

# FY25 Coastal Resilience Grant Program

Pre-RFR Information Webinar  
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# Agenda

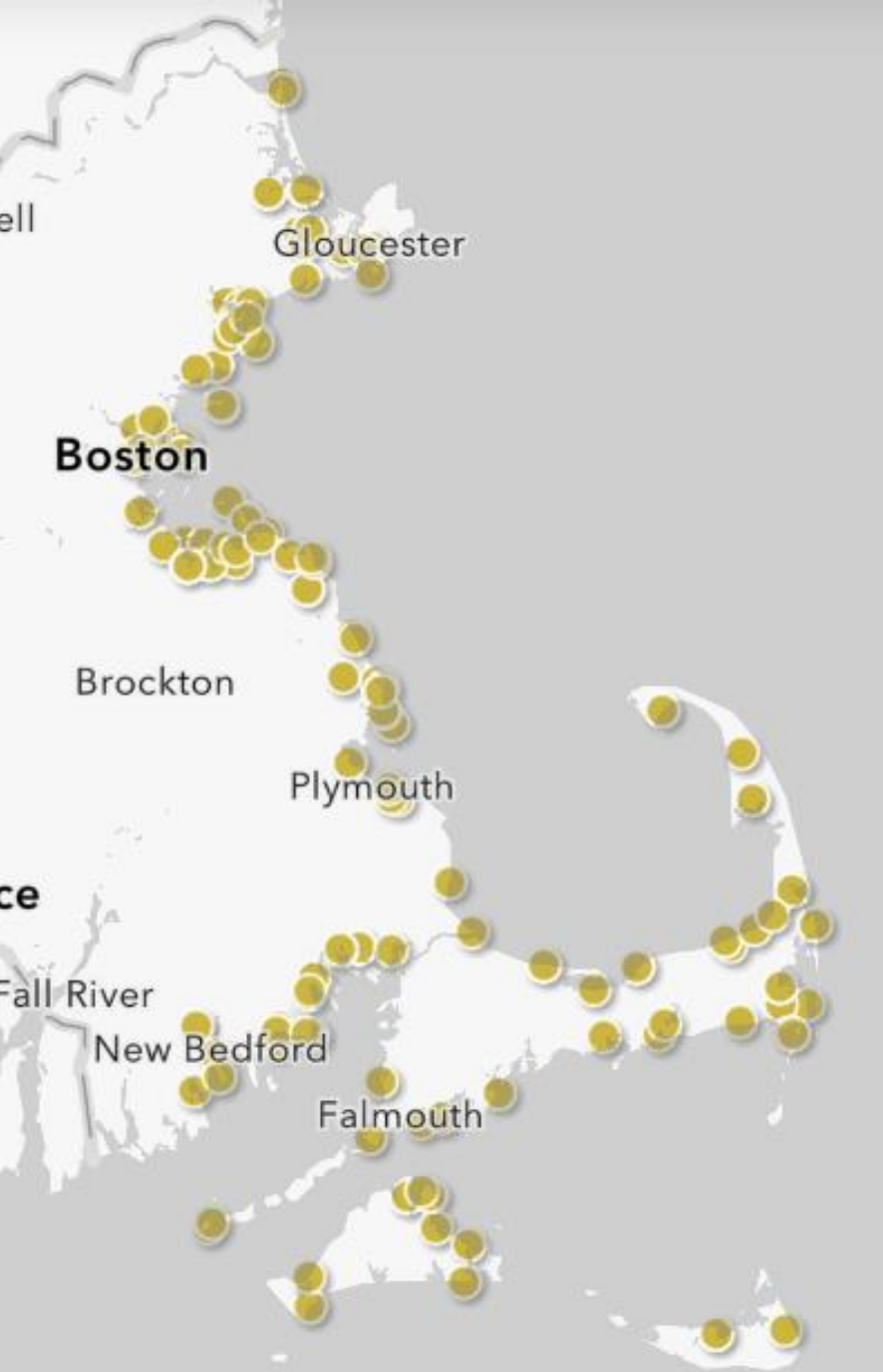
- Grant Program
  - Goals
  - Applicant and Project Eligibility
  - Anticipated Timeline
  - Evaluation Criteria
  - Resources
- Spotlight on key themes:
  - Regional projects and partnerships
  - Support for Environmental Justice neighborhoods
  - Reducing exposure to facilities and infrastructure
- Tips for Developing Competitive Applications
- Question and Answers
- Discussion of project ideas – Regional break-out rooms
  - North Shore (Kathryn Glenn)
  - Boston Harbor (Joanna Yelen)
  - South Shore (Jason Burtner)
  - South Coast (Sam Haines)
  - Cape and Islands (Steve McKenna)



