

## 9.23: City of Ventnor City– Jurisdictional Annex

### Summary of Hazards and Actions

Summary of Hazard Ranking and Actions, City of Ventnor City			
Hazard	Hazard Ranking	# of Related Actions	Action #s
<b>Atmospheric Hazards</b>			
Extreme Temperatures	M	5	3, 4, 5, 7, 8
Extreme Wind	M	5	3, 4, 5, 7, 8
Hail	L	5	3, 4, 5, 7, 8
Hurricane & Tropical Storm	H	9	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Lightning	L	5	3, 4, 5, 7, 8
Nor'easter	M	9	1, 2, 3, 4, 5, 6, 7, 8, 9, 10
Tornado	L	5	3, 4, 5, 7, 8
Winter Storm	M	5	3, 4, 5, 7, 8
<b>Hydrologic Hazards</b>			
Coastal Erosion	M	7	1, 2, 3, 4, 5, 7, 8
Sea Level Rise	H	5	3, 4, 5, 7, 8
Dam Failure	N/A		
Levee Failure	N/A		
Drought	L	5	3, 4, 5, 7, 8
Flood	H	15	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
Tsunami	L	5	3, 4, 5, 7, 8
Storm Surge	H	12	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15
Wave Action	L	6	1, 3, 4, 5, 7, 8
<b>Geologic Hazards</b>			
Earthquake	L	5	3, 4, 5, 7, 8
<b>Other Natural Hazards</b>			
Wildfire	L	5	3, 4, 5, 7, 8

# Mitigation Strategy for Risk Reduction

Overview of Municipal Mitigation Strategy, City of Ventnor City				
Project Number	Project Description	Hazard(s) Addressed	Priority	Goals
1	New bulkheading along Winchester Avenue from Jackson to Dorset <b>(Action 2 in 2016 Plan)</b>	Hurricane/tropical storm, Nor'easter, Flood, Coastal erosion, Storm surge, Wave action	H	3
2	Elevate Wellington Avenue so that initial flooding will not wash out evacuation road. <b>(Action 4 in 2016 Plan)</b>	Hurricane/tropical storm, Nor'easter, Flood, Coastal erosion, Storm surge	H	3
3	Code enforcement: Enforcement of State and Local Building Codes with Continual CEO training. (prevention) <b>(Action 5 in 2016 Plan)</b>	All	H	2
4	'Work with city and planning board engineer along with city solicitor to ensure building codes meet state requirements <b>(Action 6 in 2016 Plan)</b>	All	H	2
5	Distribution of flyers, posting information on web-site, newsletter and Facebook page. Public awareness program on Hazards, Prevention, and Mitigation: County will maintain a hazard mitigation and mitigation planning web presence (local municipal web sites to link up to this site, if they haven't already done so); all participating jurisdictions to support preparation of a joint annual hazard mitigation and mitigation planning fact sheet and its distribution; periodic discussion of hazard mitigation and the mitigation plan at other regular local meetings; use of annual flyers, newsletters, advertisements, or radio/tv announcements, etc. at the discretion of each jurisdiction (incorporating as much free information as possible from the FEMA Publications Warehouse and other appropriate sources). <b>(Action 7 in 2016 Plan)</b>	All	H	1
6	Installation of storm water pumping stations for flood mitigation at Freemont & Little Rock Avenues and at Derby & Marshall Avenues <b>(Action 8 in 2016 Plan)</b>	Hurricane/tropical storm, Nor'easter, Flood, Storm surge	H	3
7	Installation of backup power generators at following pump stations: Lafayette Ave, City Yard (Cornwall Ave), Fulton & Harvard Avenues, and Freemont & Little Rock. <b>(Action 9 in 2016 Plan)</b>	All	H	3
8	Installation of city wide warning system for notification of residents and visitors <b>(Action 12 in 2016 Plan)</b>	All	H	2
9	Elevate & recondition pump stations at Lafayette Ave, Fulton & Harvard, City Yard (Cornwall) <b>(Action 10 in 2016 Plan)</b>	Hurricane/tropical storm, Nor'easter, Flood, Storm surge	H	3
10	The City has received a FEMA scoping grant which will fund the evaluation of the Ventnor Heights area and make recommendations for improvements. <b>(New)</b>	Hurricane/tropical storm, Nor'easter, Flood, Storm surge	H	3
11	Inspect all check valves and replace/repair as needed. Existing structures <b>(New)</b>	Flood	H	3

## Overview of Municipal Mitigation Strategy, City of Ventnor City

Project Number	Project Description	Hazard(s) Addressed	Priority	Goals
12	Continue to revise the Floodplain Management Plan, Repetitive Loss Analysis, Natural Resources Plan, Watershed Management Plan, mapping elevation certificates, and other actions. <b>(New)</b>	Flood	H	4
13	Close bulkhead gaps; Elevate bulkheads (Public and Private) Newport, Portland, Edgewater, evaluate piping system for the Ventnor Gardens Pump Station. <b>(New)</b>	Flood	H	3
14	Continue to apply for FEMA Funding to elevate homes. <b>(New)</b>	Flood	H	3
15	Contribute documentation for and work with the US Army Corps of Engineers New Jersey Back Bays Coastal Storm Risk Management Study. As the project progresses, Ventnor City will adjust its mitigation activities considering more comprehensive improvements planned by the Army Corps. <b>(New)</b>	Flood, Storm surge	H	3

More detailed information on these individual actions is presented at the end of this annex.

## Contact Information

City of Ventnor City's Statement of Authority to Participate identified a Primary Point of Contact and an Alternate for this hazard mitigation plan update. These individuals represented the jurisdiction on the county-wide Core Planning Group and led a local team of Jurisdictional Assessment Team Members who undertook various local activities related to the plan update.

HAZARD MITIGATION PLAN POINTS OF CONTACT						
Primary Point of Contact			Alternate Point of Contact			
Name: Michael P. Cahill Title: Emergency Management Coordinator Department: Emergency Management Address: 6201 Atlantic Avenue, 2 <sup>nd</sup> Floor, Ventnor, NJ 08406 Phone Number: 609-823-7919 E-mail Address: OEM@Police.VentnorCity.org			Name: Ed Stinson Title: Superintendent Public Works, City Engineer Department: Public Works/Engineering Address: 6201 Atlantic Avenue, 2 <sup>nd</sup> Floor, Ventnor, NJ 08406 Phone Number: 609-823-7935 E-mail Address: estinson@ventnorcit.org			
Jurisdictional Assessment Team Members						
Name:	Michael Cahill					
Title:	Emergency Management Coordinator					
Community Name:	VENTNOR					
County:	Atlantic County, NJ					
Email:	<a href="mailto:oem@police.ventnorcit.org">oem@police.ventnorcit.org</a>					
Phone:	609-823-7919					
*Note: If your community does not have someone filling the role of a position title in Column A, please insert the word "none" in Column B. Thank you.						
Local Jurisdiction Role/Position	Name	Email	Phone	Date of Invitation	Method of Invitation	Agreed to participate?
Mayor/Supervisor	Beth Holtzman	<a href="mailto:bholtzman@ventnorcit.org">bholtzman@ventnorcit.org</a>	609-823-7900	05/21/21	meeting	Yes
Administrator	Maria Mento	<a href="mailto:mmento@ventnorcit.org">mmento@ventnorcit.org</a>	609-823-7900	05/21/21	meeting	Yes
Clerk	Lisa Hand	<a href="mailto:lhand@ventnorcit.org">lhand@ventnorcit.org</a>	609-823-7904	05/21/21	meeting	Yes
Engineer	Ed Stinson	<a href="mailto:estinson@ventnorcit.org">estinson@ventnorcit.org</a>	609-823-7935	05/21/21	meeting	Yes
Attorney	Tim Maguire	<a href="mailto:magmaqlaw@aol.com">magmaqlaw@aol.com</a>		05/21/21	meeting	Yes
Building Code Official	Jimmie Agnesino	<a href="mailto:jagnesin@ventnorcit.org">jagnesin@ventnorcit.org</a>	609-823-7987	05/21/21	meeting	Yes
Emergency Manager	Michael Cahill	<a href="mailto:mcahill@ventnorcit.org">mcahill@ventnorcit.org</a>	609-823-7942	05/21/21	meeting	Yes
Fiscal/Budget Officer	Albert Stanley	<a href="mailto:astanley@ventnorcit.org">astanley@ventnorcit.org</a>	609-823-7915	05/21/21	meeting	Yes
Floodplain Manager	Dino Cavalieri	<a href="mailto:dcavalie@ventnorcit.org">dcavalie@ventnorcit.org</a>	609-823-7987	05/21/21	meeting	Yes
Planning Board	Thomas Halpin Jr	<a href="mailto:thalpin@ventnorcit.org">thalpin@ventnorcit.org</a>	609-823-7943	05/21/21	meeting	Yes
Public Works Director	Ed Stinson	<a href="mailto:estinson@ventnorcit.org">estinson@ventnorcit.org</a>	609-823-7935	05/21/21	meeting	Yes
Deputy Emergency Manager	Donna Peterson	<a href="mailto:oem@police.ventnorcit.org">oem@police.ventnorcit.org</a>	609-823-7919	05/21/21	meeting	Yes

