

PAWCATUCK RIVER COASTAL STORM RISK MANAGEMENT PROJECT

PRECONSTRUCTION, ENGINEERING AND DESIGN PHASE

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US Army Corps
of Engineers®





MEETING AGENDA



6:00 pm	Introductions	Town of Westerly
6:10 pm	Formal Presentation	USACE and RICRMC
6:45 pm	Questions and Answers	All



BACKGROUND - STUDY AUTHORITY



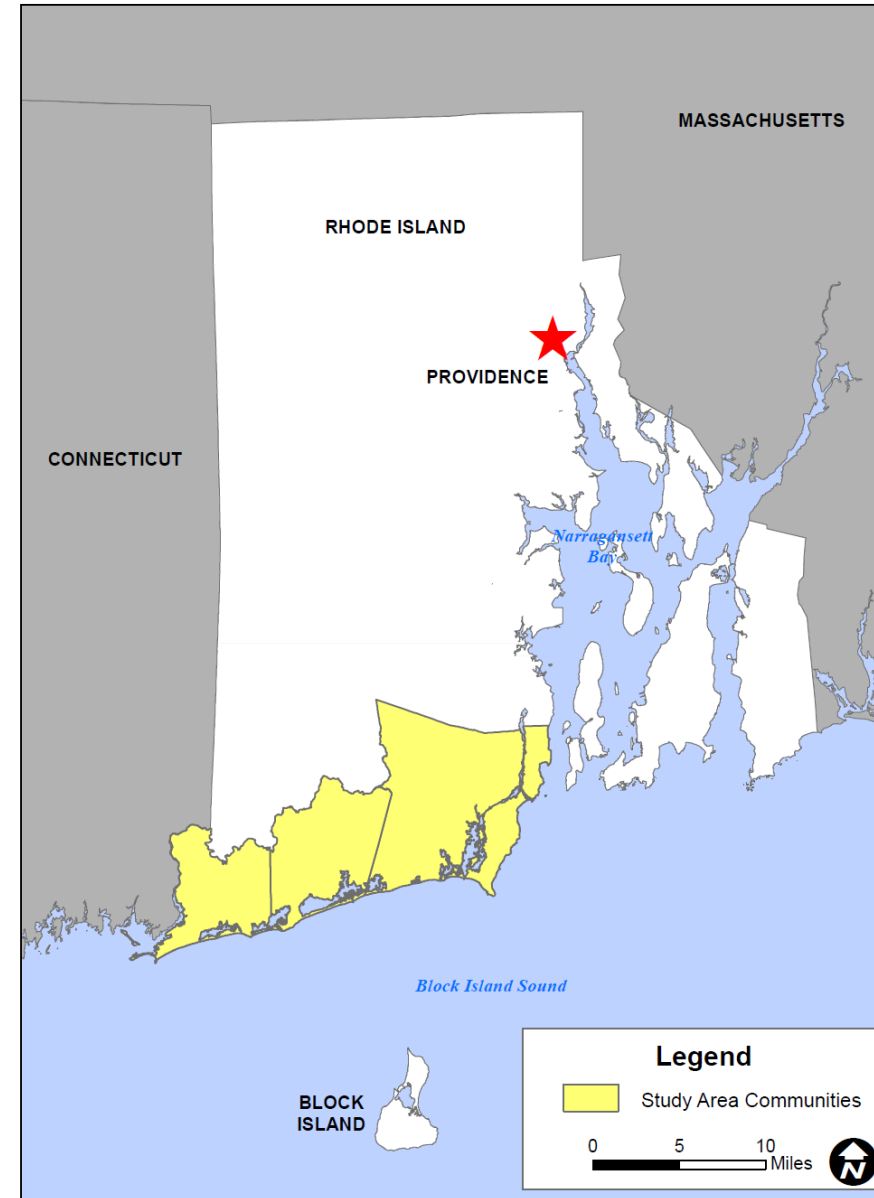
- The study was authorized by a resolution by the Committee on Public Works of the U.S. Senate (September 12, 1969) that gives the USACE the authority to investigate solutions for “flood control, navigation, and related purposes in Southeastern New England ...”
- On October 29-30, 2012, one of the deadliest hurricanes to hit the United States, Hurricane Sandy, devastated the study area.
- The feasibility study was prepared in compliance with the applicable requirements of the Disaster Relief Appropriations Act of 2013 (Public Law 113-2) enacted in response to Hurricane Sandy.
- Rhode Island Coastal Resources Management Council (RICRMC) was the non-Federal partner for the study. CRMC may partner with the four communities and/or other state agencies during implementation phase



PROJECT PURPOSE AND LOCATION

Manage risk of damages from hurricane & storm surge flooding

- Manage residual flood damage from coastal storm events
- Manage risk to local residents' life and safety