# Coastal Resilience Grant Program Goals

- Address current coastal flooding and shoreline erosion issues
- Adapt to future climate conditions (Sea level rise, increased precipitation)
- Protect public facilities and infrastructure assets
- Provide broad public benefits and access
- Support adaptation of Environmental Justice communities





## Summary

*Summaries below reflect any selection, filter, or map extent changes applied.*

*Hover over pie chart slices for details.*

Total Amount Awarded:

**\$45,760,580**



Total Number of Projects:

**219**



## Support for Local Adaptation

Since the grant program launched in 2014:

- 355 applications submitted
- \$76 million in grant funding requested
- 219 applications funded (61% of total requests)
- \$46 million in grant funding awarded
- \$17 million in local match provided
- 57 communities supported
- Competitiveness varies year to year

**Explore projects on the  
CZM Grant Viewer**

# FY25 Highlights

## ➤ Funding availability:

- Approximately \$4 million available
- \$2 million project cap

## ➤ Match:

- Match is waived for Tribes or projects that directly involve or serve Environmental Justice neighborhoods
- 25% of the total project cost is required for construction of infrastructure or implementation of shoreline restoration projects
- 25% of the total project cost is encouraged but not required for other project categories (e.g., risk assessments; public outreach; proactive planning; planning, design, or permitting of retrofits or restoration projects)

## ➤ Project planning proposals must submit the Climate Resilience Design Standards Tool report ([resilient.mass.gov/rmat\\_home/designstandards/](https://resilient.mass.gov/rmat_home/designstandards/))

## ➤ Increased points for project management and partnerships (increased by 5 points)

# Eligibility

## Applicants:

- 78 Massachusetts coastal cities and towns
- Certified 501(c)(3) nonprofits that own vulnerable coastal property that is open and accessible to the public
- Eligible federally recognized and state acknowledged Massachusetts Tribes

