

9.12: Township of Galloway – Jurisdictional Annex

Summary of Hazards and Actions

Summary of Hazard Ranking and Actions, Township of Galloway			
Hazard	Hazard Ranking	# of Related Actions	Action #s
Atmospheric Hazards			
Extreme Temperatures	M		
Extreme Wind	M	2	1, 2
Hail	L		
Hurricane & Tropical Storm	H	2	1, 2
Lightning	L		
Nor'easter	M	2	1, 2
Tornado	L		
Winter Storm	M		
Hydrologic Hazards			
Coastal Erosion	M		
Sea Level Rise	H		
Dam Failure	L		
Levee Failure	N/A		
Drought	L		
Flood	H	1	3
Tsunami	L		
Storm Surge	M		
Wave Action	M		
Geologic Hazards			
Earthquake	L		
Other Natural Hazards			
Wildfire	M		

Mitigation Strategy for Risk Reduction

Overview of Municipal Mitigation Strategy, Township of Galloway				
Project Number	Project Description	Hazard(s) Addressed	Priority	Goals
1	Retrofit the Municipal Complex to withstand hurricane force winds by installing storm shutters and a vestibule that would sustain 120 mph winds.	Extreme Wind, Hurricane/Tropical storm, Nor'easter	1	3
2	Protection of Fire stations Reducing damage to structures and infrastructure. Preventing the evacuation of firefighters during a natural disaster. The economic benefit is the continuation of emergency services during time of disaster.	Extreme Wind, Hurricane/Tropical storm, Nor'easter	2	3
3	Investigate mitigation option for all repetitive loss properties (new)	Flood	3	3

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

Contact Information

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

HAZARD MITIGATION PLAN POINTS OF CONTACT	
Primary Point of Contact	Alternate Point of Contact
Name: Michael Brandenberger Title: Emergency Management Coordinator Department: Emergency Management Address: 300 E Jim Leeds Road, Galloway, NJ 08205 Phone Number: 609-457-2684 E-mail Address: MTBrandenberger@gtas.org	Name: Richard Maxwell Title: Deputy Emergency Management Coordinator Department: Emergency Management Address: 300 E Jim Leeds Road, Galloway, NJ 08205 Phone Number: 609-517-3961 E-mail Address: richmax@comcast.net
Jurisdictional Assessment Team Members	
Please fill in the contact details for the person filling in this page:	
Name: Title: Community Name: County: Email: Phone:	Michael Brandenberger OEM Coordinator Galloway Township Atlantic County, NJ MTBrandenberger@comcast.net omcast.net 609-457-2684

HAZARD MITIGATION PLAN POINTS OF CONTACT						
Primary Point of Contact				Alternate Point of Contact		
Jurisdictional Assessment Team Members						
Local Jurisdiction Role/Position	Name	Email	Phone	Date of Invitation	Method of Invitation	Agreed to participate?
Emergency Manager	Michael Brandenberger	MTBrandenberger@comcast.net	609-457-2684	05/18/21	County email	YES
Deputy OEM Coordinator	Richard Maxwell	richmax@comcast.net	609-517-3961	05/28/21	In Person Meeting	YES
Administrator	Christian Johansen	manager@gtnj.org	609-652-3700 ext. 5	06/03/21	In Person Meeting	YES
Mayor/Supervisor	Jim Gorman	jgorman@gtnj.org	609-204-0881	06/15/21	Email / Public Presentation	YES
Public Works Director	Matt Ayers	MAyers@gtnj.org	609-652-3700 ext. 248	06/15/21	Public Presentation / Planning meeting	YES
Floodplain Manager	Alex Bauer	abauer@gtnj.org	609-652-3700. ext 246	06/28/21	In Person Meeting	YES
Zoning Official	Alex Bauer	abauer@gtnj.org	609-652-3700. ext 246	06/28/21	In Person Meeting	YES
Clerk	Kelli Danieli	kdanieli@gtnj.org	609-652-3700 ext. 292	06/15/21	Email / Public Presentation / Handouts	YES
Planner	Polistina & Associates	vpolistina@comcast.net	609-646-2950	07/05/21	Email / Phone conversation	YES
Engineer	CME associates	Kotto@cmeusa1.com	732-462-7400	07/05/21	Email / Public Presentation	YES
Building Code Official	Beth McCann	BMcCann@gtnj.org	609-652-3700 ext. 247	06/28/21	In Person Meeting	YES
Attorney	Albert Mamero	m	856-848-6440	07/05/21	Email / Public Presentation	YES
Fiscal/Budget Officer	Kristen Manning	kmanning@gtnj.org	609-652-3700 ext. 258	07/05/21	Email	YES