City of Ventnor City has reported undertaking the following internal activities in preparation of its mitigation plan:

Subject of JAT Activity (Meeting Notice, Emails, Etc.)	Date	INVOLVED PARTIES - Place an 'x' for any position title that participated										
		Mayor/ Supervisor	Administrator	Clerk	Engineer	Attorney	Building Code Official	Emergency Manager	Fiscal / Budget Officer	Floodplain Manager	Planner	Public Works Director
Kick-off meeting invitation sent	05/21/21	x	x	x	x	x	x	x	x	x		x
Attendance at kick off meeting	06/01/21				x		x	x		x		
Agenda for meeting sent	06/01/21	x	x	x	x	x	x	x	x	x	x	x
Worksheet revisions	06/17/21						x	x		x		
Meeting with Anna Consultant	06/16/21							x				

## Governing Body Format

The governing body is comprised of three Commissioners who are elected at-large to serve four-year terms on a concurrent basis in non-partisan elections held as part of the May municipal election. After each election, the three elected commissioners are each assigned a department to oversee and choose one of their members to serve as Mayor.

## Land Use and Development Trends

An evaluation of growth and development trends was undertaken by each participating jurisdiction as part of the development of the initial plan in 2010, and the last update in 2016. As part of this second plan update, City of Ventnor City reviewed and updated its prior feedback to reflect current conditions as of mid-2021.



### Atlantic County Multi-Jurisdictional Hazard Mitigation Plan Update *Worksheet #3 – Growth and Development Trends Update*

---

Performing an assessment of Growth and Development Trends is one step of a FEMA-approved hazard mitigation plan update. This look into the future is important because development in hazard areas could put more assets at risk and, in turn, could work to increase potential disaster-related damages at a time when the mitigation plan's purpose is to reduce the potential for damages emanating from natural disasters. Growth/development trends are based on the construction of new buildings, demolition of old buildings, or the planning, zoning or subdivision of new areas for development. A stagnant or decreasing population alone is not reason for stating that no development has occurred, unless backed up by a lack of development.

An evaluation of growth/development trends was undertaken by each participating jurisdiction as part of the development of the 2016 plan. Your municipality's prior response from 2016 is included on the next page in Part 1. Please review your community's prior feedback and identify any changes that have occurred since that time so the most current information can be reflected in this 2021 plan update. In addition, please provide responses for Part 2.

Information for the 2016 plan was provided to us by: Jimmie Agnesino, Construction Official, Land Use Administrator

Your Name: Jimmie Agnesino ]

Title: Construction Official / Land Use Administrator

Community: Ventnor ]

Email and Phone: [JAgnesin@ventnorcity.org](mailto:JAgnesin@ventnorcity.org) 609-823-7987

Part 1 – Please update your response from 2016 to reflect current conditions in the community. ¶

Community □	<p><b>1. → Land Uses and Development Trends in Hazard Areas as Reported in the 2016 Plan.</b> Please describe development trends occurring within your jurisdiction, such as the predominant types of development occurring, location, expected intensity, and pace by land use. While details are preferred, it is ok if your feedback is qualitative and quite general, such as “high occupancy, high density residential development is occurring near the waterfront”. □</p>	<p><b>1a. Please update your response to reflect conditions in 2021</b> □</p>	<p><b>Regulations/Codes/Ordinances To Protect New Development From Natural Hazards as Reported in the 2016 Plan.</b> Does your jurisdiction enforce regulations/ordinances/codes to protect new development from the effects of natural hazards? (Some examples might be floodplain management ordinances enforcing FEMA’s NFIP for new development or substantial improvements in the floodplain; steep slope ordinances for community’s which may have landslide hazards; earthquake resistant design criteria and/or high wind design criteria; or buffer zones in wildfire hazard areas.) If so, please describe. □</p>	<p><b>2a. Please update your response to reflect conditions in 2021</b> □</p>
<p>Ventnor, City of ¶ □</p>	<p>Very limited in un-developed land; Island Community of 2 square miles; Redevelopment of apartment buildings, replace by Condo’s, approximately 50 units. In general, City would like future promotion of 55 plus; Water front developed; few vacant lots; One City owned parcel of plus acreage with no plans of development. ¶ ¶ There are numerous houses being raised since Superstorm Sandy. Removed old motel and constructing 20 new townhomes on waterfront development. □</p>	<p>[Very limited in un-developed land; Island Community of 2 square miles; Redevelopment of apartment buildings, replace by Condo’s, approximately 50 units. In general, City would like future promotion of 55 plus; Water front developed; few vacant lots; One City owned parcel of plus acreage with no plans of development. ¶ ¶ There are numerous houses being raised since Superstorm Sandy. Removed old motel and constructing 20 new townhomes on waterfront development. □</p>	<p>90% of the Community is located in an A-8 flood zone, also being coastal, 120 MPH wind speed is designated for new construction. Wetlands and floodplains are also incorporated thus the following agencies are prior approvals, DEP &amp; FEMA. High wind speeds, and flood resistant construction. UCC Regulations. ¶ ¶ Community has been notified of new working flood maps which are AE8, AE9, AE10 and minimal AE11. All other information is the same. □</p>	<p>90% of the Community is located in an A-8 flood zone, also being coastal, 120 MPH wind speed is designated for new construction. Wetlands and floodplains are also incorporated thus the following agencies are prior approvals, DEP &amp; FEMA. High wind speeds, and flood resistant construction. UCC Regulations. ¶ ¶ Community has been notified of new working flood maps which are AE8, AE9, AE10 and minimal AE11. All other information is the same. □</p>

Is major development planned? (yes/no) <input type="checkbox"/>		<input type="checkbox"/>				
If major development is planned, please describe generally in the box to the right, and then complete the rows below. <input type="checkbox"/>		<input type="checkbox"/>				
Property Name <input type="checkbox"/>	Type <input type="checkbox"/> (Residential or Commercial) <input type="checkbox"/>	No. of Structures <input type="checkbox"/>	Address <input type="checkbox"/>	Block and Lot <input type="checkbox"/>	Known Hazard Zone <input type="checkbox"/>	Description <input type="checkbox"/> /Status <input type="checkbox"/>
Sun Bank <input type="checkbox"/>	Residential <input type="checkbox"/>	6 <input type="checkbox"/>	5312 Atlantic Avenue <input type="checkbox"/>	12/4 <input type="checkbox"/>	X <input type="checkbox"/>	Planning Approval <input type="checkbox"/>
Ocean Bank <input type="checkbox"/>	Residential <input type="checkbox"/>	8 <input type="checkbox"/>	6302 Ventnor Avenue <input type="checkbox"/>	69.01/1.0 <input type="checkbox"/>	AE9 <input type="checkbox"/>	Planning Approval <input type="checkbox"/>
Medical American Group <input type="checkbox"/>	Residential <input type="checkbox"/>	4 <input type="checkbox"/>	6309 Ventnor Avenue <input type="checkbox"/>	120/5 <input type="checkbox"/>	AE9 <input type="checkbox"/>	Planning Approval <input type="checkbox"/>

## National Flood Insurance Program Summary

City of Ventnor City has participated in FEMA's National Flood Insurance program (NFIP) since 1971.