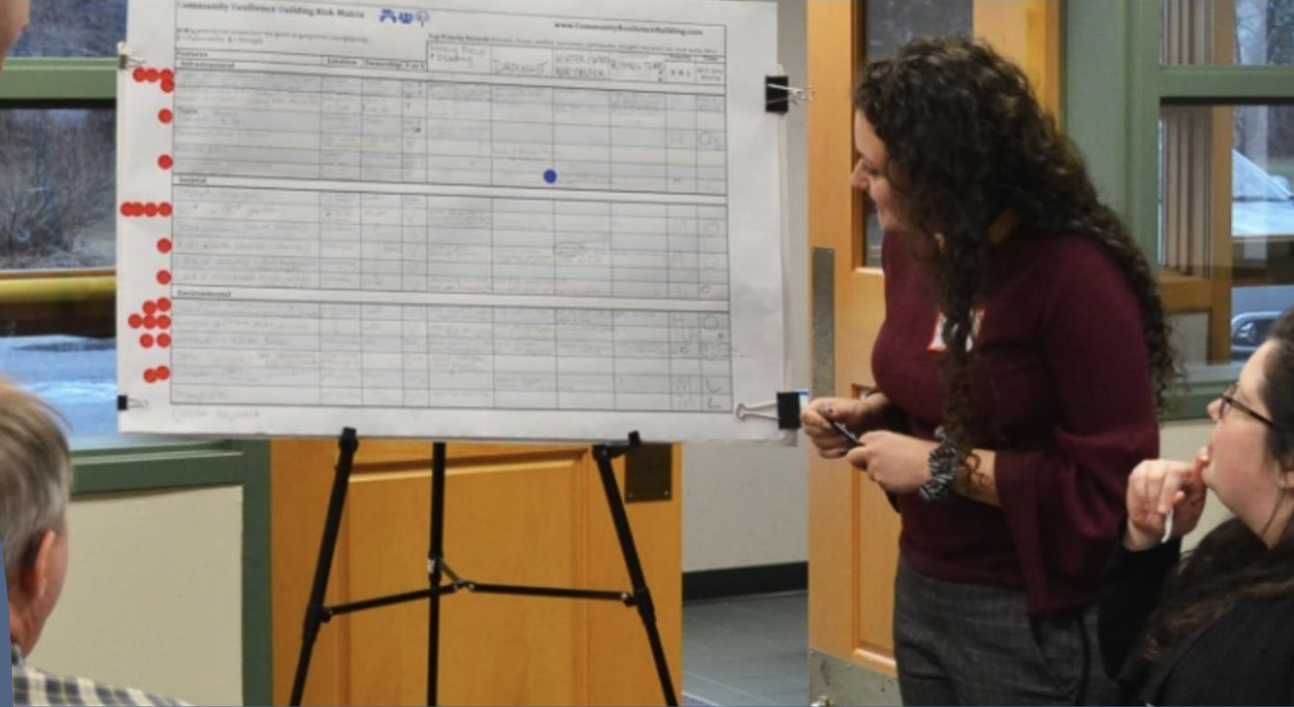
## Projects:

1. Detailed Vulnerability and Risk Assessment
2. Public Outreach
3. Proactive Planning
4. Redesigns and Retrofits
5. Shoreline Restoration



# 1. Detailed Vulnerability and Risk Assessment

- Build off previous planning priorities to map and evaluate vulnerable public facilities and infrastructure or specific areas at risk
- Use best available climate projections
- Consider near, mid, and long-term planning horizons
- Provide meaningful public engagement opportunities



## 2. Public Outreach

- Increase community understanding of coastal storm and climate impacts
- Build effective partnerships to develop support for implementation of proactive measures
- Promote engagement in local adaptation efforts
- Develop creative communication products that are accessible to all residents





### 3. Proactive Planning

- Develop, amend, and implement community resilience plans, local ordinances, bylaws, standards, zoning, and other planning tools to reduce exposure of vulnerable facilities and infrastructure
- Projects that facilitate retreat of vulnerable development and reduce future development in high hazard areas are highly encouraged
- Community outreach with residents, businesses and other stakeholders and result in formal local adoption





## 4. Redesigns and Retrofits

- Upgrade or adapt or consider retreat of vulnerable public facilities and infrastructure to reduce long-term coastal flooding and erosion impacts
  - Port and harbor infrastructure
  - Water/Wastewater infrastructure
  - Critical roadways, evacuation routes and associated infrastructure
  - Seawalls
- Consider nature-based alternatives





## 5. Shoreline Restoration

- Non-structural approaches that restore or enhance natural systems to provide increased shoreline stabilization and flood control
  - Beach, berm, or dune building
  - Coastal bank stabilization
  - Fringing salt marsh restoration
  - Living breakwater or sill construction

# Project Phases



Planning, siting,  
feasibility/  
alternatives  
assessment



Conceptual to  
Final Design



Permitting



Construction,  
Monitoring and  
Maintenance



# Anticipated FY25 Timeline

Milestone	Tentative Timeline
RFR released on CommBuys	April 2024
Q & A: Submit questions in writing; Q & A posted online	+ 2 weeks
Electronic applications due: <a href="mailto:coastal.resilience@mass.gov">coastal.resilience@mass.gov</a>	May – June (+6 weeks from release)
Award announcement	August – Sept.
Project scoping and contract execution	August – Sept.
Project start: Date of EEA’s signature on your contract	Sept. – Oct.
Project/Contract end	June 30, 2025; June 30, 2026 for 2-yr contracts