The Township of Galloway has reported undertaking the following internal activities in preparation of its mitigation plan:

Subject of JAT Activity (Meeting Notice, Emails, Etc.)	Date	INVOLVED PARTIES - Place an 'x' for any position title that participated										
		Mayor/ Supervisor	Administrator	Clerk	Engineer	Attorney	Building Code Official	Emergency Manager	Fiscal/Budget Officer	Floodplain Manager	Planner	Public Works Director
Kick-Off Meeting with Township Manager/Mayor/Council	06/15/21	YES	YES	YES	YES	YES	N	YES	N	N	N	YES
Planning Meeting	06/29/21	N	YES	N	N	N	YES	YES	N	YES	N	YES
Public Meeting prior to monthly council meeting	07/13/21	YES	YES	N	N	N	N	YES	N	N	N	YES
Meeting with Planner to review plan	07/26/21	N	N	N	YES	N	N	Yes	N	N	N	N
Meeting with Planner to review plan	08/10/21	N	YES	N	N	N	YES	YES	N	N	YES	YES

Governing Body Format

The governing body is the Township Council, which is comprised of seven members who are elected at-large in partisan elections to four-year terms of office on a staggered basis, with an election in odd-numbered years in which either three or four seats come up for vote on an alternating basis as part of the November general election. At an annual reorganization meeting after each election, members of Council select one of their members to take the office of Mayor and another to serve as Deputy Mayor, who serve two-year terms in that office. The Township Council is led by a Mayor whose role is to preside over meetings and sign certain documents on behalf of the township. The Council sets policy for the township as its governing body, with the day-to-day operation of the Township and its municipal services delegated to the Township Manager.

Land Use and Development Trends

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



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

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

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

Information for the 2016 plan was provided to us by: Michael Brandenberger, Emergency Management Coordinator (and reviewed by Tiffany Cuvillo, Township Land Use and Community Planner)

Your Name: Vincent J. Polistina

Title: Township Planning Board Engineer & Planner

Community: Galloway Township

Email and Phone: vpolistina@comcast.net / 609-646-2950

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

Community	<p>1. Land Uses and Development Trends in Hazard Areas as Reported in the 2016 Plan. Please describe development trends occurring within your jurisdiction, such as the predominant types of development occurring, location, expected intensity, and pace by land use. While details are preferred, it is ok if your feedback is qualitative and quite general, such as "high-occupancy, high-density residential development is occurring near the waterfront".</p>	<p>1a. Please update your response to reflect conditions in 2021</p>	<p>Regulations/Codes/Ordinances To Protect New Development From Natural Hazards as Reported in the 2016 Plan. Does your jurisdiction enforce regulations/ordinances/codes to protect new development from the effects of natural hazards? (Some examples might be floodplain management ordinances enforcing FEMA's NFIP for new development or substantial improvements in the floodplain; steep slope ordinances for community's which may have landslide hazards; earthquake resistant design criteria and/or high wind design criteria; or buffer zones in wildfire hazard areas.) If so, please describe.</p>	<p>2a. Please update your response to reflect conditions in 2021</p>
<p>Galloway, Township of</p>	<p>The Smithville Development is reaching capacity with over 1,000 age-restricted units of the total 1,355 approved homes. The balance are family units.</p> <p>Office Development is occurring on Jimmie-Leeds Rd. around the hospital.</p> <p>Single family residential is occurring in designated Pinelands Growth areas, in Pinehurst.</p>	<p>Commercial development is occurring along the main roadways, including the Jimmie Leeds Road and Route 9. Many sites are being developed under redevelopment plans.</p> <p>Single-family residential is occurring in the Pinehurst area as infill development.</p>	<p>We are in conformance with the Pinelands Comprehensive Plan for land west of the Garden State Parkway. The Pinelands protects water quality wetlands, fire management and other environmental concerns. We have a tree protection ordinance for the entire Township. We have updated and implemented a Stormwater Management Plan, consistent with NJ regulations, to protect Groundwater Quality.</p>	<p>We continue to be in compliance with the Pinelands CMP. Recently, the Township amended the stormwater management ordinance to comply with the new NJDEP regulations for stormwater and green infrastructure.</p>

Part 2 – Please answer the following questions.

