

Appendix Vol I.23 Keansburg Borough

Please find below the following documents specific to this jurisdiction that have been included as part of the plan update process.

- Summary Sheet
- Mitigation Action Table
- Mitigation Action Worksheets
- Capability Assessment
- Flood Zone Map
- Sea Level Rise Vulnerability Map
- Meeting Material



NFIP Statistics

1,690 *Polices In-force*

1,315 *Total Losses*

\$49,998,091 *Total Payments*

66 *Number of RL Properties*

17 *Number Mitigated
RL Properties*

138 *RL - Total Losses*

\$4,498,599 *RL - Total Paid*



0 *Number of SRL Properties*

0 *Number Mitigated SRL
Properties*

0 *SRL - Total Losses*

\$0 *SRL - Total Paid*

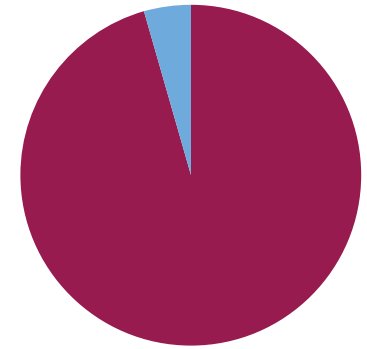
Critical Facilities



16 *Critical Facilities*

0 *Critical Infrastructure*

36 *Historic & Cultural Resources*



96%

Percent Land Area Within SFHA

52

*Total Mitigation
Actions*

1



Education and Awareness Programs

36



Structure and Infrastructure Projects

14



Local Plans and Regulations

1



Natural Systems Protection



4,090 *SV Population At Risk (2017)*

9,429 *Population at Risk (2017)*

Keansburg, Borough of

Monmouth County HMP Mitigation Action Summary

Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_01	Install Three Floodproofed Stormwater Pump Stations with Generators	Install three new floodproofed stormwater pump stations in the borough with a permanent back-up generator at each and to floodproof two existing pump stations and install a back-up generator at each station. As well as remove and replace the existing deteriorated storm water collections infrastructure.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Borough Administrator	FEMA HMA, Borough funding	\$25,000,000.00	1 year	Ongoing
23_02	Relocate the Police Headquarters and Emergency Operation Center out of Flood Area	Relocate the police headquarters and emergency operation center from 179 Carr Avenue to a vacant property in the Borough.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge			Borough Administrator	FEMA HMA, Borough funding	\$6,400,000.00		Completed
23_03	Extend Bulkhead and Dredge Waackaack Creek	Extend bulkhead for the entire length of Waackaack Creek as well as dredge the creek to increase stormwater storage capacity.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Borough Administrator	Borough Funding for dredging	\$22,500,000.00	1 year	Ongoing
23_04	Extend Beach Width, Increase Sand Dune Height, Conduct Dune Maintenance with Dune Grass, and Other Beach Mitigation Projects	Improve 2.6 miles of beach that is 200 feet wide that was substantially damaged due to storm surge. Need to increase the height and width of the dunes to the 100-year storm elevation. Also included in this project is dune maintenance planting dune grass, maintaining access points, sacrificial beach berm, groins, levees, floodwall, a storm closure gate, and a pump station.As an active U.S. Army Corps of Engineers beach replenishment project, material available from Federal channels could potentially be used to replenish the beach and could help absorb flood events along the long shoreline; upland dune enhancement is also proposed.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm	High	Medium	Borough Administrator	Monmouth County CDBG Program, Post Disaster CDBG Funding Program, Army Corp, FEMA HMA, NOAA The	\$7,383,750.00	1 year	Ongoing
23_05	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties	Mitigate approximately 3,843 homes.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Homeowners and/or Borough Administrator	FEMA HMA	\$345,870,000.00	1 year	Ongoing
23_06	Initiate a Tree Trimming/Pruning Program	Initiate a tree trimming and pruning to prevent downed power lines.	Maintenance/Response/Recovery	Natural Systems Protection	Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm	High	Low	Borough Administrator	Borough funding	\$135,000.00	1 year	Ongoing
23_07	Acquire Vacant Properties for Open Space	Purchase vacant homes throughout the borough for flood mitigation (to improve drainage).	Mitigation - Risk Reduction	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Homeowners and/or Borough Administrator	FEMA HMA, Borough funding, Blue Acres program	\$3,000,000.00	1 year	Ongoing

Keansburg, Borough of

Monmouth County HMP Mitigation Action Summary

Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_08	Develop a Backup Generator Plan	Develop a plan to acquire funding for emergency backup power generators in critical care facilities.	Administrative	Local Plans and Regulations	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Borough Administrator	Borough funding	\$2,500,000.00	1 year	Ongoing
23_09	Create Flood Hazard Zoning Ordinances	Develop flood hazard zoning ordinances to better protect the borough from natural disasters.	Administrative	Local Plans and Regulations	Flood, Extreme Wind, Hurricane and Tropical Storm, Storm Surge	High	Low	Borough Administrator	FEMA HMA, Borough funding	\$20,000.00	1 year	Ongoing
23_10	Develop a Variance Plan	Develop a plan to allow variances on foundations of newly built structures.	Administrative	Local Plans and Regulations	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge			Borough Administrator		\$20,000.00		Completed
23_11	Develop Water Use Restriction Ordinances	Develop ordinances to restrict landscaping water usage in times of drought.	Administrative	Local Plans and Regulations	Drought	Low	Low	Borough Administrator	Borough funding	\$5,000.00	1 year	Ongoing
23_12	Develop Hazard Mitigation Outreach Program	Create an outreach program to help residents prepare for disasters.		Education and Awareness Programs	Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge			Mayor and Council, Borough Manager, OEM Coordinators		\$10,000.00		Completed
23_13	Construct a Certified Levee along the Bay	Construct a certified levee to replace the 1968 Army Corp project.	Mitigation - Risk Reduction	Structure and Infrastructure Project	Wave Action, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	High	Mayor and Council, Borough Administrator, DPW, Borough Engineer	FEMA HMA, Army Corp	\$150,000,000.00	5 + years	New
23_14	Designate More Dredging Dump Sites	Need at least two more dredging dump sites to assist the existing two dump sites.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Wave Action, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	Borough funding	\$25,000,000.00	2 years	New
23_15	Update Winter Storm Response Plan	Update Winter Storm Response Plan to incorporate all current aspects of recent changes throughout the borough. Inclusive of but not limited to the relocation of Police Headquarters, adding a new facilities and/or structures erected since the last update, and identifying key personnel changes which may have occurred.	Administrative	Local Plans and Regulations	Winter Storm	High	Low	Borough Administrator, DPW	Borough funding	\$20,000,000.00	1 year	New
23_16	Develop a Civil Unrest Response Plan	Develop an action plan to address a coordinated public safety response to civil unrest should it occur within the borough. The plan will address the appropriate response levels of all public safety entities including Police, Fire, and EMS.	Administrative	Local Plans and Regulations	Terrorism	High	Low	Police Chief	Homeland Security grant, Borough funding	\$125,000.00	1 year	New