# Evaluation Criteria

- Current vulnerability and future adaptation (10 points)
- Need for assistance and engagement with Environmental Justice populations (10 points)
- *Detailed project description* \* (15 points)
- Public benefit and interests (10 points)
- Transferability (10 points)
- *Timeline* \* (10 points)
- *Cost-Effective Budget* \* (10 points)
- Project management and partners (15 points)
- Overall project quality (10 points)

\* *Break down by task and fiscal year*



# Example scope of work template

Example

FY24 Coastal Resilience Grant Scope Template						
Project Task Description	Deliverables	Deliverable Due Date	Invoice Due Date	Total Grant	Total Match	Total Task
Task 1: Kickoff Meeting						
Sub-task 1.1 - Conduct kickoff	Meeting agenda, sign-in sheet, notes	10/20/2024	11/30/2024	\$500	\$100	\$600
Total Task 1 Cost				\$500	\$100	\$600
Task 2: Alternatives Analysis						
Sub-task 2.1 - Initial engineering analysis	Draft Technical Memo	1/31/2025	2/28/2025	\$10,000	\$2,000	\$12,000
Sub-task 2.2 - Project Team Meeting	Meeting presentation, sign-in sheet, notes	2/15/2025	3/31/2025	\$500	\$100	\$600
Sub-task 2.3 - Preferred Alternative	Final Memo	3/31/2025	4/30/2025	\$3,000	\$2,000	\$5,000
Total Task 2 Cost				\$13,500	\$4,100	\$17,600
Task 3: Public Outreach						
Sub-task 3.1 - Press release	Press release	10/31/2024	11/30/2025	\$500	\$50	\$250
Sub-task 3.2 - Public Meeting #1	Meeting presentation, sign-in sheet, notes	4/30/2024	5/30/2025	\$1,500	\$500	\$2,000
Sub-task 3.3 - Project Website	Website created and deliverables posted online	5/15/2025	5/30/2025	\$500	\$500	\$1,000
Total Task 3 Cost				\$2,500	\$1,050	\$3,250
FY25 TOTAL (Due June 30, 2025)				\$16,500	\$5,250	\$21,750
Task 4: Engineering Design						
Sub-task 4.1 Preliminary Design	Preliminary Design Plans for preferred alternative	7/1/2025	8/1/2025	\$6,000	\$2,000	\$8,000
Sub-task 4.2 Project Team Meeting	Meeting presentation, sign in sheet, notes including feedback on design plans	9/1/2025	10/1/2025	\$1,000	\$500	\$1,500
Total Task 4 Cost				\$7,000	\$2,500	\$9,150
FY26 TOTAL (Due June 30, 2026)				\$7,000	\$2,500	\$9,150

# Climate Resources

**CZM StormSmart Coasts Program**  
([mass.gov/stormsmart-coasts-program](https://mass.gov/stormsmart-coasts-program))

- CZM Grant Viewer, Fact Sheets, Sea Level Rise and Coastal Flooding Viewer, MC-FRM Training Videos, EJ Resources