Is major development planned? (yes/no)		Yes				
If major development is planned, please describe generally in the box to the right, and then complete the rows below.						
<i>Property Name</i>	<i>Type (Residential or Commercial)</i>	<i>No. of Structures</i>	<i>Address</i>	<i>Block and Lot</i>	<i>Known Hazard Zone</i>	<i>Description /Status</i>
Village Supermarket	Commercial	3	501 E. Jimmie Leeds Road	1165 / 7	No	Supermarket / Approved
Smithville Town Center Commons	Residential & Commercial	8	2 N. New York Road	1201.01 / 9.01	No	Hotel, Assisted Living, Townhomes / Approved
Enlightened Solutions	Commercial	8	600 S. Odessa Avenue	456 / 1.01, 1.02	No	Treatment Facility & Transitional Living / Approved
Dollar General	Commercial	1	129 S. New York Road	1173.01 / 4.02	No	Retail / Approved
Beacon Church	N/A	1	420 Sixth Avenue	982 / 9	No	Church Expansion / Approved
Nantucket at Galloway	Commercial	9	328 W. White Horse Pike	461 / 6.02-6.06	No	Retail, Restaurants / Approved
McGettigan's	Commercial	1	502 S. New York Road	1139 / 1-5, 7	No	Restaurant Expansion / Under Review
Nantucket at Galloway (Phase 2)	Commercial	5	White Horse Pike	460 / 1-3 461 / 1-5	No	Warehouse, Restaurants / Under Review
Bluewater Group	Commercial	1	Aloe Street	456 / 1.04	No	Warehouse / Under Review

National Flood Insurance Program Summary

Township of Galloway has participated in FEMA's National Flood Insurance program (NFIP) since 1983.

National Flood Insurance Program Data Township of Galloway	
Total number of policies ¹	132
Insurance in force ²	\$39,388,500
Total number of losses during NFIP participation	101
Total claims paid during NFIP participation	\$1,413,569
Non-Mitigated Repetitive Loss Properties	8
Non-Mitigated Severe Repetitive Loss Properties	1

Galloway does not participate in the NFIP's Community Rating System (CRS).

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

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

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

Name: Bauer, Alex Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator

Community: Galloway Township Email and Phone: abauer@gtnj.org



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

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

Adoption Date of your Current Floodplain Management Ordinance	Date of Entry into NFIP ¹	Position or Title of Your Jurisdiction's Designated Floodplain Manager/Administrator (may also be called NFIP Coordinator)		Is this person is a Certified Floodplain Manager?	Is floodplain management an auxiliary function?	Is your community in good standing with the NFIP?	
<u>08/01/2005</u>	<u>1-3-75</u>	<u>Zoning Official / Floodplain Administrator #18-10593</u>		<input checked="" type="checkbox"/> <u>Yes</u> <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Provide an explanation of NFIP administration services (i.e., permit review, GIS, education or outreach, inspections, engineering capability, etc.):							
<u>Galloway Township provides permit, review, inspections and flood zone interpretations</u>							
Describe barriers to running an effective NFIP program in the community (if applicable):							
<u>NONE</u>							
When was most recent FEMA Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?*	Is a CAV or CAC scheduled or needed?	Does the current floodplain management ordinance exceed FEMA or State minimum requirements? If so, describe how.	Is training of staff regarding NFIP issues planned?	Does your community intend to continue to enforce the floodplain management requirements including regulating new construction in Special Flood Hazard Areas (SFHAs)?	Does your community participate in the CRS? If so, state your Class.	Does your community intend to continue its participation in the CRS program?	If your community is not currently participating in the CRS program, are you intending to initiate the process during the next planning cycle?
<u>2013</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No * Class <u> </u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
*Describe any outstanding compliance issues (i.e., current violations):							
<u>NONE</u>							

Name: [Bauer, Alex] Title: Floodplain Manager/Floodplain Administrator/NFIP Coordinator



Representing: [Galloway Township] Email and Phone: [abauer@gtnj.org]

Provide an explanation of your local floodplain permitting process:

