED PROJECTS



Recognizing Climate Adaptation Champions



Preparing for Climate Change: Rye

Workshop #1 – The Climate Café

Climate change presentation, question & answer, small group discussion, prioritization



Workshop #2 – What Tools Are Available?

Overview of planning and regulatory tools for adaptation (e.g., how to incorporate climate change into master plan, zoning, subdivision and site plan).



Workshop #3 - A Field Trip to Rye's Salt Marshes

Learning how salt marshes protect Rye from storm surge, and how sea-level rise affects salt marshes.



Workshop #4 – Transitioning into Next Steps

Connecting the <u>local</u> "Preparing for Climate Change in Rye" project into an upcoming <u>regional</u> project.









Funded by NOAA OCM To learn more: http://www.town.rye.nh.us/

Preparing for Climate Change: Dover

Workshop #1 - The Climate Café

Climate change presentation, question & answer, small group discussion, prioritization



Workshop #2 – Green Infrastructure, Land Use Regulations, and Community Gardens

Overview of what Green Infrastructure is, what the City's land use regulations are and how they fit with climate change, and what community gardens are in Dover (mitigation!)



Workshop #3 – Working Groups

Working groups developed action items to address the priority areas



Workshop #4 – Working Groups, next steps

Working groups continued to identify action items, and a citizen's group continued to meet quarterly to shepherd the action items into City policies and plans

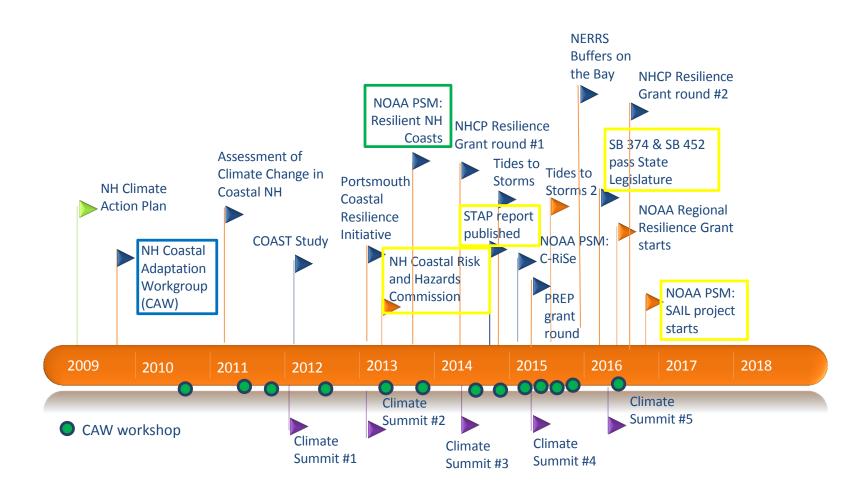






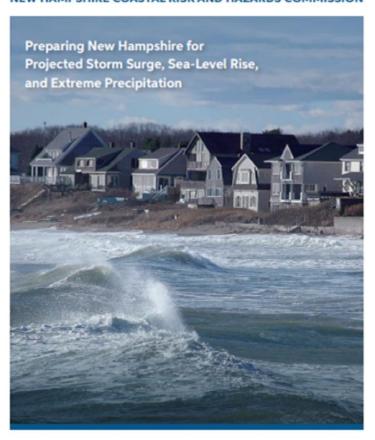


Funded by NOAA OCM To learn more: http://www.dover.nh.gov



NEW HAMPSHIRE COASTAL RISK AND HAZARDS COMMISSION

NEW HAMPSHIRE COASTAL RISK AND HAZARDS COMMISSION



Draft Report and Recommendations for Public Comment

March 18, 2016

Coastal Risk and Hazards Commission

- SENATE BILL 163 // RSA Chapter 483-E (eff. July 2, 2013)
- CLEAR MISSION: "...to recommend legislation, rules, and other actions to prepare for projected sea-level rise and other coastal and coastal watershed hazards such as storms, increased river flooding, and storm water runoff, and the risks such hazards pose to municipalities and state assets in New Hampshire..."
- BROAD-BASED MEMBERSHIP (37 appointees):
 - 4 General Court Members (2 Senators; 2 House Reps.)
 - Reps. from 17 Coastal Zone Municipalities
 - State Agency Designees:

NHDES

NH Fish & Game

DRED

NHDOT

Other Stakeholders:

Seacoast Board of Realtors

NH Sea Grant

NH PRIMEX³

NH Homebuilders Association

Div. of Public Works Design & Construction (DAS)

Div. of Parks and Recreation (DRED)

Div. of Historical Resources (DCR)

Office of Energy and Planning

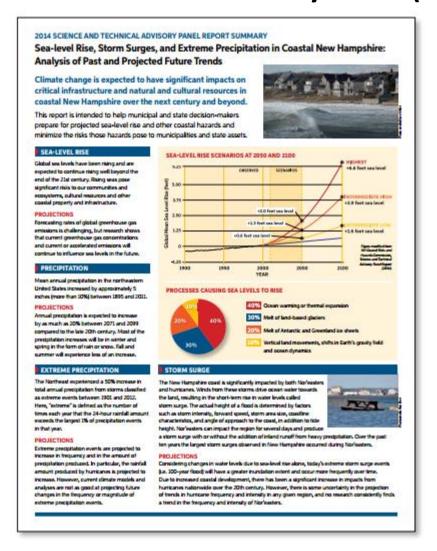
University of New Hampshire NH Municipal Association Rockingham Planning Commission Strafford Regional Planning Commission



• SUNSET: December 1, 2016

Understanding What We're Facing

2014 Science and Technical Advisory Panel (STAP) Report



Understanding What We Need to Do

Our Guiding Principles



Our Goals, Recommendations, and Actions

SAIL: Four Goals for a Resilient Coast



Goal 1: SCIENCE

Research, understand, establish, and use the best available science about current and future coastal hazards in New Hampshire relating to storm surge, sea-level rise, and extreme precipitation



Goal 2: ASSESSMENT

Identify assets and resources within our economy, our built landscape, our natural resources, and our heritage that are vulnerable to storm surge, sea-level rise, and extreme precipitation; understand the scope of that vulnerability; and evaluate existing statutes, ordinances, rules and regulations, policies, programs, and plans to determine whether changes should be made to reduce vulnerabilities.



Goal 3: IMPLEMENTATION

Identify and implement strategies that will enable the State and coastal municipalities to effectively protect, adapt, and sustain our current and future economy, built landscape, natural resources, and heritage.



Goal 4: LEGISLATION

Recommend timely considerations for legislation that leads to actions, both immediate and long-term, that reduce and/or eliminate vulnerability and result in adaptation to existing and future coastal hazards.

Understanding What We've Done Already & What's Next...

- ✓ Senate Bill 374 passed Legislature: Requiring DES to coordinate update to science every 5 years
- ✓ Senate Bill 452 passed Legislature: Requiring some state agencies to conduct audit of regs and rules and use STAP as guidance
- ➤ NOAA Project of Special Merit 2016-2018: Carrying out SAIL (science, assessment, implementation, legislation)
- Some "in-the-ground" pilot living shoreline demonstration projects are in the work
- □ Need to continue creating local champions through trusted partnership groups & tailored technical assistance
- Need improvements in the range of uncertainty re: timing and magnitude
- Need funding to get beyond planning and design
- Need assistance dealing with some major legal/policy questions

Questions?



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Program

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