**ResilientMass** ([resilient.mass.gov](https://resilient.mass.gov))

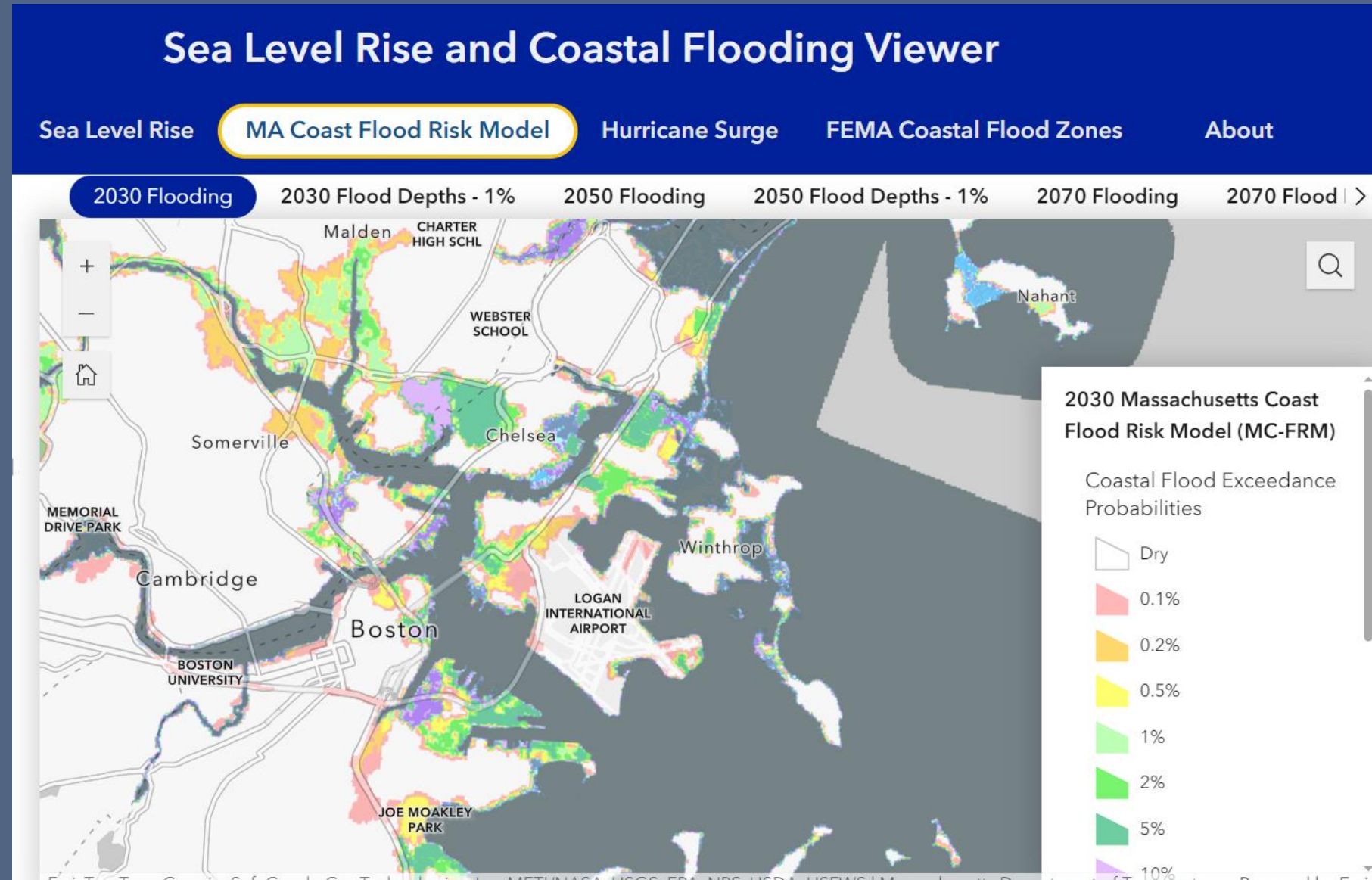
- Climate data/projections, Climate Resilience Design Standards Tool, 2023 ResilientMass Plan

**EEA Office of Climate Science**

Email: [climatescience@mass.gov](mailto:climatescience@mass.gov)