[Applications for rebuilding or renovations are reviewed first by the zoning Floodplain Manager for compliance and then to the Construction Code Officials for compliance for building compliance

Does your community intend to continue floodplain identification and mapping services including any local requests for map updates?	Does your community intend to initiate/continue the buyouts of repetitive loss properties?	Does your community intend to commit staff or resources to improve local mapping or code administration in the future?	Does your community intend to provide local outreach to promote the sale of flood insurance?	Does your community intend to participate in RiskMAP meetings and planning initiatives?	Does your community intend to continue to implement structural improvements to mitigate against flooding - culverts, drainage basins, etc.?	Does your community intend to continue to implement home improvement programs designed to minimize basement flooding?	Does your community intend to continue to implement roadway improvements to reduce damage from future flooding events?	Does your community intend to implement plans and programs in coordination with a local or regional drainage/sewer authority?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Does your community intend to adopt the new FEMA Advisory Base Flood Elevations?		As Floodplain Manager, did you (or your predecessor at the time) actively participate in the development of the initial Hazard Mitigation Plan?		As Floodplain Manager, are you actively participating in the development of this Hazard Mitigation Plan Update?		Have there been any changes to your community's local floodplain management program since the last version of the plan?		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

* If you answered "yes", that there have been changes to your local program since the last version of the plan, please describe:

[N/A]

Provide a description of your community assistance and monitoring activities:

[At this time Galloway Township does not provide monetary assistance or housing assistance. The township does monitor the construction process through the inspection process.

NFIP participating communities are required to update/revise their floodplain management ordinance to ensure that it complies with the latest FEMA regulations. Will your community continue to commit to this program requirement?	NFIP participating communities are also required to update/revise their floodplain management ordinance to be consistent with the latest FIRMs. Will your community continue to commit to this program requirement?
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Critical Facilities in Delineated Hazard Areas

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

Facility Name	Location	Facility Type	Flood, A Zone	Flood, V Zone (Wave)	Category 1-4 Storm Surge	Coastal Erosion	Sea Level Rise, 1 Ft	Sea Level Rise, 3 Ft	Dam Failure	Low to Moderate Wildfire	High to Extreme Wildfire
Township of Galloway											
Galloway Twp Ambulance Squad	311 Carlton Ave	Ambulance/Rescue Squad	0	0	0	0	0	0	0	0	0
WLFR CH 219	College Drive	Communication Facility	0	0	0	0	0	0	0	0	0
Galloway Community	112 S. New York Road	Emergency Shelter	0	0	0	0	0	0	0	0	1
Galloway Middle	100 S. Reeds Road	Emergency Shelter	0	0	0	0	0	0	0	0	0
Reeds Road School	101 S. Reeds Road	Emergency Shelter	0	0	0	0	0	0	0	0	0
Roland Rogers School	105 S. Reeds Road	Emergency Shelter	0	0	0	0	0	0	0	0	0
South Egg Harbor-Station 26-5	Route 50	Fire Station	0	0	0	0	0	0	0	0	0
Germania - Station 26-2	Cologne Avenue	Fire Station	0	0	0	0	0	0	0	0	0
Pomona - Station 26-3	US Route 30 White Horse Pike	Fire Station	0	0	0	0	0	0	0	0	0
Oceanville - Station 26-1	US Route 9 New York Road	Fire Station	0	0	0	0	0	0	0	0	0
Bayview 1 - Station 26-4(1)	US Route 9 New York Road	Fire Station	0	0	1	0	0	0	0	0	0
Bayview 2 - Station 26-4(2)	Sixth Avenue	Fire Station	0	0	0	0	0	0	0	0	0
Atlanticare Regional Medical Center	65 W Jimmie Leeds Rd	Hospital	0	0	0	0	0	0	0	0	0
Egg Harbor City, New Jersey	S. Philadelphia Ave & Atlantic Ave	Passenger Rail Station	0	0	0	0	0	0	0	1	0
Stockton College	College Drive	Police Station	0	0	0	0	0	0	0	0	0
Galloway PW Storage	Parker Avenue	Public Works	0	0	0	0	0	0	0	0	0
Municipal Bldg.	300 E Jimmie Leeds Rd	Public Works	0	0	0	0	0	0	0	1	0
Reeds Road School	101 s. reeds road, po box 768	School	0	0	0	0	0	0	0	0	0
Roland Rogers School	p.o. box 968	School	0	0	0	0	0	0	0	0	0
Arthur Rann Middle School	eighth Avenue	School	0	0	0	0	0	0	0	0	0
Absegami High School	201 S. Wrangleboro Road	School	0	0	0	0	0	0	0	0	0