National Flood Insurance Program Data City of Ventnor City	
Total number of policies <sup>1</sup>	4,232
Insurance in force <sup>2</sup>	\$987,112,700
Total number of losses during NFIP participation	3,938
Total claims paid during NFIP participation	\$90,639,521
Non-Mitigated Repetitive Loss Properties	187
Non-Mitigated Severe Repetitive Loss Properties	39

Ventnor also participates in the NFIP's Community Rating System. Ventnor entered the CRS in 1992, and is presently a Class 5 community receiving a 25% premium discount for policyholders in the Special Flood Hazard Area (SFHA) and a 10% premium discount for policyholders outside of the SFHA.

Ventnor provided the following NFIP Administrator Input in 2021, for inclusion in the 2022 Plan.

<sup>1</sup> Policies in Force from www.fema.gov NFIP Insurance Report, data current as of 06/03/21.

<sup>2</sup> Insurance in Force from www.fema.gov NFIP Insurance Report, data current as of 06/03/21

Name: [Dino Cavalieri] Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator

Community: [ City of Ventnor ] Email and Phone: [ dcavali@ventnorchity.org ] (609) 823-7987



**Atlantic County Multi-Jurisdictional Hazard Mitigation Plan Update - *Worksheet #2 - NFIP***

*Note: Data showing in the form at this time was provided for the 2016 plan by: Dino Cavalieri. This form should be updated by your floodplain administrator.*

Adoption Date of your Current Floodplain Management Ordinance	Date of Entry into NFIP <sup>1</sup>	Position or Title of Your Jurisdiction's Designated Floodplain Manager/Administrator (may also be called NFIP Coordinator)		Is this person is a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?	
<u>[9-19-2013]</u>	<u>[1983?]</u>	<u>[Floodplain Manager/CRS Coordinator]</u>		<u>[ [X] Yes [ ] No ]</u>	<u>[ [X] Yes [ ] No ]</u>	<u>[ [X] Yes [ ] No ]</u>	
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):							
<u>[Plan review &amp; outreach for permitting &amp; inspections. Educational Courses at EMI. Monthly Coalition Meetings.]</u>							
Describe barriers to running an effective NFIP program in the community (if applicable):							
<u>[ ]</u>							
When was most recent FEMA Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?*	Is a CAV or CAC scheduled or needed?	Does the current floodplain management ordinance exceed FEMA or State minimum requirements? If so, describe how.	Is training of staff regarding NFIP issues planned?	Does your community intend to continue to enforce the floodplain management requirements including regulating new construction in Special Flood Hazard Areas (SFHAs)?	Does your community participate in the CRS? If so, state your Class.	Does your community intend to continue its participation in the CRS program?	If your community is not currently participating in the CRS program, are you intending to initiate the process during the next planning cycle?
<u>[2020]</u>	<u>[ [ ] Yes [X] No ]</u>	<u>[ [X] Yes [ ] No ]</u> <u>[3ft freeboard]</u>	<u>[ [X] Yes [ ] No ]</u>	<u>[ [X] Yes [ ] No ]</u>	<u>[ [X] Yes* [ ] No ]</u> <u>[* Class <u>5</u>]</u>	<u>[ [X] Yes [ ] No ]</u> <u>[No]</u>	<u>[ [ ] Yes [ ] No ]</u> <u>[N/A]</u>
*Describe any outstanding compliance issues (i.e., current violations):							
<u>[ ]</u>							

Name: [ Dino Cavaleri ] Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator

Representing: [ City of Ventnor ] Email and Phone [dcavali@ventnorchity.org (609) 823-7987]



Provide an explanation of your local floodplain permitting process:

[Applicant submits permit & Drawings for Construction & Elevations. Permits are reviewed by all subcodes/zoning admin/floodplain admin for approval and inspections.

Does your community intend to continue floodplain identification and mapping services including any local requests for map updates?	Does your community intend to initiate/continue the buyouts of repetitive loss properties?	Does your community intend to commit staff or resources to improve local mapping or code administration in the future?	Does your community intend to provide local outreach to promote the sale of flood insurance?	Does your community intend to participate in RiskMAP meetings and planning initiatives?	Does your community intend to continue to implement structural improvements to mitigate against flooding - culverts, drainage basins, etc.?	Does your community intend to continue to implement home improvement programs designed to minimize basement flooding?	Does your community intend to continue to implement roadway improvements to reduce damage from future flooding events?	Does your community intend to implement plans and programs in coordination with a local or regional drainage/sewer authority?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does your community intend to adopt the new FEMA Advisory Base Flood Elevations?	As Floodplain Manager, did you (or your predecessor at the time) actively participate in the development of the initial Hazard Mitigation Plan?		As Floodplain Manager, are you actively participating in the development of this Hazard Mitigation Plan Update?		Have there been any changes to your community's local floodplain management program since the last version of the plan?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes * <input type="checkbox"/> No			
* If you answered "yes", that there have been changes to your local program since the last version of the plan, please describe:								
<u>[The City now employs a certified flood plain manager/CRS coordinator. The city has adopted higher standards to its flood plain ordinances. The City has expanded its outreach program.</u>								
Provide a description of your community assistance and monitoring activities:								
<u>[Provide floodplain assistance to public through outreach at library &amp; city hall and give information needed to public.</u>								
NFIP participating communities are required to update/revise their floodplain management ordinance to ensure that it complies with the latest FEMA regulations. Will your community continue to commit to this program requirement?					NFIP participating communities are also required to update/revise their floodplain management ordinance to be consistent with the latest FIRMs. Will your community continue to commit to this program requirement?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

## Critical Facilities in Delineated Hazard Areas

Note that all assets and facilities in the City of Ventnor City are considered to be at risk from County-wide hazards: Hurricane/Tropical Storm, Nor' easter, Extreme Wind, Tornado, Winter Weather, Lightning, Extreme Temperatures and Earthquake.

Facility Name	Location	Facility Type	Flood, A Zone	Flood, V Zone (Wave)	Category 1-4 Storm Surge	Coastal Erosion	Sea Level Rise, 1 Ft	Sea Level Rise, 3 Ft	Dam Failure	Low to Moderate Wildfire	High to Extreme Wildfire
<b>City of Ventnor City</b>											
Ventnor Emergency Management	6201 Atlantic Ave	Emergency Operations Center	1	0	1	0	0	0	0	0	0
Ventnor City Fire Dept.	20 N. New Haven and Winchester Avenues	Fire Station	1	0	1	0	0	0	0	0	0
Ventnor Heights	Little Rock and Wellington	Fire Station	1	0	1	0	0	0	0	0	0
City Hall	Cambridge & Atlantic Ave	Public Works	0	0	1	0	0	0	0	0	0
Ventnor Educational Community	400 n. Lafayette Avenue	School	1	0	1	0	0	0	0	0	0
Holy Family	30 south Portland ave.	School	1	0	1	0	0	0	0	0	0
Canal Pump Station	Harvard / Fulton	Water Supply Facility	1	0	1	0	0	1	0	0	0
Lily Park Pump Station	5301 Winchester Ave	Water Supply Facility	0	0	0	0	0	0	0	0	0
Main Plant/Chlorine Room	N Cornwall/Winchester	Water Supply Facility	0	0	0	0	0	0	0	0	0
Well 8/Chlorine Room	Surrey/Calvert	Water Supply Facility	0	0	0	0	0	0	0	0	0
Well 10/Chlorine Room	Balfour Ave	Water Supply Facility	0	0	0	0	0	0	0	0	0
<b>Total</b>			<b>6</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

## Summary of Estimated Potential Losses from Hazards

Estimated annual losses provided in this section are based on best available data, and the methodologies applied result in an approximation of risk. Loss estimates should be used to understand relative risk from hazards.

Uncertainties are inherent in any loss estimation methodology, arising in part from incomplete scientific knowledge concerning natural hazards and their effects on the built environment. Uncertainties also result from approximations and simplifications that are necessary for a comprehensive analysis (i.e., incomplete inventories, demographics or economic parameters).

It is important to note that this table reflects estimates of average annual damages. For any hazard, individual event damages could be substantially (orders of magnitude) higher.

Only hazards for which annual losses were quantified and presented in Section 3C are included in this table.