Keansburg, Borough of

Monmouth County HMP Mitigation Action Summary

Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_17	Develop a Cyber Attack Response Implementation	Update emergency response plans to address, mitigate, and recover from a potential cyber-attack affecting the operation of borough activities.	Administrative	Local Plans and Regulations	Cyber Attack	Medium	Low	Borough Administrator	Homeland Security Grant, Borough Funding	\$500,000.00	1 year	New
23_18	Develop an Action Plan to Address Economic Collapse	Plan, develop, and maintain a borough-wide action plan to address the public safety response in the event of an economic collapse. The plan should be all inclusive to safeguard and protect all critical facilities.	Administrative	Local Plans and Regulations	All Hazards	Medium	Low	Borough OEM	Borough funding	\$250,000.00	1 year	New
23_19	Develop an Action Plan to Address a Pandemic Event	Create an emergency response plan to address a pandemic event.	Administrative	Local Plans and Regulations	All Hazards	Medium	Low	Fire Chief, County Health Officer, Borough Administrator, OEM	Public health grants, Borough Funding	\$250,000.00	1 year	New
23_20	Create an Action Plan to Address Power Failure	Create an emergency response plan to address power failure in the Borough.	Administrative	Local Plans and Regulations	All Hazards	Medium	Low	Borough Administrator, Police Chief, Fire Chief, DPW Director, OEM	Borough Funding	\$250,000.00	1 year	New
23_21	Create a Terrorism Response Plan	Create an action plan to address an act of terrorism within the Borough.	Administrative	Local Plans and Regulations	Terrorism	Medium	Low	Police Chief, Borough Administrator, OEM	Homeland Security Grant, Borough funding	\$125,000.00	1 year	New
23_22	Reconstruct Randall Place	Improve road conditions on Randall Place.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$189,000.00	1 year	New
23_23	Reconstruct Maple Avenue	Improve road conditions on Maple Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$330,000.00	1 year	New
23_24	Reconstruct Grove Place	Improve road conditions on Grove Place.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$252,000.00	1 year	New
23_25	Reconstruct Woodside Avenue - Phase 1	Improve road conditions on Woodside Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$132,000.00	1 year	New

Keansburg, Borough ofMonmouth County HMP Mitigation Action Summary												
Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_26	Reconstruct Woodside Avenue - Phase 2	Improve road conditions on Woodside Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$204,000.00	1 year	New
23_27	Reconstruct Lawrence Avenue	Improve road conditions on Lawrence Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$100,000.00	1 year	New
23_28	Reconstruct Myrtle Avenue	Improve road conditions on Myrtle Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$270,000.00	1 year	New
23_29	Reconstruct Beachway Avenue	Improve road conditions on Beachway Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$412,000.00	1 year	New
23_30	Reconstruct Carr Avenue	Improve road conditions on Beachway Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$240,000.00	1 year	New
23_31	Reconstruct Forest Avenue -Phase 1	Improve road conditions on Forest Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$300,000.00	1 year	New
23_32	Reconstruct Forest Avenue -Phase 2	Improve road conditions on Forest Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$230,000.00	1 year	New
23_33	Reconstruct Murray Lane	Improve road conditions on Murray Lane.	Maintenance/Response/Recovery	Structure and Infrastructure Project	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$80,000.00	1 year	New
23_34	Reconstruct Inlet on Steeley Avenue	Improve drainage on Steeley Avenue by reconstructing the inlet and repairing the pavement and sidewalk.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$210,000.00	1 year	New

Keansburg, Borough of

Monmouth County HMP Mitigation Action Summary

Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_35	Replace Piping at Beaconlight Avenue	Replace the pipe and repair the pavement and sidewalk on Beaconlight Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$300,000.00	1 year	New
23_36	Replace Piping at Willis Avenue & Park Avenue	Replace the pipe and repair the pavement and sidewalk at the intersection of Willis Avenue and Park Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$210,000.00	1 year	New
23_37	Improve Drainage at Beachway Avenue	Install a new inlet and pipe to improve drainage on Beachway Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$180,000.00	1 year	New
23_38	Install New Inlet and Pipes at Laurel Avenue	Install a new inlet and pipe to improve drainage on Laurel Avenue.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding	\$100,000.00	1 year	New
23_39	Construct a Two Million Gallon Storage Tank	Improve water and sewer capacity by constructing a two-million-gallon storage tank.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$3,000,000.00	1 year	New
23_40	Replace Aging Water Mains	Improve stormwater and sewer systems and reduce flooding by replacing aging water mains.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Medium	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$6,000,000.00	1 year	New
23_41	Replace Pressure Filter in Water Plant	Improve stormwater and sewer systems and reduce flooding by replacing the pressure filter in water plant.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$1,000,000.00	1 year	New
23_42	Purchase and Install New Pumps and New Comminutors at Sewer Pump station	Purchase and install three new pumps & two new comminutors for the Sewer Pump Station to help improve stormwater and sewer systems in the Borough.	Mitigation - Continuity of Fuctional Use	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	FEMA Hazard Mitigation Grant, WIFIA, Monmouth County CDBG, Borough funding	\$200,000.00	1 year	New
23_43	Purchase a New Jet/Vac Truck	Purchase a new Jet/Vac truck to clean out debris from sewers and stormwater pipes.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	Monmouth County CDBG, Borough funding	\$500,000.00	1 year	New

Keansburg, Borough of Monmouth County HMP Mitigation Action Summary												
Community Action #	Action Name	Action Description	Action Category	Action Type	Hazard(s) Addressed	Priority	Ease of Implementation	Responsible Party	Potential Funding Sources	Cost Estimate	Timeline	Action Status
23_44	Purchase a New Belt Filter Press for Sludge Disposal	Purchase a new belt filter press for sludge disposal to help keep sewer and stormwater systems clear.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$600,000.00	1 year	New
23_45	Purchase New Membranes for R/O Treatment	Purchase New Membranes for R/O Treatment	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$300,000.00	1 year	New
23_46	Purchase Two New Trucks for Water/Sewer Department	Purchase two new trucks for the Water/Sewer Department to assist with ongoing Water/Sewer maintenance.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	High	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$150,000.00	1 year	New
23_47	Purchase Three New Department of Public Works Trucks	Purchase three new DPW trucks to assist with ongoing maintenance and continuity of operations within the Borough.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$225,000.00	1 year	New
23_48	Purchase a New Sweeper Vac	Purchase one new sweeper vac to maintain streets and keep debris from entering stormwater and sewer pipes.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$225,000.00	1 year	New
23_49	Purchase a New Trailer to Haul Equipment	Purchase a new trailer to haul emergency and maintenance equipment, such as a bulldozer used to clear debris and sand.	Maintenance/Response/Recovery	Structure and Infrastructure Project	Coastal Erosion	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	WIFIA, Monmouth County CDBG, Borough funding	\$35,000.00	1 year	New
23_50	Purchase New Aerial Fire Trucks	Purchase two new aerial fire trucks to better equip the Fire Department with putting out wildfires.	Maintenance/Response/Recovery	Local Plans and Regulations	Wildfire	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding	\$700,000.00	1 year	New
23_51	Purchase New Basic Life Support Ambulances	Purchase two new Basic Life Support ambulances for the EMS/Rescue squad.	Maintenance/Response/Recovery	Local Plans and Regulations	All Hazards	Medium	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding	\$300,000.00	1 year	New
23_52	Purchase New Wave Runners	Purchase two new wave runners to improve emergency water rescue response.	Maintenance/Response/Recovery	Local Plans and Regulations	All Hazards	Low	Low	Mayor and Council, Borough Administrator, DPW, Borough Engineer	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding	\$35,000.00	1 year	New

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_01

Keansburg, Borough of

Describing the Action

Action Name:	Install Three Floodproofed Stormwater Pump Stations with Generators
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Install three new floodproofed stormwater pump stations in the borough with a permanent back-up generator at each and to floodproof two existing pump stations and install a back-up generator at each station. As well as remove and replace the existing deteriorated storm water collections infrastructure.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 3, 5, 6, 7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital improvements
STAPLEE Evaluation:	11

Implementing the Action

Cost Estimate:	\$25,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	FEMA HMA, Borough funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing action from 2015; this action has a very high priority. Pump Station #13 and #16 both received \$274,120 for a new generator through HMGP funding.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_02

Keansburg, Borough of

Describing the Action

Action Name:	Relocate the Police Headquarters and Emergency Operation Center out of Flood Area
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Relocate the police headquarters and emergency operation center from 179 Carr Avenue to a vacant property in the Borough.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	3, 5, 7
Risk Reduction:	Most of the Borough lies within mapped storm surge hazard areas. Keansburg was devastated by storm surge flooding during Superstorm Sandy. As a result of Superstorm Sandy, Police vehicles and equipment in the borough were damaged and response services were hindered because of the flood waters, debris, and power outages.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it. Borough would have to bid to construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$6,400,000.00
Priority:	
Scale of Ease of Implementation:	
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents
Likely Funding Source(s):	FEMA HMA, Borough funding
Timeline:	
Action Status:	Completed
Notes:	Completed constructed to elevation 17.0'; Pending obligation as of 2020 for \$2,109,375 of HMGP funding post-Sandy.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_03

Keansburg, Borough of

Describing the Action

Action Name:	Extend Bulkhead and Dredge Waackaack Creek
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Extend bulkhead for the entire length of Waackaack Creek as well as dredge the creek to increase stormwater storage capacity.