Facility Name	Location	Facility Type	Flood, A Zone	Flood, V Zone (Wave)	Category 1-4 Storm Surge	Coastal Erosion	Sea Level Rise, 1 Ft	Sea Level Rise, 3 Ft	Dam Failure	Low to Moderate Wildfire	High to Extreme Wildfire
St. Mark's Charter School	429 S. Pitney Road	School	0	0	0	0	0	0	0	0	0
Galloway Charter School	58 S. New York Road	School	0	0	0	0	0	0	0	1	0
Cologne School	Cologne Avenue	School	0	0	0	0	0	0	0	0	0
Pilgrim Academy	p.o. box 322	School	0	0	0	0	0	0	0	0	0
Oceanville School	259 s. New York road	School	0	0	0	0	0	0	0	0	0
Smithville School	37 S. Old Port Republic Road	School	0	0	0	0	0	0	0	0	0
Pomona School	genoa Avenue	School	0	0	0	0	0	0	0	0	0
Assumption	276 W. White Horse Pike	School	0	0	0	0	0	0	0	0	0
Highland Academy	600 E Moss Mill Road	School	0	0	0	0	0	0	0	1	0
Galloway Township Middle School	100 S. Reeds Road	School	0	0	0	0	0	0	0	0	0
Busy Body	319 E. Jimmie Leeds Road	School	0	0	0	0	0	0	0	0	0
Head Start at St. Paul's	P.O. Box 3 (Fairmont Ave)	School	0	0	0	0	0	0	0	0	0
Stockton University	Jimmie Leeds Rd., Pomona, NJ	School	0	0	0	0	0	0	0	0	0
South Egg Harbor School	Belladonna & Cape May Avenue	School	0	0	0	0	0	0	0	0	0
Bethel Christian	p.o. box 196 Genoa Ave.	School	0	0	0	0	0	0	0	1	0
Renaissance Pavilion	61 W Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	0
The Health Center At Galloway	66 West Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	0
Seashore Gardens Living Center	22 West Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	0
Spring Village At Galloway	42 West Jimmie Leeds	Senior Care Facility	0	0	0	0	0	0	0	0	0
Spring Village At Galloway	46 West Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	0
Seashore Gardens Living Center	22 West Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	0
Royal Suites Health Care & Rehabilitation	214 West Jimmie Leeds Road	Senior Care Facility	0	0	0	0	0	0	0	0	1
NJAWC - Chris Gaupp Station	456 Chris Gaupp Drive	Water Supply Facility	0	0	0	0	0	0	0	1	0
NJAWC - Smithville Station	525 E. Moss Mill Road	Water Supply Facility	0	0	0	0	0	0	0	1	0
NJAWC - Wrangleboro Station	218 Walden Way	Water Supply Facility	0	0	0	0	0	0	0	1	0
Total			0	0	1	0	0	0	0	8	2

Summary of Estimated Potential Losses from Hazards

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

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

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

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

Summary of Estimated Potential Losses From Hazards		
Township of Galloway		
Quantified Hazard	Annualized Loss	Annual Loss Ratio
Extreme Wind	\$873,000	0.033%
Hurricane and Tropical Storm	\$1,920,000	0.040%
Lightning	\$7,500	0.000%
Tornado	\$2,300	0.000%
Drought*	\$539,000	5.000%
Winter Storm	\$23,800	0.001%
Coastal Erosion	\$0	0.000%
Flooding (Riverine)	\$0	0.000%
Storm Surge (Coastal Flooding)	\$546,000	0.010%
Earthquake	\$55,000	0.001%