PROJECT DETAILS



- Project is a Locally Preferred Plan (LPP) consisting of non-structural actions
- 247 residential structures across four communities potentially eligible to be elevated to the FEMA Base Flood Elevation + 1 foot + 'intermediate' sea level rise rate of 0.8 feet over the next 50 years
- 21 commercial structures in three communities potentially eligible to be floodproofed
- Design Phase of the project began in South Kingstown in 2020 and initial structure surveys are underway. Rights of entry currently being signed to allow access for structure inspection/surveys – initial design phase is 100% Federally funded.
- Construction Phase of the project will be cost-shared 65% Fed, 35% Non-Fed (Individual Property Owners)



PROJECT DETAILS



- Cost estimates from the feasibility study range from a low of approx. \$131,000 to a high of \$254,000. Estimates heavily dependent on structure type and location within the coastal floodplain
- Updated Gov't estimates for the construction phase will be developed as part of the project & homeowners will be part of the process

	<u>Cost Ea</u>	<u>Quantity</u>
<u>A Zone</u>		
Simple Ranch	\$130,877	74
Simple 2-Story	\$146,728	23
Complicated Ranch w/ Basement	\$149,502	21
Complicated 2-Story w/ Basement	\$160,919	14
Complicated Raised Ranch	\$183,010	13
Complicated 2-Story w/ Slab	\$202,551	19
<u>V Zone</u>		
Simple Ranch	\$176,584	28
Simple 2-Story	\$192,435	9
Complicated Ranch w/ Basement	\$195,209	13
Complicated 2-Story w/ Basement	\$206,627	15
Complicated Raised Ranch	\$234,132	3
Complicated 2-Story w/ Slab	\$253,673	15



PROJECT DETAILS

- Example home in Fairfield, CT - \$196,685 (2016 numbers)
- 46 homes elevated in 2016, Average cost was \$204,000 per structure.





PROJECT DETAILS – LOAN PROGRAM



The State of Rhode Island is in the process of creating a “Program Administrator” which will be a collaboration of state agencies that will administer the financial aspects required for this project.

The Program Administrator’s main objectives will be;

- Organize a pool of financial institutions that agree to fund loans to the homeowners in this project
- Conduct pre-approval for the loans
- Facilitate paying the Non-Federal match (35% of project cost)



PROJECT DETAILS – CRMC PERMITTING



- Maintenance Applications are used for projects whose activities do not alter the approved design, purpose and size of the structure
- Homeowners that only use the House Raising/Floodproofing plans will likely only need to file a Maintenance Application
- Any change to the existing dwelling's size/design will require an Assent application. Examples could be small additions, new decks or covered porches, etc.



PROJECT TIMELINE



Project Authorized under Title X, Chapter 4, Division A of the Disaster Relief Appropriations Act of 2013

October 2019:
USACE & CRMC signed Design Agreement to conduct design phase at full federal expense.

Final Feasibility Report
February 2018

Federal Funding received
December 2019

Public Meetings
July 2020 – July 2021

Elevate Structures
(estimated 2023-?)

Funding Received:
Federal design funding (USACE) received for Preconstruction, Engineering & Design Phase to begin nonstructural implementation

- Additional Activities:
- Complete program eligible structure surveys and designs.
 - Execute Construction Agreement with the State of Rhode Island Non-Federal Sponsor.
 - Receive federal and non-federal construction funding.
 - Execute construction contracts.



WHAT ARE THE NEXT STEPS?



STEP 3: USACE & CRMC will confirm registration requirements are met by:

- Verifying ownership
- Verifying property has not previously received grant/assistance for elevation of structure



WHAT ARE THE NEXT STEPS?



STEP 4: USACE & CRMC will verify eligibility by performing surveys:

- First floor and roof elevations
- Structural condition assessment
- Cultural resources



WHAT ARE THE NEXT STEPS?

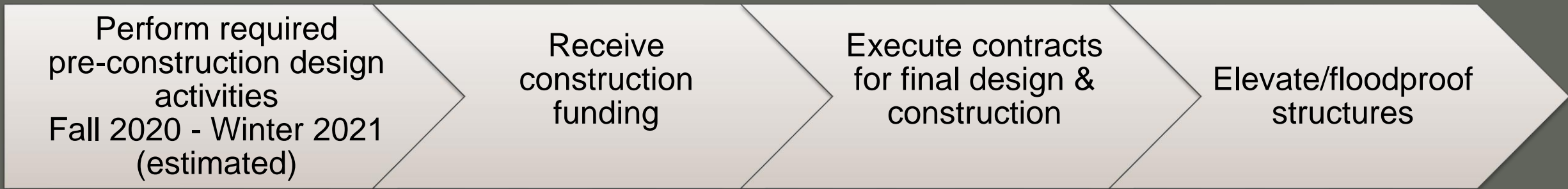


STEP 5: Develop designs and government estimates with Homeowner review/approval.

STEP 6: Secure Federal and Non-Federal construction funding.



SCHEDULE FOR ELIGIBLE STRUCTURES



USACE and CRMC verify structure and owner eligibility.

USACE and CRMC complete eligible structure designs.



CONTACT INFORMATION



USACE



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CRMC



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PROJECT WEBPAGE

<https://www.nae.usace.army.mil/Missions/Projects-Topics/Pawcatuck-River-CSR-Feasibility-Study/>



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QUESTION & ANSWER SESSION