Evaluating the Action

Hazard(s) Addressed:	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 5, 6
Risk Reduction:	As a result of the drastic inundation of floodwater caused by Superstorm Sandy and other major storm events, the banks of Waackaack Creek have become severely eroded and laden with silt and sand that was washed in from the Bayshore beaches. As a result, areas of roadway located along the creek have begun to collapse. In addition, the structural integrity of surrounding residential properties has been compromised and pose an imminent threat to life, health, and public safety.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are potential environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from implementing this project.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	11

Implementing the Action

Cost Estimate:	\$22,500,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Borough Funding for dredging
Timeline:	1 year
Action Status:	Ongoing
Notes:	The Borough was awarded FEMA Funding 406 Public Assistance of \$390,296, Category D Water Control Facilities. The following was completed: in order to restore the treated timber bulkhead to his pre-disaster condition excavate approximately 175 CY; replaced 150 LF of the damage treated timber bulkhead, replace 1,000 LF of tie rods, 750 LF of treated timber piles (30 piles x 30-ft) and 450 LF of treated timber piles (deadmen 30 piles x 15-ft). Also replacing 150 LF of collapsed metal guard rail and 450 SY of the topsoil and seeding and the apply 450 straw mulching over the loose soil is part of the work to be performed.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_04

Keansburg, Borough of

Describing the Action

Action Name:	Extend Beach Width, Increase Sand Dune Height, Conduct Dune Maintenance with Dune Grass, and Other Beach Mitigation Projects
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Improve 2.6 miles of beach that is 200 feet wide that was substantially damaged due to storm surge. Need to increase the height and width of the dunes to the 100-year storm elevation. Also included in this project is dune maintenance planting dune grass, maintaining access points, sacrificial beach berm, groins, levees, floodwall, a storm closure gate, and a pump station. As an active U.S. Army Corps of Engineers beach replenishment project, material available from Federal channels could potentially be used to replenish the beach and could help absorb flood events along the long shoreline; upland dune enhancement is also proposed.

Evaluating the Action

Hazard(s) Addressed:	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm
Goals:	
Risk Reduction:	Keansburg is part of the USACE Raritan Bay and Sandy Hook Bay Beach Erosion and Hurricane Protection Project. The project was constructed in 1973 and provides beach erosion and hurricane protection (through reducing the risk of flooding and damages caused by storm surge and wave action). Superstorm Sandy exceeded the design level for this system, but the system did provide some protection nonetheless.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are potential environmental impacts caused by this project, these will be considered and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	10

Implementing the Action

Cost Estimate:	\$7,383,750.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents
Likely Funding Source(s):	Monmouth County CDBG Program, Post Disaster CDBG Funding Program, Army Corp, FEMA HMA, NOAA, The Nature
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing from 2015 plan. Army Corp replaced the beach fill and restoration to the 1968 design after Superstorm Sandy however a new levee needs to be built. This action will always be ongoing until a levee is built.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_05

Keansburg, Borough of

Describing the Action

Action Name:	Acquire, elevate, or relocate buildings and infrastructure in flood prone areas, with a focus on Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Structure Elevation
Action Description:	Mitigate approximately 3,843 homes.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 3, 6
Risk Reduction:	Most of the Borough lies within mapped storm surge hazard areas. Keansburg was devastated by storm surge flooding during Superstorm Sandy.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Property owners may need to relocate while the home raising is implemented.
Administrative Capability:	The community does have the personnel and homeowners will maintain projects.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	11

Implementing the Action

Cost Estimate:	\$345,870,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Homeowners and/or Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents, additionally current code r
Likely Funding Source(s):	FEMA HMA
Timeline:	1 year
Action Status:	Ongoing
Notes:	Approximately 400 homes (existing/new) have been elevated/constructed in the Borough. Pending obligation as of 2020 of HMGP funding of \$8,775,000 for elevation of 130 homes.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_06

Keansburg, Borough of

Describing the Action

Action Name:	Initiate a Tree Trimming/Pruning Program
Action Category:	Maintenance/Response/Recovery
Action Type:	Natural Systems Protection
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Initiate a tree trimming and pruning to prevent downed power lines.

Evaluating the Action

Hazard(s) Addressed:	Extreme Wind, Lightening, Nor'easter, Hurricane and Tropical Storm
Goals:	1, 2, 6, 7
Risk Reduction:	Downed trees on power lines contribute to power outages during severe storms with high winds such as nor'easter, hurricanes, and tropical storms, etc.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are potential environmental impacts caused by this project, these will be considered, and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$135,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents
Likely Funding Source(s):	Borough funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing action; the Borough deems this action necessary and is searching for potential funding.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_07

Keansburg, Borough of

Describing the Action

Action Name:	Acquire Vacant Properties for Open Space
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Property Acquisition and Structure Relocation
Action Description:	Purchase vacant homes throughout the borough for flood mitigation (to improve drainage).

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2, 3, 5, 6
Risk Reduction:	Some vacant homes are repetitively damaged by storm and flood events. These homes should be acquired by the Borough and returned to their natural state to promote groundwater recharge and decrease stormwater runoff.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts of implementing this action.
Administrative Capability:	The community does have the personnel.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	11

Implementing the Action

Cost Estimate:	\$3,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Homeowners and/or Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	FEMA HMA, Borough funding, Blue Acres program
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing 2015 action; approximately five properties have been purchased through the Open Space and Blue Acres programs and an additional 20 structures have been demolished as part of the Borough's Abandoned Properties Program.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_08

Keansburg, Borough of

Describing the Action

Action Name:	Develop a Backup Generator Plan
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Develop a plan to acquire funding for emergency backup power generators in critical care facilities.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 5, 6, 7
Risk Reduction:	Power outages can severely impact critical facilities that lack secondary power
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$2,500,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Borough funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing action; the Borough is still interested in this action and once funds are available, will implement. The Keansburg Housing Authority Granville Tower received a HMGP grant of \$123,485.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_09

Keansburg, Borough of

Describing the Action

Action Name:	Create Flood Hazard Zoning Ordinances
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Post-Disaster Code Enforcement
Action Description:	Develop flood hazard zoning ordinances to better protect the borough from natural disasters.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 3, 4, 5, 6
Risk Reduction:	Keansburg's level of disaster resistance would benefit from enacting and enforcing flood hazard zoning ordinances.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$20,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	FEMA HMA, Borough funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing action; the Borough deems this action necessary and is searching for potential funding.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_10

Keansburg, Borough of

Describing the Action

Action Name:	Develop a Variance Plan
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Post-Disaster Code Enforcement
Action Description:	Develop a plan to allow variances on foundations of newly built structures.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	5, 6
Risk Reduction:	Substantial damage throughout the Borough was incurred as a result of Superstorm Sandy. Many homes are being elevated as a result to comply with local ordinances.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project.
Social:	There are no social impacts from this project on the community.
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$20,000.00
Priority:	
Scale of Ease of Implementation:	
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	
Timeline:	
Action Status:	Completed
Notes:	There is currently administrative approval for granting height variances.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_11

Keansburg, Borough of

Describing the Action

Action Name:	Develop Water Use Restriction Ordinances
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Develop ordinances to restrict landscaping water usage in times of drought.