Summary of Estimated Potential Losses From Hazards		
City of Ventnor City		
Quantified Hazard	Annualized Loss	Annual Loss Ratio
Extreme Wind	\$323,000	0.033%
Hurricane and Tropical Storm	\$1,354,000	0.070%
Lightning	\$2,800	0.000%
Tornado	\$800	0.000%
Drought*	\$0	0.000%
Winter Storm	\$8,800	0.001%
Coastal Erosion	\$0	0.000%
Flooding (Riverine)	\$0	0.000%
Storm Surge (Coastal Flooding)	\$15,129,000	0.750%
Earthquake	\$19,000	0.001%

\*Derived from crop values

## Outreach to the Public and Other Stakeholders

As part of this 2022 Plan Update, City of Ventnor City undertook various activities to: (a) alert the public and other stakeholders to the fact that the HMP Planning Committee was working to develop the update; and (b) provide the public and other stakeholders with a forum to ask questions and submit comments and suggestions on the process. Outreach activities undertaken by City of Ventnor City included those listed below. No comments were recorded as a result of the outreach activities.

Outreach Activities			
Date of Activity	Type of Activity	Activity Details	Lead Department and/or Staff Title who Undertook Activity
August 4		National Night Out in Ventnor Event. Display at event sites.	OEM
September 12		Ironman Run on Boardwalk. Display at event site.	OEM
January 8 & 15 February 11 & 19 March 12 & 19		Commission Workshops & Meetings. Mayor read into the record statement of HMPG information	Mayor / OEM
April 9 & 16 May 4 & 7 June 11 & 18 July 9 & 16		Commission Workshops & Meetings. Mayor read into the record statement of HMPG information	Mayor / OEM
May & June		Plan update fact sheets posted at library and in City Hall.	OEM / Code Enforcement
October 2020	CRS 330	Letter/flyer to all residents. This included information on the hazard mitigation plan update along with information that is at the library for residents to take.	Code Enforcement / Floodplain Manager
November 2020	CRS 320/360 M-1	Map information to residents. Mailed letter to residents and website information lead to office visits and phone calls to discuss the hazard mitigation plan update.	Code Enforcement / Floodplain Manager

Outreach Activities			
Date of Activity	Type of Activity	Activity Details	Lead Department and/or Staff Title who Undertook Activity
August 2020	CRS 330	Letter to realtors for notification flood information. Phone calls and office visits from local real estate offices to review the hazard mitigation plan update. Also, letters to residents for repetitive loss.	Code Enforcement / Floodplain Manager
June 2021		Shalom House presentation to residents	OEM / Code / Police
August 13&20 September 10&17 October 8&15 November 12&19 December 10&17		Commission Workshops & Meetings. Mayor read into the record statement of HMPG information	Mayor / OEM

## Capability Assessment

This section describes the following capabilities of City of Ventnor City:

- Legal and regulatory capability
- Administrative and technical capability
- Fiscal capability
- Community resiliency
- Community political capability

As part of the 2022 Plan update, each participating jurisdiction reevaluated the capabilities they had provided for the 2016 Plan, and sent updates to the consultant for incorporation into this plan section. City of Ventnor City has reviewed its responses from the 2016 Plan and has updated its prior feedback to reflect present-day conditions.

Legal and Regulatory Capability	
Regulatory Tools (Codes, Ordinances, Plans)	Do you have this?
Building Code	Y
Zoning Ordinance	Y
Subdivision Ordinance	Y
Special Purposes Ordinance	Y
Growth Management Ordinance	Y
Site Plan Review Requirements	Y
Comprehensive Plan	Y
Capital Improvements Plan	Y
Economic Development Plan	Y
Emergency Response Plan	Y
Post-Disaster Recovery Plan	Y
Post-Disaster Recovery Ordinance	Y
Real Estate Disclosure Ordinance	N
Evacuation Plan	Y

<b>Administrative and Technical Capability</b>	
<b>Regulatory Tools (Codes, Ordinances, Plans)</b>	<b>Do you have this?</b>
Planner(s) with knowledge of land development and management practices	Y
Engineer(s) with knowledge of land development and management practices	Y
Planner(s) or engineer(s) with knowledge of land development and management practices	Y
Engineer(s) or professional(s) trained in construction practices related to buildings and/or infrastructure	Y
Planner(s) or engineer(s) with an understanding of natural and/or human caused hazards	Y
Floodplain manager	Y
Surveyors	Y
Staff with education or expertise to assess the community's vulnerability to hazards	Y
Personnel skilled in GIS and/or HAZUS	Y
Scientists familiar with the hazards of the community	Y
Emergency Manager	Y
Code Enforcement Official	Y
Public Works or Highway Superintendent	Y
Emergency Management Coordinator	Y

<b>Fiscal Capability</b>	
<b>Financial Resources</b>	<b>Accessible or Eligible to use</b>
Community Development Block Grants (CDBG)	Y
Capital Improvements Project Funding	Y
Authority to Levy Taxes for Specific Purposes	Y
Fees for Water, Sewer, Gas, or Electric Service	Y
Impact Fees for Homebuyers or Developers for New Developments/Homes	Y
Incur Debt through General Obligation Funds	Y
Incur Debt through Special Tax and Revenue Bonds	Y
Incur Debt through Private Activity Bonds	Y
Withhold Spending in Hazard-Prone Areas	Y
Other (i.e., coastal, sustainability, or climate change initiatives; or Brownfield funds)	Y

Would you classify your community's <u>legal and regulatory</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>technical</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>fiscal</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your community's overall <u>administrative</u> capability to implement hazard mitigation strategies as high, moderate, or low?	Would you classify your political leadership's willingness to enact policies and programs that reduce hazard vulnerabilities in your community as high, moderate, or low - <u>even</u> if met with opposition? (i.e., guiding development away from identified hazard areas)?
HIGH	HIGH	MODERATE	HIGH	HIGH
Discuss ways of bridging identified gaps in your local capabilities to ensure that they are in-line with your mitigation actions and goals.				
Reaching out to County and State officials to remedy some community issues. Looking for grant money. Use tax money for hazard mitigation. Increase staffing to assist with outreach and mitigation.				

## Plan Integration

It is the intention of City of Ventnor City to incorporate mitigation planning as an integral component of daily municipal operations. The balance of this subsection describes local accomplishments over the last planning cycle (2016-2021), and targeted activities for the next planning cycle (2022-2027), as reported by the City's CPG member and shared with the consultant for incorporation here.

Demonstration of Progress over the Last Planning Cycle (2016-2021) – City of Ventnor City undertook the following plan integration mechanisms over the last planning cycle:

- Higher standards have been increased to 3ft of freeboard from 2 in all zones.*
- Public works continuously clean drainage systems as needed*
- Floodplain manager maintains all regulations are being followed.*
- Chapter 126 of Ventnor City Code*
- Raising height of seawalls and bulkheads*
- Allow structure height to be increased using 4ft of free board (option given)*

Targeted Plan Integration Activities for the Next Planning Cycle (2022-2027) – City of Ventnor City plans to implement the following plan integration mechanisms into local government operations from this point forward through the next planning cycle:

*Same as above on all phases.*

## **Mitigation Strategy**

This subsection sets forth the mitigation strategy for City of Ventnor City. It describes, in the following order:

- Progress on 2016 Plan Actions
- Hazard Mitigation Accomplishments
- Proposed 2022 Plan Mitigation Actions
- Action Worksheets

### **Progress on 2016 Plan Actions**

The following table was completed by the City of Ventnor City JAT Committee Members. It summarizes the progress that was made on the local hazard mitigation initiatives that were set forth in the last version of the plan in 2016.

City of Ventnor City has identified no major changes in priorities since the last version of the plan.