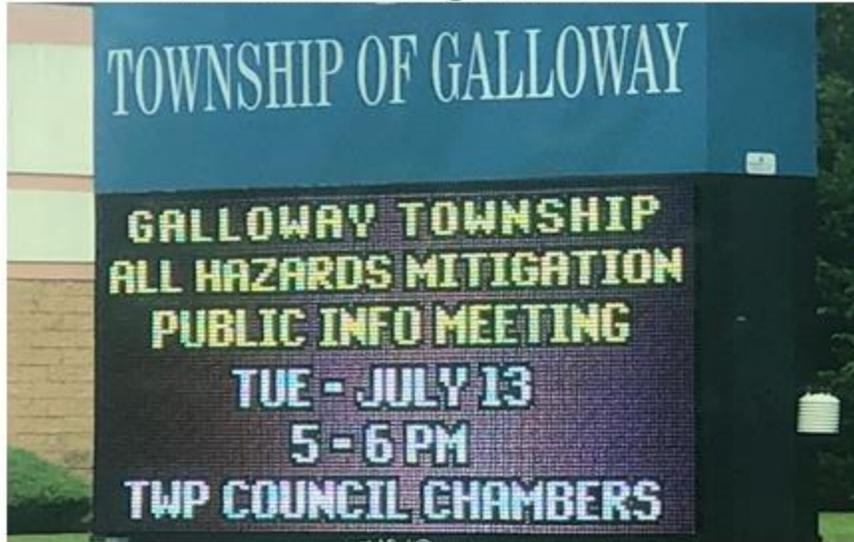
*Derived from crop values

Outreach to the Public and Other Stakeholders

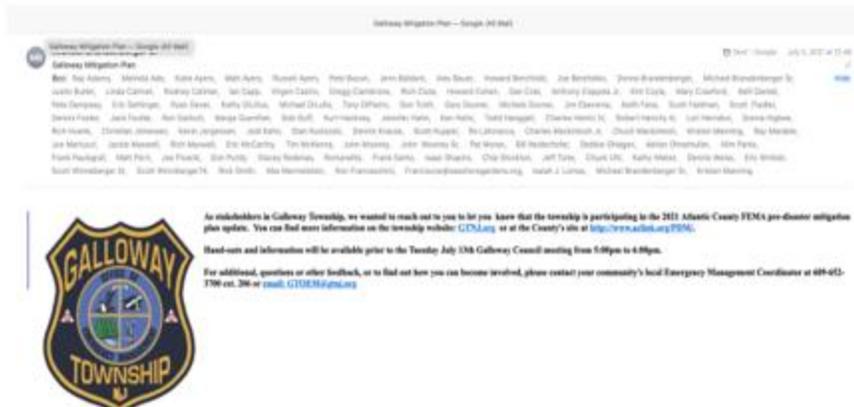
As part of this 2022 Plan Update, Township of Galloway undertook various activities to: (a) alert the public and other stakeholders to the fact that the HMP Planning Committee was working to develop the update; and (b) provide the public and other stakeholders with a forum to ask questions and submit comments and suggestions on the process. Outreach activities undertaken by Township of Galloway included those listed below. Comments arising from outreach activities are presented on the following page.

Outreach Activities			
Date of Activity	Type of Activity	Activity Details	Lead Department and/or Staff Title who Undertook Activity
06/08/2021	Meeting	Briefing with neighbor town (Absecon)	Brandenberger / Maxwell
06/15/2021	Meeting / Presentation	Presentation to Mayor , Council and Public. Broadcasted on the Township's local television channel, available to all residents	Brandenberger / Maxwell
06/28/2021	Website	Public Re-certification announcement posted on township website	Brandenberger
7/05/2021	EAMIL	Emailed Department heads and local stakeholders OPEN PUBLIC MEETING scheduled for July 13, 2021	Brandenberger
7/06/2021	Public Advertising	Township electric message board announcing open public meeting July 13th	Brandenberger
7/13/2021	Meeting	Public Stakeholders meeting	Brandenberger: Four attendees

Galloway Township Electronic Message Board with Public Meeting Announcement



Email sent to stakeholders (LTCF, Stockton University, bussiness, department heads)



Galloway Township Website



Atlantic County Multi-Jurisdictional Natural Hazard Mitigation Planning Project 2021

Published: 29 June 2021 | Print | Email | Hits: 57

Galloway Township is participating in the Atlantic County's 2nd update of its Pre-Disaster Mitigation Plan

See the Atlantic County website for more information:
<https://www.atlantic-county.org/hazard-mitigation/>

Natural hazards have the potential to cause property loss, loss of life, economic hardship, and threats to public health and safety. While an important aspect of emergency management deals with disaster recovery (the actions that a community takes to repair damage), an equally important aspect of emergency management involves hazard mitigation – sustained actions taken to reduce long-term risk to life and property. There are things we do today to be more protected in the future. For example, elevating or securing buildings in flood hazard areas, relocating critical facilities out of hazard areas, using fire-resistant construction materials in wildfire hazard areas, etc. Hazard mitigation actions are essential to breaking the typical disaster cycle of damage, reconstruction, and repeated damage. With careful selection, they can be long-term, cost-effective means of reducing risk and helping to create a more sustainable and disaster-resilient community.