Evaluating the Action

Hazard(s) Addressed:	Drought
Goals:	2, 3, 5, 7
Risk Reduction:	Use of water for landscaping purposes during periods of drought exacerbates drought impacts by shifting limited water resources away from the most critical needs.
Technical:	This mitigation is technically feasible
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations
Social:	There are no social impacts from this project on the community
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$5,000.00
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents
Likely Funding Source(s):	Borough funding
Timeline:	1 year
Action Status:	Ongoing
Notes:	Ongoing action; this action is on the Borough's wish list.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_12

Keansburg, Borough of

Describing the Action

Action Name: Develop Hazard Mitigation Outreach Program

Action Category:

Action Type: Education and Awareness Programs

HMA Eligible Activity: Miscellaneous/Other

Action Description: Create an outreach program to help residents prepare for disasters.

Evaluating the Action

Hazard(s) Addressed: Flood, Nor'easter, Hurricane and Tropical Storm, Storm Surge

Goals: 3, 4, 5, 8

Risk Reduction: Improve the public's understanding of natural hazards and mitigation possibilities. The community's overall level disaster resistance would increase if a greater number of households undertook low-cost or no-cost, small-scale mitigation activities.

Technical: This mitigation is technically feasible.

Political: This project was advised by Council and the Mayor.

Legal: The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: There are no social impacts from this project on the community.

Administrative Capability: The community does have the personnel and administrative capability implement this action as well as maintain it.

Local Champion: Mayor and Council

Other Community Objectives: Capital improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$10,000.00

Priority:

Scale of Ease of Implementation:

Responsible Party: Mayor and Council, Borough Manager, OEM Coordinators

Local Planning Mechanism: Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s):

Timeline:

Action Status: Completed

Notes: Keansburg has extensive outreach as part of the CRS program (Classification 7).

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_13

Keansburg, Borough of

Describing the Action

Action Name:	Construct a Certified Levee along the Bay
Action Category:	Mitigation - Risk Reduction
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Construct a certified levee to replace the 1968 Army Corp project.

Evaluating the Action

Hazard(s) Addressed:	Wave Action, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 5, 6
Risk Reduction:	Superstorm Sandy exceeded the 1973-designed level. There is a need for an updated, certified levee.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Construction Official, OEM
Other Community Objectives:	
STAPLEE Evaluation:	9

Implementing the Action

Cost Estimate:	\$150,000,000.00
Priority:	High
Scale of Ease of Implementation:	High
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	FEMA HMA, Army Corp
Timeline:	5 + years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_14

Keansburg, Borough of

Describing the Action

Action Name:	Designate More Dredging Dump Sites
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Need at least two more dredging dump sites to assist the existing two dump sites.

Evaluating the Action

Hazard(s) Addressed:	Flood, Wave Action, Coastal Erosion, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	5, 6,
Risk Reduction:	Current dredge dump sites are at capacity and cannot place dredge material back into the Bay due to dredge material.
Technical:	This mitigation is technically feasible.
Political:	This project was advised by Council and the Mayor.
Legal:	The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	There are no social impacts from this project on the community
Administrative Capability:	The community does have the personnel and administrative capability implement this action as well as maintain it.
Local Champion:	Construction Official, OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$25,000,000.00
Priority:	Medium
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan
Likely Funding Source(s):	Borough funding
Timeline:	2 years
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_15

Keansburg, Borough of

Describing the Action

Action Name:	Update Winter Storm Response Plan
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Update Winter Storm Response Plan to incorporate all current aspects of recent changes throughout the borough. Inclusive of but not limited to the relocation of Police Headquarters, adding a new facilities and/or structures erected since the last update, and identifying key personnel changes which may have occurred.

Evaluating the Action

Hazard(s) Addressed:	Winter Storm
Goals:	1, 2, 3, 4, 5, 6, 7
Risk Reduction:	Reduction in damages and losses due to winter storm residual affects; including potential power loss due to downed power lines, increased response times of emergency personnel due to poor road conditions and possible health hazards due to potential loss of heat and other utilities.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Borough OEM
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$20,000,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator, DPW
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_16

Keansburg, Borough of

Describing the Action

Action Name:	Develop a Civil Unrest Response Plan
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Develop an action plan to address a coordinated public safety response to civil unrest should it occur within the borough. The plan will address the appropriate response levels of all public safety entities including Police, Fire, and EMS.

Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 5, 7
Risk Reduction:	To reduce the potential loss of life and property damage in the event of a civil uprising event. In preparation, Police vehicles and equipment in addition to other public safety apparatus will be dispatched accordingly at strategic places throughout the borough.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Borough OEM, Police Chief
Other Community Objectives:	
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$125,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Police Chief
Local Planning Mechanism:	Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Homeland Security grant, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_17

Keansburg, Borough of

Describing the Action

Action Name:	Develop a Cyber Attack Response Implementation
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Update emergency response plans to address, mitigate, and recover from a potential cyber-attack affecting the operation of borough activities.

Evaluating the Action

Hazard(s) Addressed:	Cyber Attack
Goals:	2, 3, 4, 5, 6, 7
Risk Reduction:	As a result of the numerous occurrences of cyber-attacks and threats, the borough should be prepared to prevent or avoid any potential hackers from gaining access to their computer systems. In addition, by maintaining the integrity of the borough's computers and systems, this reduces the chances of compromise and any imminent threat to life, health, and public safety.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Local Plans and Regulations
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$500,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Homeland Security Grant, Borough Funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_18

Keansburg, Borough of

Describing the Action

Action Name:	Develop an Action Plan to Address Economic Collapse
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Plan, develop, and maintain a borough-wide action plan to address the public safety response in the event of an economic collapse. The plan should be all inclusive to safeguard and protect all critical facilities.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	2
Risk Reduction:	To reduce, minimize and prevent any loss of public/private property in the event of an economic collapse or downturn.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Local Plans and Regulations
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$250,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough OEM
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Borough funding
Timeline:	1 year
Action Status:	New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_19

Keansburg, Borough of

Describing the Action

Action Name:	Develop an Action Plan to Address a Pandemic Event
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Create an emergency response plan to address a pandemic event.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 3, 5, 6, 7
Risk Reduction:	To reduce and/or prevent the loss of life and spread of potential communicable diseases or contamination by harmful substances.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Local Plans and Regulations
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$250,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Fire Chief, County Health Officer, Borough Administrator, OEM
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Public health grants, Borough Funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_20

Keansburg, Borough of

Describing the Action

Action Name:	Create an Action Plan to Address Power Failure
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Create an emergency response plan to address power failure in the Borough.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1, 2, 6, 7
Risk Reduction:	Downed trees on power lines contribute to power outages during severe storms with high winds such as nor'easter, hurricanes, and tropical storms, etc.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Local Plans and Regulations
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$250,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Borough Administrator, Police Chief, Fire Chief, DPW Director, OEM
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Borough Funding
Timeline:	1 year
Action Status:	New
Notes:	Consists of (6) generators, each generator is \$300K.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_21

Keansburg, Borough of

Describing the Action

Action Name:	Create a Terrorism Response Plan
Action Category:	Administrative
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Create an action plan to address an act of terrorism within the Borough.