**MA MyCoast** ([mycoast.org/ma](https://mycoast.org/ma))

- Reports and photos of storm impacts by municipality



# Regional Projects and Partnerships

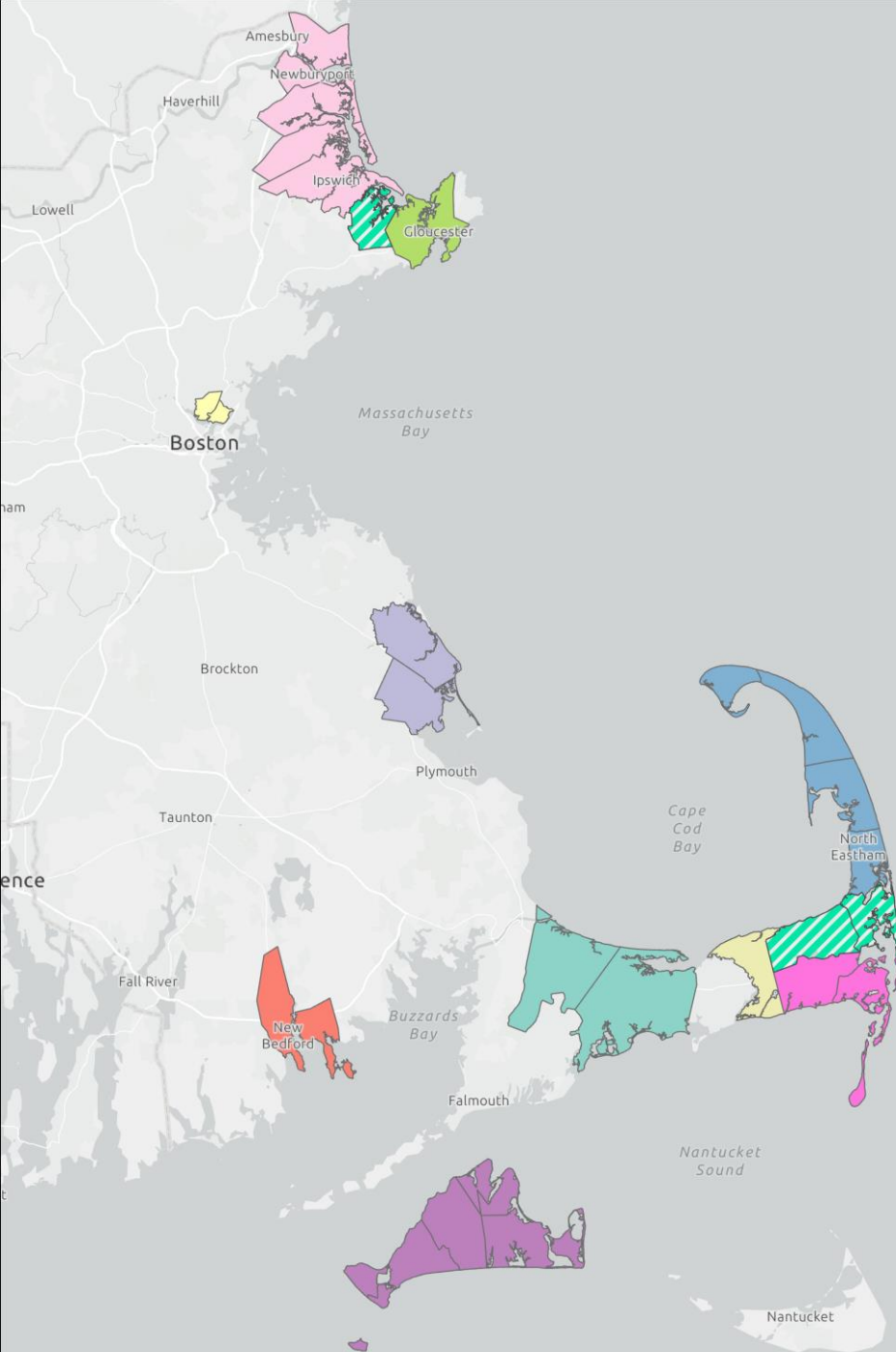


- Communities working together at a larger scale within a system (e.g., embayment or littoral cell)
- Cohesive project with shared resiliency goals
- Coordination over multiple project phases
- Benefits:
  - More bang for your buck
  - Increase transferability and public benefits
  - Consistent information and messaging through joint public meetings
  - Leverage broader local expertise and resources

Green Harbor (Marshfield) – Duxbury Beach  
Coastal processes acting within littoral cell



# Past Regional Projects



## Project Participation

Sandwich and Barnstable

Chelsea and Everett

Marshfield and Duxbury

New Bedford and Fairhaven

Provincetown, Truro, Wellfleet and Eastham

Brewster, Dennis, Orleans

Essex County Greenbelt, Essex and Gloucester

Essex, Salisbury, Rowley, Ipswich, Newbury, Newburyport

Chatham and Pleasant Bay Alliance (Chatham, Brewster, Orleans, Harwich)