PROGRESS ON 2016 HAZARD MITIGATION PLAN INITIATIVES												
2016 Plan Initiative Number	Mitigation Initiative Description	2016 Plan Priority	Hazard(s) Mitigated	Lead and Support Agencies	Status				Status Details	Relevance		Relevance Details
					Completed	Initiated but Not Completed	Ongoing Type of Activity	Not Initiated		Still Relevant - Carry Forward to Updated Mitigation Strategy	No Longer Relevant - Omit from Updated Mitigation Strategy	
1	Purchase generators to supply power to St. James Memorial Hall which will be used for a shelter.	High	All hazards	OEM, Public Safety	x				City received a \$100,000 mitigation grant and installed a permanent generator at St. James Memorial Hall and at the Community Building		x	Completed project no need to move forward to new plan.
2	New bulkheading along Winchester Avenue from Jackson to Dorset	High	Hurricane and tropical storms, nor'easters, coastal erosion, flooding, storm surge, wave action	Building Dept / Public Works		x			Combining projects in new plan	x		Needed for flooding
3	Elevate Fire House #2 so it is no longer flooded when Wellington Avenue floods. This will protect the building itself and the apparatus housed within it, and will improve overall continuity of operations. *Note: This project works hand-in-hand with Ventnor City Project #4, which is to elevate Wellington Avenue itself, which will maintain access route to/from the station.	High	Hurricane and tropical storms, nor'easters, coastal erosion, flooding, storm surge	Engineer	x				Completed		x	Completed project no need to move forward to new plan.
4	Elevate Wellington Avenue so that initial flooding will not wash out evacuation road.	High	Hurricane and tropical storms, nor'easters, coastal erosion, flooding, storm surge	Engineer / OEM		x			Need Atlantic County assistance with this project	x		Due to flooding
5	Code enforcement: Enforcement of State and Local Building Codes with Continual CEO training. (prevention)	High	All	Building Dept / Public Works			x		Ongoing with code enforcement to adopt/enforce building codes to reduce repetitive loss, reduce flood insurance rates	x		Need to keep enforcement of codes
6	Work with city and planning board engineer along with city solicitor to ensure building codes meet state requirements	High	All hazards	Building Dept / Public Works				x	Need Atlantic County assistance with this project	x		Need to keep enforcement of codes
7	Distribution of flyers, posting information on website, newsletter and Facebook page. Public awareness program on Hazards, Prevention, and Mitigation: County will maintain a hazard mitigation and mitigation planning web presence (local municipal web sites to link up to this site, if they haven't already done so); all participating jurisdictions to support preparation of a joint	High	All hazards	Director of IT			x		Will continue to update to keep residents and visitors aware	x		Keeping residents informed along with visitors is very important. Outreach is a priority.

PROGRESS ON 2016 HAZARD MITIGATION PLAN INITIATIVES												
2016 Plan Initiative Number	Mitigation Initiative Description	2016 Plan Priority	Hazard(s) Mitigated	Lead and Support Agencies	Status				Status Details	Relevance		Relevance Details
					Completed	Initiated but Not Completed	Ongoing Type of Activity	Not Initiated		Still Relevant - Carry Forward to Updated Mitigation Strategy	No Longer Relevant - Omit from Updated Mitigation Strategy	
	annual hazard mitigation and mitigation planning fact sheet and its distribution; periodic discussion of hazard mitigation and the mitigation plan at other regular local meetings; use of annual flyers, newsletters, advertisements, or radio/tv announcements, etc. at the discretion of each jurisdiction (incorporating as much free information as possible from the FEMA Publications Warehouse and other appropriate sources).											
8	Installation of pumping stations for flood mitigation	High	Hurricane and tropical storms, nor'easters, flooding, storm surge	Engineer		x			Moving forward and in the process of rebidding this project	x		Needed for flooding
9	Installation of backup power generators at following pump stations: Lafayette Ave, City Yard (Cornwall Ave), Fulton & Harvard Ave	High	All hazards	Engineer		x			Moving forward and in the process of rebidding this project	x		Need to proceed to keep station running if power fails
10	Elevate & recondition pump stations at Lafayette Ave, Fulton & Harvard, City Yard (Cornwall)	High	Hurricane and tropical storms, nor'easters, flooding, storm surge	Engineer		x			Moving forward and in the process of rebidding this project	x		due to flooding and to keep system running
11	Install over 40 check valves on storm drain outfall pipes	High	Hurricane and tropical storms, nor'easters, flooding, storm surge	Engineer	x				completed		x	completed in various areas
12	Installation of city wide warning system for notification of residents and visitors	High	All	OEM/Mayor		x			working on new quotes for both siren and voice notification with system for flooding and other related weather incidents	x		looking for updated quotes.

## Hazard Mitigation Accomplishments (2016-2021)

The State of New Jersey 2019 HMP (Section 3, Page 3-30) requires identification of mitigation activities as an essential element of a local plan review. Information on the status of long-range mitigation strategies shall be contained in the original plan. Self-funded mitigation initiatives as well as past FEMA funded projects should be documented. The following table summarizes past mitigation accomplishments in City of Ventnor City since the last version of the plan was adopted in 2016.

Past Mitigation Accomplishments				
Project	Status		Funding Source	Relationship to Plan
	Approved/Active Year	Completed Year		
Generators installed at St James and Community Center	1	2019	\$100,000 mitigation grant	In the Plan
Fire House #2 elevated	3	2020	City budgetary item	In the Plan
40 check valves installed on storm outflow pipes	11	2018	City budgetary item	In the Plan

## Proposed 2022 Plan Mitigation Actions

The process for selection and prioritization of mitigation actions is described in greater detail in Section 6 of the main text. The outcomes of that overall process are summarized here.

This plan proposes the actions determined to be the most appropriate for the resources and capabilities of City of Ventnor City based on the experience of local officials, with input from the public and other stakeholders. Potential actions were reviewed relative to potential financial as well as administrative and legal costs and the degree to which they would be endorsed by the public. Potential actions were reviewed during the meetings relative to their potential benefit of effectiveness in saving lives, protecting the natural environment, and reducing disruption and damage. Actions selected by each jurisdiction include activities to protect existing and future structures and infrastructure and enhance community resilience.

Part of enhancing community resilience involves adapting to a changing climate. This plan's risk assessment includes information on climate change as part of the hazard vulnerability analysis and contain strategies/projects to address increased vulnerability that may result from climate change. By developing mitigating strategies and/or projects for hazards that are exacerbated by climate change, jurisdictions will better protect residents, avoid, or reduce damage to property and public infrastructure, and reduce personal hardship. Previous sections of this plan have presented information on how climate change may affect jurisdictional vulnerability or increased frequency of occurrence and/or severity in exposure to the identified hazards. Climate change is addressed by mitigating the various hazards that it exacerbates. City of Ventnor City has proposed a range of hazard mitigation initiatives to address their highest hazards including those hazards that are exacerbated by a changing climate.

Action priorities were determined by a qualitative prioritization process. A higher priority was assigned to projects where: the life/safety risk of taking no action was deemed to be unacceptably high; the project addresses one of the community's highest hazards and/or key risks; benefits were projected to equal or exceed project costs; critical facilities or key local assets were being protected; funding and staff resources were deemed to be sufficient and/or accessible for project implementation; the project is technically feasible and the community determined their legal authority to implement the action; negative environmental and/or social impacts were not identified during the assessment, or were very minimal; and/or where there was overall support for the project from the local community (government officials, public, and stakeholders).

Detailed Action Worksheets for each action item in the strategy are presented in the following pages.