Evaluating the Action

Hazard(s) Addressed:	Terrorism
Goals:	1, 2, 5, 7
Risk Reduction:	Reduction or Prevention to the loss of life or property damage in the event of a terroristic event.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Local Plans and Regulations
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$125,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Police Chief, Borough Administrator, OEM
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Homeland Security Grant, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_22

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Randall Place

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Randall Place.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$189,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_23

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Maple Avenue

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Maple Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$330,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded \$897.00 of FEMA Funding 406 Public Assistance for Maple Ave.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_24

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Grove Place

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Grove Place.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$252,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded \$1,403 of FEMA Funding 406 Public Assistance for Grove Pl.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_25

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Woodside Avenue - Phase 1

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Woodside Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$132,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded \$3,841.00 of FEMA Funding 406 Public Assistance for Woodside Ave.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_26

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Woodside Avenue - Phase 2

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Woodside Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$204,000.00

Priority: Medium

Scale of Ease of Implementation: Medium

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded \$3,841.00 of FEMA Funding 406 Public Assistance for Woodside Ave.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_27

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Lawrence Avenue

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Lawrence Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2, 5, 7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$100,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded \$989.00 of FEMA Funding 406 Public Assistance for Lawrence Ave.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_28

Keansburg, Borough of

Describing the Action

Action Name:	Reconstruct Myrtle Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve road conditions on Myrtle Avenue.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	2, 5, 7
Risk Reduction:	Minimize and avoid damages and losses due to poor street conditions
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$270,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_29

Keansburg, Borough of

Describing the Action

Action Name:	Reconstruct Beachway Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve road conditions on Beachway Avenue.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	2,5,7
Risk Reduction:	Minimize and avoid damages and losses due to poor street conditions
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$412,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_30

Keansburg, Borough of

Describing the Action

Action Name:	Reconstruct Carr Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve road conditions on Beachway Avenue.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	2,5,7
Risk Reduction:	Minimize and avoid damages and losses due to poor street conditions
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$240,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_31

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Forest Avenue -Phase 1

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Forest Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2,5,7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$300,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_32

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Forest Avenue -Phase 2

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Improve road conditions on Forest Avenue.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2,5,7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$230,000.00

Priority: Medium

Scale of Ease of Implementation: Medium

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_33

Keansburg, Borough of

Describing the Action

Action Name: Reconstruct Murray Lane

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Mitigation Reconstruction

Action Description: Improve road conditions on Murray Lane.

Evaluating the Action

Hazard(s) Addressed: All Hazards

Goals: 2,5,7

Risk Reduction: Minimize and avoid damages and losses due to poor street conditions.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.

Local Champion: Mayor and Council

Other Community Objectives: Capital Improvements

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$80,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes: Post-Sandy, the Borough was awarded FEMA Funding 406 Public Assistance for Murray Ln.

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_34

Keansburg, Borough of

Describing the Action

Action Name:	Reconstruct Inlet on Steeley Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve drainage on Steeley Avenue by reconstructing the inlet and repairing the pavement and sidewalk.

Evaluating the Action

Hazard(s) Addressed:	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2,5,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$210,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_35

Keansburg, Borough of

Describing the Action

Action Name:	Replace Piping at Beaconlight Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Replace the pipe and repair the pavement and sidewalk on Beaconlight Avenue.

Evaluating the Action

Hazard(s) Addressed:	Flood, Coastal Erosion, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 6, 7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$300,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_36

Keansburg, Borough of

Describing the Action

Action Name:	Replace Piping at Willis Avenue & Park Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Replace the pipe and repair the pavement and sidewalk at the intersection of Willis Avenue and Park Avenue.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	2,3,5,6
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$210,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_37

Keansburg, Borough of

Describing the Action

Action Name:	Improve Drainage at Beachway Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Install a new inlet and pipe to improve drainage on Beachway Avenue.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$180,000.00
Priority:	Medium
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_38

Keansburg, Borough of

Describing the Action

Action Name:	Install New Inlet and Pipes at Laurel Avenue
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Install a new inlet and pipe to improve drainage on Laurel Avenue.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1, 2, 5, 6, 7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$100,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	NJDOT Municipal Aid Funding, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_39

Keansburg, Borough of

Describing the Action

Action Name:	Construct a Two Million Gallon Storage Tank
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve water and sewer capacity by constructing a two-million-gallon storage tank.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$3,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_40

Keansburg, Borough of

Describing the Action

Action Name:	Replace Aging Water Mains
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Mitigation Reconstruction
Action Description:	Improve stormwater and sewer systems and reduce flooding by replacing aging water mains.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$6,000,000.00
Priority:	High
Scale of Ease of Implementation:	Medium
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_41

Keansburg, Borough of

Describing the Action

Action Name:	Replace Pressure Filter in Water Plant
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Improve stormwater and sewer systems and reduce flooding by replacing the pressure filter in water plant.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$1,000,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_42

Keansburg, Borough of

Describing the Action

Action Name:	Purchase and Install New Pumps and New Comminutors at Sewer Pump station
Action Category:	Mitigation - Continuity of Fuctional Use
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Localized Flood Risk Reduction Projects
Action Description:	Purchase and install three new pumps & two new comminutors for the Sewer Pump Station to help improve stormwater and sewer systems in the Borough.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters and needs to be improved.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action. Borough would have to bid the project and construction.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Improvements
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$200,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	FEMA Hazard Mitigation Grant, WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_43

Keansburg, Borough of

Describing the Action

Action Name:	Purchase a New Jet/Vac Truck
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase a new Jet/Vac truck to clean out debris from sewers and stormwater pipes.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$500,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_44

Keansburg, Borough of

Describing the Action

Action Name:	Purchase a New Belt Filter Press for Sludge Disposal
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase a new belt filter press for sludge disposal to help keep sewer and stormwater systems clear.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes, and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$600,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_45

Keansburg, Borough of

Describing the Action

Action Name: Purchase New Membranes for R/O Treatment

Action Category: Maintenance/Response/Recovery

Action Type: Structure and Infrastructure Project

HMA Eligible Activity: Miscellaneous/Other/NA

Action Description: Purchase New Membranes for R/O Treatment

Evaluating the Action

Hazard(s) Addressed: Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge

Goals: 1,2,5,7

Risk Reduction: Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.

Technical: Technically feasible.

Political: There are no anticipated political implications. This project was advised by council and the mayor.

Legal: No legal impediments anticipated. The community does have the legal authority to implement this project.

Environmental: There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.

Social: Does not adversely affect any particular social group.

Administrative Capability: Borough has sufficient capacity and experience to administer this action.

Local Champion: Mayor and Council

Other Community Objectives: Capital Equipment

STAPLEE Evaluation: N/A

Implementing the Action

Cost Estimate: \$300,000.00

Priority: Medium

Scale of Ease of Implementation: Low

Responsible Party: Mayor and Council, Borough Administrator, DPW, Borough Engineer

Local Planning Mechanism: Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.

Likely Funding Source(s): WIFIA, Monmouth County CDBG, Borough funding

Timeline: 1 year

Action Status: New

Notes:

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_46

Keansburg, Borough of

Describing the Action

Action Name:	Purchase Two New Trucks for Water/Sewer Department
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase two new trucks for the Water/Sewer Department to assist with ongoing Water/Sewer maintenance.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$150,000.00
Priority:	High
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_47

Keansburg, Borough of

Describing the Action

Action Name:	Purchase Three New Department of Public Works Trucks
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase three new DPW trucks to assist with ongoing maintenance and continuity of operations within the Borough.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$225,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_48

Keansburg, Borough of

Describing the Action

Action Name:	Purchase a New Sweeper Vac
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase one new sweeper vac to maintain streets and keep debris from entering stormwater and sewer pipes.