Martha's Vineyard

Multiple

## Project Examples:

- Expanding community engagement in the Great Marsh
- Coordination and planning for a flood mitigation strategy at Island End River
- Public outreach and coordination to design, permit and implement beach nourishment in Marshfield and Duxbury
- Development of a framework for inter-municipal shoreline management along the outer Cape
- Mapping storm-tide pathways on Martha's Vineyard

## Support for adaptation of Environmental Justice neighborhoods

- Projects that directly involve and benefit EJ residents
- Letters of support from EJ representatives
- Engage affected community members
- Interpretation and translation services when needed
- Interactive workshops to maximize participation

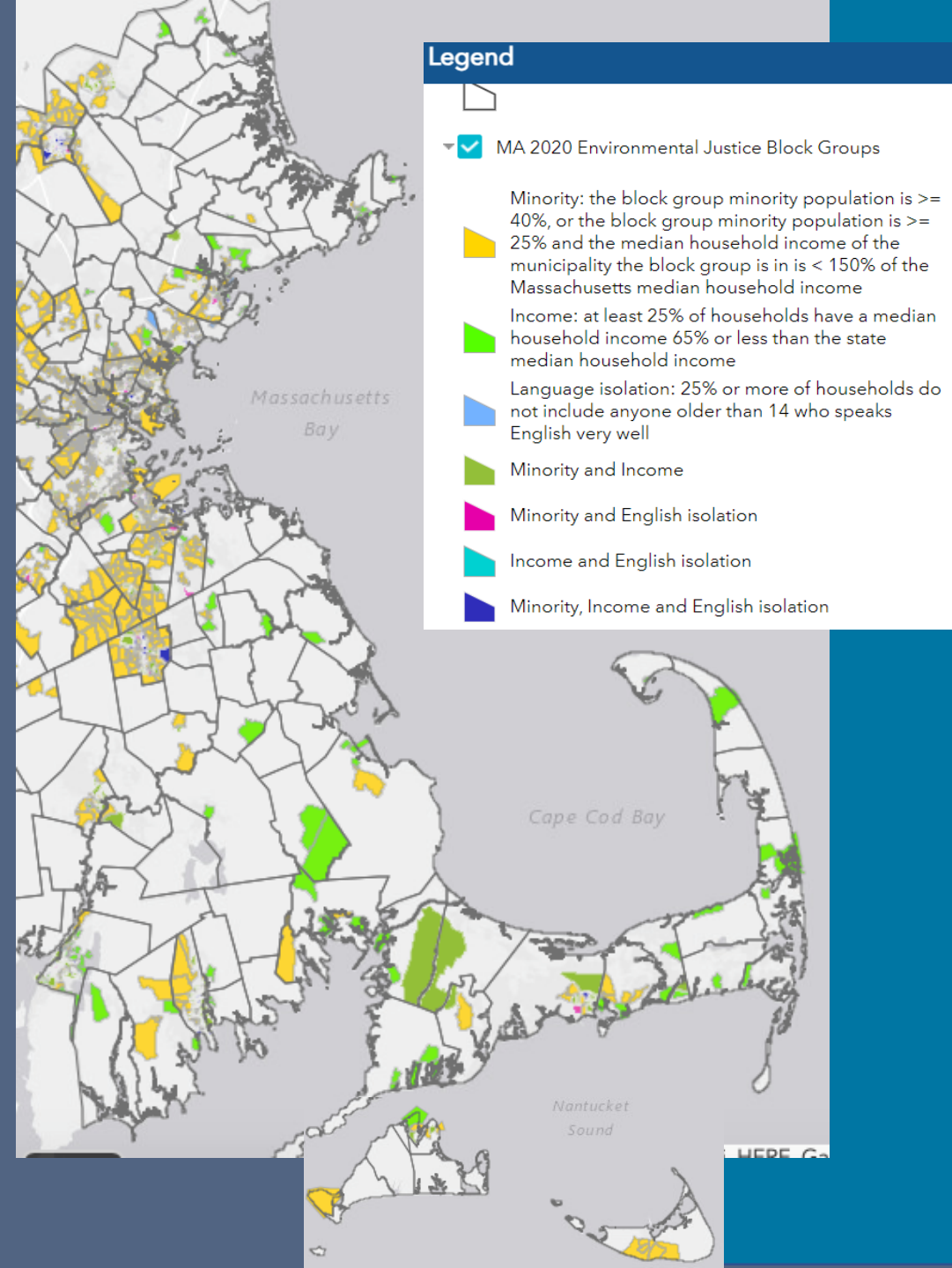


## Photo Credit



# Environmental Justice Resources

- **MA Environmental Justice (EJ) Viewer** <https://www.mass.gov/info-details/environmental-justice-populations-in-massachusetts>
- **National Association of Climate Resilience Planners: Community Driven Climate Resilience Planning: A Framework**  
<https://movementstrategy.org/wp-content/uploads/2021/10/Community-Driven-Climate-Resilience-Planning-A-Framework.pdf>
- **The Urban Sustainability Directors Network: Guide to Equitable, Community-Driven Climate Preparedness Planning**  
[https://www.usdn.org/uploads/cms/documents/usdn\\_guide\\_to\\_equitable\\_community-driven\\_climate\\_preparedness\\_high\\_res.pdf](https://www.usdn.org/uploads/cms/documents/usdn_guide_to_equitable_community-driven_climate_preparedness_high_res.pdf)
- **Climigration Network: Lead with Listening: A Guidebook for Community Conversations on Climate Migration**  
[https://static1.squarespace.com/static/580df9afe4fcb5fdf27a053a/t/61e8a4769f74fa362c509168/1642636411977/LeadwithListening\\_ClimigrationNetwork\\_ENG-ESP\\_20210715.pdf](https://static1.squarespace.com/static/580df9afe4fcb5fdf27a053a/t/61e8a4769f74fa362c509168/1642636411977/LeadwithListening_ClimigrationNetwork_ENG-ESP_20210715.pdf)
- **The Create Initiative: Sharing the Benefits of a Greening City**  