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Ventnor City</i>
Community action number	<i>Ventnor City #1</i>
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>Hurricane and tropical storms, nor'easters, coastal erosion, flooding, storm surge, wave action</i>
Risk finding	<i>There are 5 areas of over 600 linear feet of bulkhead that have or will fail, such failure will erode land adjacent including roadways. Some areas are repetitive loss areas.</i>
<b>Describing the Action</b>	
Action category	<i>Structural project</i>
Action type	<i>Bulkhead Improvements</i>
Action description	<i>New bulkheading along Winchester Avenue from Jackson to Dorset</i>
Existing, future &/or NA	<i>Existing &amp; future development</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>The failure of roadways and sidewalks could cost over 2 million dollars to repair if project is not implemented.</i>
Cost estimate	<i>\$1,976,605</i>
Cost effectiveness (i.e., benefit/cost)	<i>Ventnor has periodic property damaging storms. The bulkhead project will protect against erosion and flooding.</i>
Technical	<i>Installation is practical and effective</i>
Political	<i>Ventnor is located on Absecon Island. Any erosion prevention project benefits all residents.</i>
Legal	<i>Yes</i>
Environmental	<i>No legal issues</i>
Social	<i>No adverse environmental issues</i>
Administrative capability	<i>Ventnor will need to bid contract for installation.</i>
Local champion	<i>Engineering Dept</i>
Other community objectives	<i>Protecting private/public property sidewalks and roadways benefits all residents</i>
<b>Implementing the Action</b>	
Priority	<i>High</i>
Local planning mechanism	<i>Floodplain Ordinance</i>
Responsible party	<i>Building Dept / Public Works</i>
Potential funding sources	<i>HMPG / LCC / Homeowner</i>
Time line	<i>2021-2026</i>
<b>Reporting on Progress</b>	
Action progress status	<i>In process</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #2</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>Hurricane and tropical storms, nor'easters, coastal erosion, flooding, storm surge</i>
<b>Risk finding</b>	<i>'Wellington Ave extends from Dorset Ave in Ventnor to Albany Ave in Atlantic City. It is a main evacuation route during storms. Repetitive flooding of Wellington Avenue. Fire House #2 is located on Wellington Avenue.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Structure and infrastructure projects</i>
<b>Action type</b>	<i>Protect critical infrastructure</i>
<b>Action description</b>	<i>Elevate Wellington Avenue so that initial flooding will not wash out evacuation road.</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing and future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>If main access / evacuation route is unavailable lives could be lost. Elevated roadway would be secure in weather emergencies.</i>
<b>Cost estimate</b>	<i>\$5,000,000.00</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>Any life lost would be tragic. Money spent now will secure this critical evacuation route</i>
<b>Technical</b>	<i>Installation is practical and effective</i>
<b>Political</b>	<i>Residents in both towns understand how important this route is</i>
<b>Legal</b>	<i>Any legal questions should be easily resolved</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>Ventnor will work with Atlantic County to partner on project</i>
<b>Local champion</b>	<i>Engineer / OEM</i>
<b>Other community objectives</b>	<i>Capital Improvement</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Flood plain ordinance</i>
<b>Responsible party</b>	<i>Engineer / OEM</i>
<b>Potential funding sources</b>	<i>HMPG / City / Atlantic County</i>
<b>Time line</b>	<i>2021-2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>In process</i>

## Action Worksheet

<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #3</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All</i>
<b>Risk finding</b>	<i>Risks can increase unnecessarily when existing codes are not consistently and appropriately enforced.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Local planning and regulations</i>
<b>Action type</b>	<i>Adopt and enforce building codes</i>
<b>Action description</b>	<i>Code enforcement: Enforcement of State and Local Building Codes with Continual CEO training. (prevention)</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing and future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>Safety in weather emergencies (storms) will ensure stability of housing stock and city ratable base. Unquantifiable, but expected to be relatively high as compared to costs as losses are avoided over time.</i>
<b>Cost estimate</b>	<i>\$10,000</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>Several north New Jersey municipalities lost multiple tens of millions of housing stock ratable base due to Superstorm Sandy devastation. This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than the costs.</i>
<b>Technical</b>	<i>Mandated by FEMA in order to guarantee assistance in case of weather destruction of houses and infrastructure.</i>
<b>Political</b>	<i>Prevention based upon FEMA guidelines helps to reduce flood insurance rate increases</i>
<b>Legal</b>	<i>Yes</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>Ventnor City Building Code Official / Flood Plain Manager</i>
<b>Local champion</b>	<i>Building Code Official</i>
<b>Other community objectives</b>	<i>Capital Improvement / Economical Development</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Floodplain Ordinance</i>
<b>Responsible party</b>	<i>Building Dept / Public Works</i>
<b>Potential funding sources</b>	<i>HMPG / LCC / Homeowner</i>
<b>Time line</b>	<i>2021-2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>In process</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #4</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All hazards</i>
<b>Risk finding</b>	<i>Local codes and ordinances can be updated to address natural disaster mitigation techniques (or, if already included, they can be re-evaluated to improve upon or expand the mitigation approach).</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Local planning and regulations</i>
<b>Action type</b>	<i>Adopt and enforce building codes</i>
<b>Action description</b>	<i>Work with city and planning board engineer along with city solicitor to ensure building codes meet state requirements</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing and future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>Unquantifiable, but expected to be relatively high as compared to costs as losses are avoided over time (particularly if litigation is involved - which could expose city to millions of dollars of liability)</i>
<b>Cost estimate</b>	<i>50,000</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than the costs.</i>
<b>Technical</b>	<i>This action is generally deemed to be a technically feasible component of a community mitigation strategy</i>
<b>Political</b>	<i>Residents want homes and business properties built to state standards for safety and resale value</i>
<b>Legal</b>	<i>yes</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>local</i>
<b>Local champion</b>	<i>Ventnor City building code official</i>
<b>Other community objectives</b>	<i>Capital improvement &amp; economical development</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Floodplain Ordinance</i>
<b>Responsible party</b>	<i>Building Dept / Public Works</i>
<b>Potential funding sources</b>	<i>HMPG / LCC / Homeowner</i>
<b>Time line</b>	<i>2021-2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>In process</i>