Evaluating the Action

Hazard(s) Addressed:	Flood, Extreme Wind, Nor'easter, Hurricane and Tropical Storm, Storm Surge
Goals:	1,2,5
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters. Maintaining the drainage system and keeping it clear of debris will help to mitigate flooding from backups.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$225,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_49

Keansburg, Borough of

Describing the Action

Action Name:	Purchase a New Trailer to Haul Equipment
Action Category:	Maintenance/Response/Recovery
Action Type:	Structure and Infrastructure Project
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase a new trailer to haul emergency and maintenance equipment, such as a bulldozer used to clear debris and sand.

Evaluating the Action

Hazard(s) Addressed:	Coastal Erosion
Goals:	2,5,6,7
Risk Reduction:	Damage and losses due to flooding are incurred in some parts of Keansburg as a result of drainage system Shortcomings; the Borough's drainage system cannot efficiently accommodate today's stormwater runoff volumes and discharge this stormwater efficiently to ocean waters.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$35,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	WIFIA, Monmouth County CDBG, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_50

Keansburg, Borough of

Describing the Action

Action Name:	Purchase New Aerial Fire Trucks
Action Category:	Maintenance/Response/Recovery
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other/NA
Action Description:	Purchase two new aerial fire trucks to better equip the Fire Department with putting out wildfires.

Evaluating the Action

Hazard(s) Addressed:	Wildfire
Goals:	1,5,7
Risk Reduction:	Damage and potential losses due to fires occurring throughout the Borough as a result of drought, extreme Temperatures, extreme wind, lightning, wildfire or human error.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$700,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_51

Keansburg, Borough of

Describing the Action

Action Name:	Purchase New Basic Life Support Ambulances
Action Category:	Maintenance/Response/Recovery
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Purchase two new Basic Life Support ambulances for the EMS/Rescue squad.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1
Risk Reduction:	Reduction in the potential loss of life due to all natural and human based hazards.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$300,000.00
Priority:	Medium
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

Monmouth County Mitigation Action Worksheets

Community Action Number: 23_52

Keansburg, Borough of

Describing the Action

Action Name:	Purchase New Wave Runners
Action Category:	Maintenance/Response/Recovery
Action Type:	Local Plans and Regulations
HMA Eligible Activity:	Miscellaneous/Other
Action Description:	Purchase two new wave runners to improve emergency water rescue response.

Evaluating the Action

Hazard(s) Addressed:	All Hazards
Goals:	1
Risk Reduction:	Reduction in the potential loss of life due to water-based hazards.
Technical:	Technically feasible.
Political:	There are no anticipated political implications. This project was advised by council and the mayor.
Legal:	No legal impediments anticipated. The community does have the legal authority to implement this project.
Environmental:	There are no negative environmental impacts caused by this project and it will comply with all federal, state, and local regulations.
Social:	Does not adversely affect any particular social group.
Administrative Capability:	Borough has sufficient capacity and experience to administer this action.
Local Champion:	Mayor and Council
Other Community Objectives:	Capital Equipment
STAPLEE Evaluation:	N/A

Implementing the Action

Cost Estimate:	\$35,000.00
Priority:	Low
Scale of Ease of Implementation:	Low
Responsible Party:	Mayor and Council, Borough Administrator, DPW, Borough Engineer
Local Planning Mechanism:	Hazard Mitigation Plan. Mitigation activities will be implemented according to all governing regulatory documents.
Likely Funding Source(s):	Volunteer Fire Assistance Grant, Fire Company and EMS Grant, Borough funding
Timeline:	1 year
Action Status:	New
Notes:	

CAPABILITY ASSESSMENT WORKSHEET

Name: Gerald Paige

Title: NJ Grants Manager

Jurisdiction: Keansburg Borough

Organization: T & M Associates

Local Mitigation Capabilities are existing authorities, policies, programs, and resources that reduce hazard impacts or that could be used to implement hazard mitigation activities. Please complete the tables and questions in the worksheet as completely as possible.

Planning & Regulatory

Planning and Regulatory Capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards. Please indicate which of the following your jurisdiction currently has in place.

Plan	Yes/No	1. What is the date/year of the plan? 2. Does the plan address hazards? 3. Does the plan identify projects to include in the mitigation strategy? 4. Can the plan be used to implement mitigation actions?
Comprehensive/Master Plan	Yes	1988; Reexamination Report Nov. 9, 2015
Capital Improvements Plan	Yes	Annual updates, Yes August 2015,
Economic Development Plan	Yes	
Local Emergency Operations Plan	Yes	
Continuity of Operations Plan	No	
Post-Disaster Recovery Plan	Yes	June 24, 2014
Transportation Plan	Yes	
Stormwater Management Plan	Yes	2006, Stormwater Pollution Prevention Plan (2013) Update Nov 2018
Community Wildfire Protection Plan	No	



CAPABILITY ASSESSMENT WORKSHEET

Other special plans (e.g., brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation)	Yes	<ul style="list-style-type: none"> • Getting to Resilience (2015) • Floodplain Management Plan (2015) • Strategic Recovery Planning Report • Raritan/Sandy Hook Bay Coastal Resilience Planning Study • Rebuild by Design
Building Code, Permitting, and Inspections	Yes/No	Are codes adequately enforced?
Building Code	Yes	Version/Year:
Building Code Effectiveness Grading Schedule (BCEGS) Score		Score:
Fire Department ISO rating	Yes	Rating: Unchanged
Site Plan Review Requirements	Yes	Yes
Land Use Planning and Ordinances	Yes/No	Is the ordinance an effective measure for reducing hazard impacts? Is the ordinance adequately administered and enforced?
Zoning Ordinance	Yes	Supplement 6 Through Feb 9, 2007
Subdivision Ordinance	Yes	Same
Floodplain Ordinance	Yes	Feb. 11, 2008
Natural hazard ordinance (stormwater, steep slope, wildfire)	Yes	Feb. 11, 2008
Flood Insurance Rate Maps	Yes	2009 Adopted Currently under review by FEMA
Acquisition of Land for Open Space and Public Recreation Uses	Yes	
Post-Disaster Recovery Ordinance	Yes	2013
Real Estate Disclose Ordinance	Yes	



CAPABILITY ASSESSMENT WORKSHEET

Other (ie. Special Purposes Ordinance)	Yes	Special Purposes Ordinance, Growth Management Ordinance
How can the above capabilities be expanded and improved to reduce risk?		
By providing additional funding to offset the costs of implementation of the plans created.		

Administrative & Technical

Identify whether your community has the following administrative and technical capabilities. These include staff and their skills and tools that can be used for mitigation planning and to implement specific mitigation actions. For smaller jurisdictions without local staff resources, if there are public resources at the next higher-level government that can provide technical assistance, indicate so in your comments.

Administration	Yes/No	Describe capability Is coordination effective?
Planning Commission	Yes	
Mitigation Planning Committee	No	
Maintenance Programs to Reduce Risk (e.g., tree trimming, clearing drainage systems)	Yes	
Mutual Aid Agreements	Yes	
Staff	Yes/No FT/PT	Is the staff full time or part time? Is staffing adequate to enforce regulations? Is the staff trained on hazards and mitigation? Is coordination between agencies and staff effective?
Chief Building Official	Yes	Construction Official, FT
Floodplain Administrator	Yes	Construction Official, FT
Emergency Manager	Yes	Borough Manager, FT
Community Planner	Yes	PT Consultant, T&M Associates



CAPABILITY ASSESSMENT WORKSHEET

Civil Engineer	Yes	PT Consultant, T&M Associates
Surveyor	Yes	PT Consultant, T&M Associates
GIS Coordinator	Yes	PT Consultant, T&M Associates
Scientists familiar with the hazards of the community	Yes	PT Consultant, T&M Associates
Other		
Technical	Yes/No	Describe capability Has capability been used to access/mitigate risk in the past?
Warning Systems/Services (Reverse 911, outdoor warning signals)	Yes	
Hazard Data and Information	Yes	
Grant Writing	Yes	PT Consultant, T&M Associates
Hazus Analysis	Yes	
Other		
How can the above capabilities be expanded and improved to reduce risk?		