[https://create.umn.edu/wp-content/uploads/2020/02/sharing\\_in\\_the\\_benefits\\_of\\_a\\_greening\\_city\\_final\\_web.pdf](https://create.umn.edu/wp-content/uploads/2020/02/sharing_in_the_benefits_of_a_greening_city_final_web.pdf)





# Reducing Exposure of Vulnerable Public Facilities and Infrastructure

## Proactive Planning



### House of Seven Gables

- Evaluating relocation of most seaward buildings

## Redesign and Retrofit

### Flood Protection Design: Combination Vegetated Reinforced Berm, Truncated Berm, and Gravity Wall



### Hull

- Design for flood protection strategy at the Wastewater Treatment Facility

## Restoring Natural Buffers



### Chilmark:

- Dune restoration with plantings at Menemsha public beach to provide increased storm damage protection to the parking lot and landward areas

# Application Tips

- Write applications assuming the Review Committee has no project background
- Review application narrative and check for consistency in Scope and Budget spreadsheets
  - Develop discreet tasks and deliverables by fiscal year
- Develop realistic timeline and budget
  - Anticipate local contracting timeframe (can be up to 3 months)
  - Allocate 1 to 2 weeks for review of deliverables and materials, especially before public meetings
- Hold regularly occurring project management team meetings (include CZM in project management team)
- Anticipate time to secure or appropriate match funds (if town vote is needed for approving cash match)
- Coordinate with local departments and ensure they're in support
- Reach out to partners early and obtain letters of support that describe involvement of partners
- Provide meaningful and accessible opportunities for public engagement

# CZM can provide feedback on proposals up until the RFR is released

## Grant Team

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**CZM provides a range of technical assistance including:  
Planning and coastal processes, grant deliverable review, public outreach,  
coordination with agencies and regional networks**