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Ventnor City</i>
Community action number	<i>Ventnor City #5</i>
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>All hazards</i>
Risk finding	<i>'The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households undertook low-cost or no-cost small-scale mitigation activities. According to the community rating system awareness of challenges and problems leads to solutions. The public must know before they can resolve a problem.</i>
<b>Describing the Action</b>	
Action category	<i>Education and awareness programs</i>
Action type	<i>Multi-hazard education and risk awareness</i>
Action description	<i>Distribution of flyers, posting information on web-site, newsletter and Facebook page. Public awareness program on Hazards, Prevention, and Mitigation: County will maintain a hazard mitigation and mitigation planning web presence (local municipal web sites to link up to this site, if they haven't already done so); all participating jurisdictions to support preparation of a joint annual hazard mitigation and mitigation planning fact sheet and its distribution; periodic discussion of hazard mitigation and the mitigation plan at other regular local meetings; use of annual flyers, newsletters, advertisements, or radio/tv announcements, etc. at the discretion of each jurisdiction (incorporating as much free information as possible from the FEMA Publications Warehouse and other appropriate sources).</i>
Existing, future &/or NA	<i>Existing, future, development</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>Unquantifiable, but expected to be relatively high as compared to costs as losses are avoided over time. Prior knowledge leads to positive solutions. Positive solutions mitigate damage.</i>
Cost estimate	<i>\$50,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than the costs of outreach activities. The more residents know of the problems, the easier will be the solution. Positive solutions help all residents.</i>
Technical	<i>Implementation by IT</i>
Political	<i>Flood &amp; storm damage is an everyday issue on Absecon Island. Solutions help everyone.</i>
Legal	<i>No legal issues</i>
Environmental	<i>No legal issues</i>
Social	<i>No adverse environmental issues</i>
Administrative capability	<i>Ventnor will implement this program</i>
Local champion	<i>IT</i>
Other community objectives	<i>Economic Development</i>
<b>Implementing the Action</b>	
Priority	<i>High</i>
Local planning mechanism	<i>Media Policy</i>
Responsible party	<i>Director of IT</i>
Potential funding sources	<i>City / County / Grant</i>
Time line	<i>2021-2025</i>
<b>Reporting on Progress</b>	
Action progress status	<i>In process</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #6</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>Hurricane and tropical storms, nor'easters, flooding, storm surge</i>
<b>Risk finding</b>	<i>Periodic flooding from high tides, storms, and hurricanes in the area North and East of Doreset Ave causes flooding of residences, roadways, and sidewalks.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Structure and infrastructure projects</i>
<b>Action type</b>	<i>Protect critical facilities</i>
<b>Action description</b>	<i>Installation of storm water pumping stations for flood mitigation at Freemont &amp; Little Rock Avenues and at Derby &amp; Marshall Avenues</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing &amp; future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>Residential homes in target area periodically flood, roadways and sidewalks impacted. Mitigated area would deteriorate at slower rate. Approximately 300-500 homes in Ventnor Heights would be impacted in a positive way. Less damage to homes, roadways, sidewalks.</i>
<b>Cost estimate</b>	<i>\$1.5 million for each pump station</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than the costs of the pump stations.</i>
<b>Technical</b>	<i>Installation is practical and effective</i>
<b>Political</b>	<i>Every resident in target area would support project.</i>
<b>Legal</b>	<i>No legal issues</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>Ventnor will need to contract for installation</i>
<b>Local champion</b>	<i>Public Works</i>
<b>Other community objectives</b>	<i>Capital Improvement</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Plans drawn by engineer</i>
<b>Responsible party</b>	<i>Engineer</i>
<b>Potential funding sources</b>	<i>NJEIT / Atlantic County / Ventnor City</i>
<b>Time line</b>	<i>2021-2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>Researching funding options.</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #7</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All hazards</i>
<b>Risk finding</b>	<i>Periodically during weather emergencies Ventnor goes off the electric power grid. When the grid is down, power is lost to the pump stations at Lafayette Ave, City Yard (Cornwall Ave), and Fulton and Harvard Ave. When the pump stations are inoperable, residents must evacuate their homes due to a lack of water and sewer. Ensuring continuous and backup power sources for the pump stations would solve this problem.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Structure and infrastructure projects</i>
<b>Action type</b>	<i>Protect critical facilities</i>
<b>Action description</b>	<i>Installation of backup power generators at following pump stations: Lafayette Ave, City Yard (Cornwall Ave), Fulton &amp; Harvard Avenues, and Freemont &amp; Little Rock.</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing &amp; future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>If residents must evacuate their homes in a weather event due to a lack of water &amp; sewer, the cost could be several hundred thousand dollars per event. The proposed pump station generators will allow residents to inhabit their homes in a normal manner during weather emergencies. Benefits are unquantifiable, but are expected to be relatively high as compared to costs as losses are avoided over time.</i>
<b>Cost estimate</b>	<i>\$200,000 each</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than the project costs.</i>
<b>Technical</b>	<i>Installation is practical and effective</i>
<b>Political</b>	<i>Every resident wants water and sewer available 24 hours a day, 7 days a week. This project meets that goal.</i>
<b>Legal</b>	<i>No legal issues</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>Ventnor will need to contract for installation</i>
<b>Local champion</b>	<i>Engineer / Public Works</i>
<b>Other community objectives</b>	<i>Capital Improvement - Environmental quality</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Plans drawn by engineer</i>
<b>Responsible party</b>	<i>Engineer</i>
<b>Potential funding sources</b>	<i>New Jersey Environmental Infrastructure Trust</i>
<b>Time line</b>	<i>2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>Researching funding options.</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #8</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All hazards</i>
<b>Risk finding</b>	<i>CRS recommends having a warning system in place so residents can be notified city wide. Without adequate warning, residents and visitors may lack sufficient time to take protective measures and/or evacuate.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Preparedness/Response Activities</i>
<b>Action type</b>	<i>Early Warning Systems - Siren and Public Address</i>
<b>Action description</b>	<i>Installation of city wide warning system for notification of residents and visitors</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing assets and people</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>Notification of residents and visitors are vital during any type of event, weather, evacuation, and tornados. Unquantifiable, but expected to be relatively high as compared to costs as losses are avoided over time.</i>
<b>Cost estimate</b>	<i>\$500,000</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>Early detection and warning to residents and visitors is crucial. This action is likely to be cost-effective, with losses avoided over time anticipated to be greater than its costs.</i>
<b>Technical</b>	<i>Installation is practical and effective</i>
<b>Political</b>	<i>In any type of event residents and visitors need to be kept aprised as to the situations at hand</i>
<b>Legal</b>	<i>yes</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse enviornmental issues</i>
<b>Administrative capability</b>	<i>Ventnor will need to bid contract for purchase and install</i>
<b>Local champion</b>	<i>OEM/Mayor</i>
<b>Other community objectives</b>	<i>Protection and notification of all residents and visitors benefits the entire city along with the merchants</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>CRS</i>
<b>Responsible party</b>	<i>OEM/Mayor</i>
<b>Potential funding sources</b>	<i>Capital Improvements / HMPG</i>
<b>Time line</b>	<i>2021-2025</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>In process</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>Ventnor City</i>
<b>Community action number</b>	<i>Ventnor City #9</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>Hurricane and tropical storms, nor'easters, flooding, storm surge</i>
<b>Risk finding</b>	<i>Pump stations at Lafayette Ave, City Yard (Cornwall Ave), and Fulton and Harvard Ave are currently susceptible to flooding. Must be elevated above base flood elevation.</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Structure and infrastructure projects</i>
<b>Action type</b>	<i>Protect critical facilities</i>
<b>Action description</b>	<i>Elevate &amp; recondition pump stations at Lafayette Ave, Fulton &amp; Harvard, City Yard (Cornwall)</i>
<b>Existing, future &amp;/or NA</b>	<i>Existing &amp; future development</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>If pump stations flood, Ventnor's water &amp; sewer operations cease causing wide spread evacuations at considerable dollar loss.</i>
<b>Cost estimate</b>	<i>\$500,000</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>Every evacuation costs money in local merchant sales loss, spending for food and shelter, etc.</i>
<b>Technical</b>	<i>Installation is practical &amp; effective</i>
<b>Political</b>	<i>Every resident wants to stay in their home, not evacuate. Local residents will support this project.</i>
<b>Legal</b>	<i>No legal issues</i>
<b>Environmental</b>	<i>No legal issues</i>
<b>Social</b>	<i>No adverse environmental issues</i>
<b>Administrative capability</b>	<i>Ventnor will need to contract for installation</i>
<b>Local champion</b>	<i>Engineer - Public Works</i>
<b>Other community objectives</b>	<i>Capital improvements - environmental quality</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Plans drawn by Engineer</i>
<b>Responsible party</b>	<i>Engineer</i>
<b>Potential funding sources</b>	<i>New Jersey Environmental Infrastructure Trust</i>
<b>Time line</b>	<i>2022-2024</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>Planned</i>

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Ventnor City</i>
Community action number	<i>Ventnor City #10</i>
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>Hurricane and tropical storms, nor'easters, flooding, storm surge</i>
Risk finding	<i>Ventnor Heights is a suburban section of Ventnor located on a former marsh island. It is physically separated from Absecon Island by a tidal thoroughfare. The lower part of Ventnor Heights nearest the Dorset Avenue bridge is of interest because of its concentration of repetitive loss properties, low elevation, older housing stock compared to the rest of the neighborhood, and prevalence of year-round occupancy. The Study Area, defined roughly by Calvert Avenue to the north and the surrounding waterways on the remaining sides, comprises approximately 400 housing units and 736 people as of the 2010 Census. Elevations in the Study Area range from approximately three feet NAVD88 on streets near the Bay to approximately six feet NAVD88 on some blocks. Most homes are built where the grade of the surrounding land is approximately four to five feet NAVD88. By comparison, homes in the newer section of the Heights are built where the grade is closer to seven feet NAVD88. The neighborhood is protected by a system of bulkheads owned by private property owners, which are at varied heights and materials.</i>
<b>Describing the Action</b>	
Action category	<i>Structure and infrastructure projects</i>
Action type	<i>Protect critical facilities</i>
Action description	<i>The City has received a FEMA scoping grant which will fund the evaluation of this area and make recommendations for improvements.</i>
Existing, future &/or NA	<i>Existing &amp; future development</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>When area floods, Ventnor's water &amp; sewer operations cease causing wide spread evacuations and damage to homes at considerable dollar loss.</i>
Cost estimate	<i>\$5,000,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Reduction of repetitive loss properties, protection of hundreds of NFIP insured properties, every evacuation costs money in local merchant sales loss, spending for food and shelter, etc.</i>
Technical	<i>Installation is practical &amp; effective</i>
Political	<i>Supported</i>
Legal	<i>No legal issues</i>
Environmental	<i>No legal issues</i>
Social	<i>No adverse environmental issues</i>
Administrative capability	<i>Ventnor will need to contract for installation</i>
Local champion	<i>Engineer - Public Works</i>
Other community objectives	<i>Capital improvements - environmental quality</i>
<b>Implementing the Action</b>	
Priority	<i>High</i>
Local planning mechanism	<i>Plans drawn by Engineer</i>
Responsible party	<i>Engineer</i>
Potential funding sources	<i>New Jersey Environmental Infrastructure Trust, FEMA, NJDEP</i>
Time line	<i>2022-2024</i>
<b>Reporting on Progress</b>	
Action progress status	<i>Study Underway</i>