CAPABILITY ASSESSMENT WORKSHEET

Financial

Identify whether your jurisdiction has access to or is eligible to use the following funding resources for hazard mitigation.

Funding Resource	Access / Eligibility (Yes/No)	Has the funding resource been used in the past and for what type of activities? Could the resource be used to fund future mitigation actions?
Capital Improvements Project Funding	Yes	
Authority to Levy Taxes for Specific Purposes	Yes	
Fees for Water, Sewer, Gas, or Electric Services	Yes	
Impact Fees for New Development	Yes	
Stormwater Utility Fee	No	
Incur Debt Through Private Activities	Yes	
Community Development Block Grant	Yes	
Other Federal Funding Programs	Yes	
State Funding Programs	Yes	Road reconstruction and other infrastructure repairs
Other (e.g., withhold spending in hazard-prone areas)	Yes	Withhold spending in hazard-prone areas, Incur Debt through General Obligation Funds and Incur Debt through Special Tax and Revenue Bonds
How can these capabilities be expanded and improved to reduce risk?		



CAPABILITY ASSESSMENT WORKSHEET

Education and Outreach

Identify education and outreach programs and methods already in place that could be used to implement mitigation activities and communicate hazard-related information.

Program/Organization	Yes/No	Describe program/organization and how it relates to disaster resilience and mitigation. Could the program/organization help implement future mitigation activities?
Local Citizen Groups or Non-Profit Organizations Focused on Environmental Protection, Emergency Preparedness, Access and Functional Needs Populations, etc.	No	
Ongoing Public Education or Information Programs (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes	Flood/Stormwater Info tab on Borough Website, with all plans, Superstorm Sandy inundation map, Superstorm Sandy letter, newsletters, Reducing flood risks, repetitive loss information, HMP information, tide gauge information
Natural Disaster or Safety Related School Programs	No	
StormReady Certification	No	
Firewise Communities Certification	No	
Public-Private Partnership Initiatives Addressing Disaster Related Issues	No	
Other		
How can these capabilities be expanded and improved to reduce risk?		





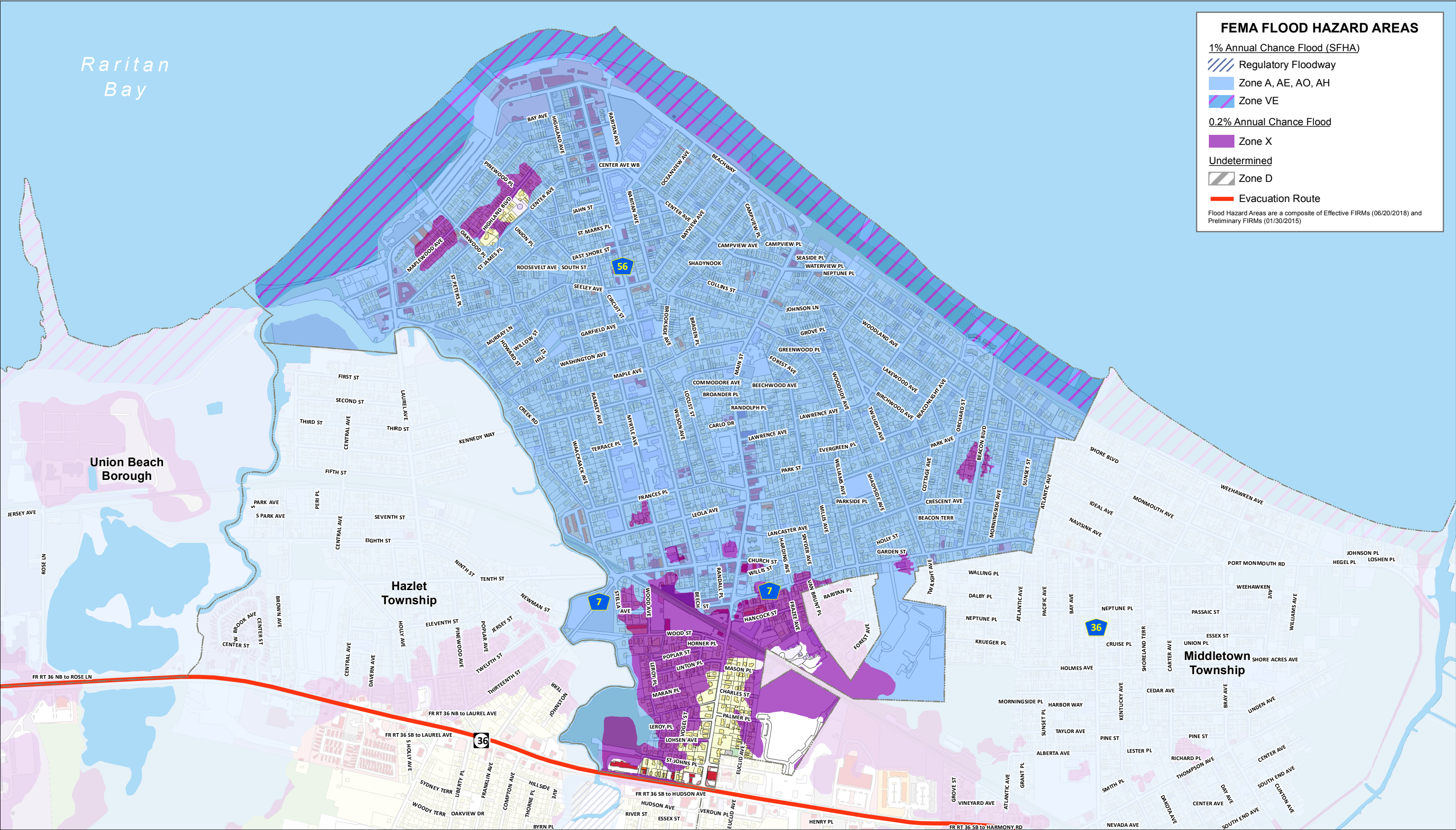
0 450 900 Feet

Source: 2014 Esri; Monmouth County;
NJOIT-OGIS; NJGIN MODIV Parcel, FEMA

Projection: New Jersey State Plane, NAD 1983



Michael Baker
INTERNATIONAL



This map was developed using the 10-04-18 statewide composite of parcel data published by the NJOIT-OGIS. The State of New Jersey makes great effort to provide secure, accurate, and complete data and metadata. However, portions of the data and metadata may be incorrect or not current. Any errors or omissions should be reported for investigation to OGIS.