A hazard mitigation plan describes an area's vulnerability to the various natural hazards that are typically present, along with an array of actions and projects for reducing key risks. This project list is known as a "mitigation strategy." While natural disasters cannot be prevented from occurring, the continued implementation of mitigation strategies identified in the plan will gradually, but steadily, make our communities more sustainable and disaster-resilient.

The Multi-Jurisdictional Natural Hazard Mitigation Plan for Atlantic County was prepared between 2008 and 2010 to meet the requirements of the Disaster Mitigation Act of 2000 (DMA 2000), which requires all states and local governments to have a hazard mitigation plan in order to be eligible to apply for certain types of federal hazard mitigation project grants. FEMA grant monies were received to cover the costs of the plan's development. Atlantic County used a "multi-jurisdictional" approach, inviting all of the municipalities within the County to participate in the plan. At that time, 19 of the County's 23 jurisdictions opted to participate. This opened the door for the County and each of its 19 participating jurisdictions to apply to FEMA for hazard mitigation project funding, including monies which became available under recent Federal disaster declarations for hurricane Irene and Superstorm Sandy in 2012. Plan participants have been working since the plan was initially approved by FEMA in 2010 to complete the projects that were listed in their mitigation strategies. The four communities that did not participate in the 2010 plan prepared a separate plan on their own in 2013; they have been invited to participate with the rest of the county in the overall multi-jurisdictional plan update. The County did their first update to their plan in 2018.

Hazard mitigation plans must be: (a) implemented on an ongoing basis, and (b) updated every five years to ensure that they remain applicable representations of local risk and locally-preferred risk reduction strategies. Atlantic County and its jurisdictions initiated the first formal plan update this summer; the process is ongoing. The updated plan is expected to be reapproved by FEMA and adopted by participating communities in 2021. The County has once again obtained FEMA grant funding to cover the cost of the plan update, and has opted to continue its "multi-jurisdictional" approach. The County looks forward to all 23 of its municipalities participating. Each participating jurisdiction is attending meetings, providing feedback in a series of topic areas, reaching out to the public and other key stakeholders in the community, and developing an updated mitigation strategy. Successful participation in the plan update process is required to maintain eligibility to apply for mitigation project grants.

For questions or other feedback, or to find out how you can become involved, please contact your community's local elected official or Emergency Management Coordinator at 609-652-3700 ext. 295 or email: GTCDEM@gtm.org

Comments Log									
#	Comment	Comment Submitted By	Comment Submitted To	Comment Submitted on Date	How was comment submitted?	Disposition (Concur; non-concur; will evaluate)	Response / Action Proposed	Responsible Party	Action taken
1	Flooding concerns on Moss Mill Road and Old Port Republic Roads. - This is a county road and they are addressing this issue.	Richard Clute	M Brandenberger	7/13/21 Stakeholders meeting	Verbal	Planning Phase	To be determined	Being address through the Atlantic County and the township	To be determined
2	Flooding concerns surrounding patriots lake -	M. DiLullo	M Brandenberger	7/13/21 Stakeholders meeting	Verbal	Planning Phase	To be determined	Being address through the Atlantic County and the township	To be determined

Capability Assessment

This section describes the following capabilities of Township of Galloway :

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

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

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

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

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

<p>Would you classify your community's <u>legal and regulatory</u> capability to implement hazard mitigation strategies as high, moderate, or low?</p>	<p>Would you classify your community's overall <u>technical</u> capability to implement hazard mitigation strategies as high, moderate, or low?</p>	<p>Would you classify your community's overall <u>fiscal</u> capability to implement hazard mitigation strategies as high, moderate, or low?</p>	<p>Would you classify your community's overall <u>administrative</u> capability to implement hazard mitigation strategies as high, moderate, or low?</p>	<p>Would you classify your political leadership's willingness to enact policies and programs that reduce hazard vulnerabilities in your community as high, moderate, or low - <u>even</u> if met with opposition? (i.e., guiding development away from identified hazard areas)?</p>
<p>High</p>	<p>High</p>	<p>High</p>	<p>High</p>	<p>High</p>

Discuss ways of bridging identified gaps in your local capabilities to ensure that they are in-line with your mitigation actions and goals.