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>City of Ventnor</i>
Community action number	<i>11</i>
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>Flooding (Tidal and Rain)</i>
Risk finding	<i>Check valves and outlet structures may be not operating as designed.</i>
<b>Describing the Action</b>	
Action category	<i>Infrastructure</i>
Action type	<i>Flood mitigation, reduction</i>
Action description	<i>Inspect all check valves and replace/repair as needed.</i>
Existing, future &/or NA	<i>Existing structures</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>Reduce/eliminate flooding to roadways and homes</i>
Cost estimate	<i>\$250,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Reduction of repetitive loss claims, reduction of continual DPW costs and eligibility for CRS credits leading to lower NFIP rates for all residents and businesses</i>
Technical	<i>Technically feasible, Mitigates tidal and rainfall flooding for the long term</i>
Political	<i>Supported</i>
Legal	<i>No apparent legal issues</i>
Environmental	<i>No adverse effects.</i>
Social	<i>No adverse effects</i>
Administrative capability	<i>Local capability, but outside agencies for design and construction</i>
Local champion	<i>Commissioners, Committee(Floodplain) and Residents</i>
Other community objectives	<i>It will also mitigate flooding in local evacuation routes</i>
<b>Implementing the Action</b>	
Priority	<i>HIGH</i>
Local planning mechanism	<i>Capital Improvement Plan</i>
Responsible party	<i>City Engineer</i>
Potential funding sources	<i>FEMA, NJDEP, NJIT, etc.</i>
Time line	<i>2024</i>
<b>Reporting on Progress</b>	
Action progress status	<i>New Action</i>

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>City of Ventnor</i>
Community action number	12
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>All Hazards</i>
Risk finding	<i>Continue to work towards a lower CRS rating to reduce flood insurance cost for City property owners</i>
<b>Describing the Action</b>	
Action category	<i>Public Education</i>
Action type	<i>Planning</i>
Action description	<i>Continue to revise the Floodplain Management Plan, Repetitive Loss Analysis, Natural Resources Plan, Watershed Management Plan, mapping elevation certificates, and other actions.</i>
Existing, future &/or NA	<i>N/A</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>Reduce the potential for flooding, improve planning for further resiliency needs.</i>
Cost estimate	<i>\$25,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Highly cost effective, for a small outlay of funds, a much wider audience can be reached and reached in a near real time frame.</i>
Technical	<i>Technically feasible, no issues multiple employees on staff to utilize systems</i>
Political	<i>Supported</i>
Legal	<i>No apparent legal issues</i>
Environmental	<i>No adverse effects</i>
Social	<i>No adverse effects</i>
Administrative capability	<i>Local capability</i>
Local champion	<i>Local OEM Office along with First Responders and City Administrative Staff</i>
Other community objectives	<i>Provide up to date, near real time information when needed</i>
<b>Implementing the Action</b>	
Priority	<i>HIGH</i>
Local planning mechanism	<i>Local EOP</i>
Responsible party	<i>Local OEM Staff</i>
Potential funding sources	<i>FEMA and local budget</i>
Time line	<i>Ongoing</i>
<b>Reporting on Progress</b>	
Action progress status	<i>Ongoing</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>City Of Ventnor</i>
<b>Community action number</b>	<i>13</i>
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All</i>
<b>Risk finding</b>	<i>Flooding in low lying areas</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Human Life and structure and Infrastructure</i>
<b>Action type</b>	<i>preservation of public health and safety, structures and natural resources</i>
<b>Action description</b>	<i>Close bulkhead gaps; Elevate bulkheads (Public and Private) Newport, Portland, Edgewater, evaluate piping system for the Ventnor Gardens Pump Station.</i>
<b>Existing, future &amp;/or NA</b>	<i>Future</i>
<b>Evaluating the Action</b>	
<b>Losses avoided</b>	<i>Damage to homes and infrastructure would be avoided.</i>
<b>Cost estimate</b>	<i>\$1,500/lf</i>
<b>Cost effectiveness</b>	<i>Project is cost effective compared to overall health and safety to citizens</i>
<b>Technical</b>	<i>Technically feasible</i>
<b>Political</b>	<i>Public support and commissioner's support</i>
<b>Legal</b>	<i>City has legal authority</i>
<b>Environmental</b>	<i>yes, all are environment actions are positive. Mitigation to storm events</i>
<b>Social</b>	<i>none</i>
<b>Administrative capability</b>	<i>City Engineer</i>
<b>Local champion</b>	<i>Commissioners</i>
<b>Other community objectives</b>	<i>Serve as an environmental benefit.</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>City Engineer</i>
<b>Responsible party</b>	<i>administration</i>
<b>Potential funding sources</b>	<i>FEMA, NJDEP, NJIT, etc.</i>
<b>Time line</b>	<i>Pending funding</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>New action</i>

<b>Action Worksheet</b>	
<b>Your plan name</b>	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
<b>Your community name</b>	<i>City Of Ventnor</i>
<b>Community action number</b>	14
<b>Assessing the Risk</b>	
<b>Hazard(s) addressed</b>	<i>All</i>
<b>Risk finding</b>	<i>Localized Flooding</i>
<b>Describing the Action</b>	
<b>Action category</b>	<i>Human Life and structure and Infrastructure</i>
<b>Action type</b>	<i>preservation of public health and safety, structures and natural resources</i>
<b>Action description</b>	<i>Continue the apply for FEMA Funding to elevate homes.</i>
<b>Existing, future &amp;/or NA</b>	<i>Future</i>
<b>Evaluating the Action</b>	
<b>Losses avoided (i.e., benefits)</b>	<i>Damage to homes and infrastructure would be avoided.</i>
<b>Cost estimate</b>	<i>Approximately \$200,000 per home, all cost are paid by FEMA and the property owner, no cost to the City.</i>
<b>Cost effectiveness (i.e., benefit/cost)</b>	<i>Project is cost effective compared to overall health and safety to citizens and emergency workers.</i>
<b>Technical</b>	<i>Technically feasible as long as the FEMA funding is available and the property owner pays all matching costs.</i>
<b>Political</b>	<i>public support and council support</i>
<b>Legal</b>	<i>City has authority</i>
<b>Environmental</b>	<i>yes, all are environment actions are positive. Mitigation to storm events</i>
<b>Social</b>	<i>none</i>
<b>Administrative capability</b>	<i>Program is managed by outside consultants and paid for by FEMA and the home owners.</i>
<b>Local champion</b>	<i>Commissioners</i>
<b>Other community objectives</b>	<i>Serve as an environmental benefit.</i>
<b>Implementing the Action</b>	
<b>Priority</b>	<i>High</i>
<b>Local planning mechanism</b>	<i>Program is managed by outside consultants and paid for by FEMA and the home owners.</i>
<b>Responsible party</b>	<i>administration</i>
<b>Potential funding sources</b>	<i>FEMA, Private Property owners</i>
<b>Time line</b>	<i>Pending funding</i>
<b>Reporting on Progress</b>	
<b>Action progress status</b>	<i>New action</i>

<b>Action Worksheet</b>	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>City Of Ventnor</i>
Community action number	15
<b>Assessing the Risk</b>	
Hazard(s) addressed	<i>All</i>
Risk finding	<i>Flooding in low lying areas</i>
<b>Describing the Action</b>	
Action category	<i>Human Life and structure and Infrastructure</i>
Action type	<i>preservation of public health and safety, structures and natural resources</i>
Action description	<i>Contribute documentation for and work with the US Army Corps of Engineers New Jersey Back Bays Coastal Storm Risk Management Study. As the project progresses, Somers Point will adjust its mitigation activities considering more comprehensive improvements planned by the Army Corps.</i>
Existing, future &/or NA	<i>Future</i>
<b>Evaluating the Action</b>	
Losses avoided (i.e., benefits)	<i>Damage to homes and infrastructure would be avoided.</i>
Cost estimate	<i>NA</i>
Cost effectiveness (i.e., benefit/cost)	<i>Project is cost effective compared to overall health and safety to citizens and emergency workers.</i>
Technical	<i>Technically feasible</i>
Political	<i>Public support and commissioner's support</i>
Legal	<i>City has legal authority</i>
Environmental	<i>yes, all are environment actions are positive. Mitigation to storm events</i>
Social	<i>none</i>
Administrative capability	<i>City Engineer</i>
Local champion	<i>Commissioners</i>
Other community objectives	<i>Serve as an environmental benefit.</i>
<b>Implementing the Action</b>	
Priority	<i>High</i>
Local planning mechanism	<i>City Engineer</i>
Responsible party	<i>administration</i>
Potential funding sources	<i>USACE, NJDEP</i>
Time line	<i>2030</i>
<b>Reporting on Progress</b>	
Action progress status	<i>New action</i>