Building Classification

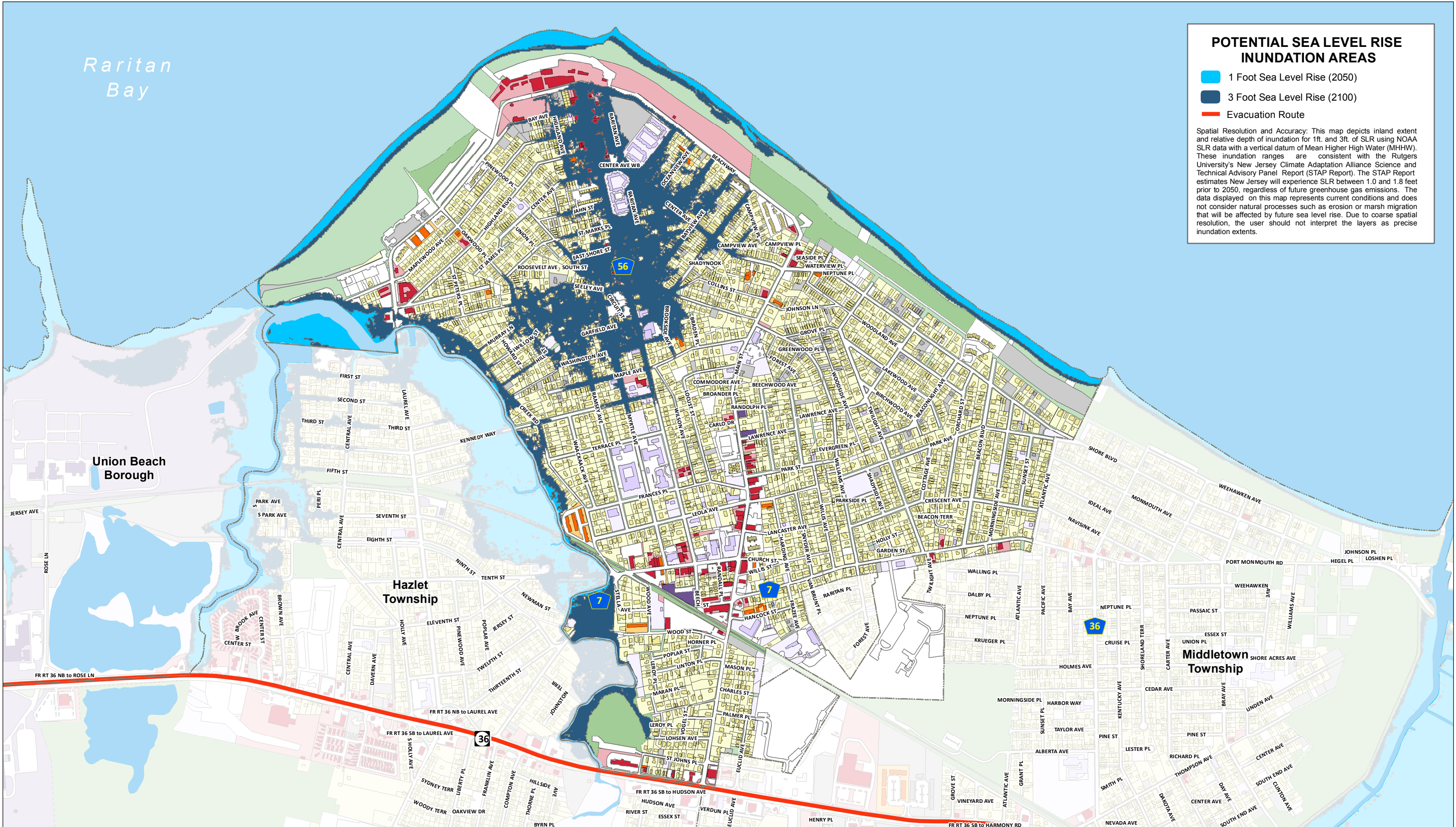
Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified

Parcel Classification

Industrial	Commercial	Apartment	Residential (four families or less)
Farm	Vacant	Civic/Public (Tax Exempt)	Unclassified
			Open Space

0 450 900 Feet

Source: 2014 Esri; Monmouth County; NJOIT-OGIS; NJGIN MODIV Parcel, FEMA
Projection: New Jersey State Plane, NAD 1983



**POTENTIAL SEA LEVEL RISE
INUNDATION AREAS**

- 1 Foot Sea Level Rise (2050)
- 3 Foot Sea Level Rise (2100)
- Evacuation Route

Spatial Resolution and Accuracy: This map depicts inland extent and relative depth of inundation for 1ft. and 3ft. of SLR using NOAA SLR data with a vertical datum of Mean Higher High Water (MHHW). These inundation ranges are consistent with the Rutgers University's New Jersey Climate Adaptation Alliance Science and Technical Advisory Panel Report (STAP Report). The STAP Report estimates New Jersey will experience SLR between 1.0 and 1.8 feet prior to 2050, regardless of future greenhouse gas emissions. The data displayed on this map represents current conditions and does not consider natural processes such as erosion or marsh migration that will be affected by future sea level rise. Due to coarse spatial resolution, the user should not interpret the layers as precise inundation extents.



MEETING NOTES

Topic: Keansburg- Monmouth County HMP Meeting

Date: June 20, 2019

Time: 10:00 AM- 11:00 AM

Location: Borough Hall, 29 Church St, Keansburg, NJ 07734

Attendees: Fran Mullan, Township Engineer
Gerard Paige, Grants Manager
Ginger Rogan, Deputy OEM
Edward Striedl, CRS/CFM/Construction Official
Robert Yuro, Engineer
Brittany Ashman, MB Planner
Paige Kaspar, MB Planner
Joe Baris, Monmouth County Planning Department

Drafted by: Paige Kaspar

Introductions (Brittany):

- What is Hazard Mitigation?
- Matching actions with Goals
- New Hazards
- HMP Pamphlet
- Funding

2015 Mitigation Actions:

1. Install New and Maintain Existing Stormwater Pump Stations→ Ongoing action from 2015; this action has a very high priority.
2. Relocate the Police Headquarters and Emergency Operation Center→ Completed and elevated 17 feet.
3. Mitigate Waackaack Creek→ Ongoing action from 2015; there was no funding available for this



project. However, there was a small stretch of bulkheads replaced with the Laurel Ave. bridge project.

4. Improve Borough Shoreline and Dunes→ Ongoing from 2015 plan. Army Corp replaced the beach fill and restoration to the 1968 design after Superstorm Sandy however a new levee needs to be built. This action will always be ongoing until a levee is built.
5. Home Elevations→ Several homes have been elevated (number) however this action is ongoing
6. Tree Trimming/Pruning→ Ongoing action from 2015.
7. Property Acquisition for Open Space→ Ongoing action from 2015 plan.
8. Backup Generator Plan→ Ongoing action from 2015 plan.
9. Flood Hazard Zoning Ordinances→ Ongoing action from 2015 plan.
10. Variance Plan→ Complete; There is currently administrative approval for granting height variances.
11. Developing Water Use Restriction Ordinances→ Ongoing from 2015
12. Develop Outreach Program→ Complete; Keansburg has extensive outreach as part of the CRS program (Classification 7).

2020 Mitigation Actions (NEW):

1. Construct a Certified Levee
 - Construct a certified levee to replace the 1968 Army Corp project.
2. More Dredging Dump Sites
 - Need at least two more dredging dump sites to assist the existing two dump sites.

Problems:

- Army Corp replaces beach fill and restoration to the 1968 design after Sandy; needs a lot more work and a new levee
- Can't raise taxes because residents already can't afford to live there

Successes:

- Small 300' stretch of bulkheads were replaced with the Laurel Ave. bridge project

Capabilities:

- Extensive CRS outreach

Vulnerable Populations:

- Two Senior Centers in flood zones



Monmouth County Multi-Jurisdictional Hazard Mitigation Plan Update



Michael Baker
INTERNATIONAL

Meeting: Kearnsburg HMP

Date: 06-20-19

Initial	Last Name	First Name	Title	Organization	Email Address
	Striads	Edwards	CRS, CFM Construction A/E	Borough of Kearnsburg	Ed.Striads@Kearnsburg-ny.us
	Vines	Rosset	Fire Engineer	Town	dvine@TANDMASSOCIATES.com
	Muhari	Fraai	"	"	FMuhari@ " "
	PAIGE	GERARD	GRANTS MGR.	"	GPAIGE@ " "
	Roggan	Ginger	Deputy Oem	Boos of Kearny	VRoggan@Kearnsburg PD.org
	Ashman	Brittany	Planner	MB	
	Kaspar	Paige	Planner	MB	