All capabilities deemed to be currently in-line with our mitigation actions and goals.

YES

Plan Integration

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

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

The Township of Galloway adopted Ordinance No. 2043-2021 on April 13, 2021, amending Section 233-55 of the Township Code for Stormwater Management. The Township of Galloway adopted the 2020 Master Plan Reexamination Report on October 15, 2020.

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

Galloway Township will continue to work on mitigation projects while maintain their current state of readiness. The Planning and Zoning Boards will continue to enforce the new stormwater management rules and standards on all proposed development.

Mitigation Strategy

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

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

Progress on 2016 Plan Actions

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

Township of Galloway priorities have not changed, Galloway Township continues to be proactive in addressing all issues as they occur through planning.

PROGRESS ON 2016 HAZARD MITIGATION PLAN INITIATIVES												
2016 Plan Initiative Number	Mitigation Initiative Description	2016 Plan Priority	Hazard(s) Mitigated	Lead and Support Agencies	Status				Status Details	Relevance		Relevance Details
					Completed	Initiated but Not Completed	Ongoing Type of Activity	Not Initiated		Still Relevant - Carry Forward to Updated Mitigation Strategy	No Longer Relevant - Omit from Updated Mitigation Strategy	
1	Retrofit the Municipal Complex to withstand hurricane force winds by installing storm shutters and a vestibule that would sustain 120 mph winds.		Extreme wind					X	Plan for future new/upgrades to complex under consideration	X		Plan for future new/upgrades to complex under consideration
2	Retrofit all fire house to withstand hurricane force winds and retrofit with back-up generator to provide shelter for strike teams throughout the township.	High	All	GT FDs		X			Partial Completion All FD station now have back-up generators.	X		Retrofitting FD stations to withstand hurricane force winds any further no funding at this time.

Hazard Mitigation Accomplishments (2016-2021)

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

Past Mitigation Accomplishments				
Project	Status		Funding Source	Relationship to Plan
	Approved/Active Year	Completed Year		
Pomona Pond and Summerwood Place drainage issues	2018	Completed 2019	Local Budget Contractor \$134,482.00	Not in plan
Woodhaven / Rt 30 Installation drainage and catch basins to alleviate flooding	2018	Completed 2019	Municipal Budget	Not in plan
8th and Magnolia Aves. Drainage Improvements	2018	Completed 2019	Municipal Budget	Not in plan
Quail Hill and Eagle Pt Road. Drainage improvements	2020	Projected 2021	Municipal Budget 2021 Road Program	Not in plan
US RT30/Willow Ave. Drainage Improvements	2020	Projected 2021	Municipal Budget 2021 Road Program	Not in plan
Genoa and Aloe Streets Added drainage	2020	Construction underway / completion 2021	Municipal Budget 2021 Road Program	Not in plan
Wedgewood / 4t Aves: Added drainage	2020	Projected 2021	Municipal Budget 2021 Road Program	Not in plan
Camel Back Dr: Added drainage	2020	Projected 2021	Municipal Budget 2021 Road Program	Not in plan
Second Ave / Ryan Ridge Added drainage	2020	Projected 2021	Municipal Budget 2021 Road Program	Not in plan
Patriot's Lake Flooding / Municipal Complex access compromised during heavy rains	2021	Projected 2022	Local/County Funding	Not in plan

Proposed 2022 Plan Mitigation Actions

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

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

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

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

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

Action Worksheet	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Galloway Township</i>
Community action number	<i>1</i>
Assessing the Risk	
Hazard(s) addressed	<i>Multiple including, but not limited to, extreme wind, hurricane/tropical storms, etc.</i>
Risk finding	<i>Protection and security of the local EO.C, Police Station and 9-1-1 center</i>
Describing the Action	
Action category	<i>Structure</i>
Action type	<i>Protect building and infrastructure</i>
Action description	<i>Retrofit the Municipal Complex to withstand hurricane force winds by installing storm shutters and a vestibule that would sustain 120 mph winds.</i>
Existing, future &/or NA	<i>Address existing structure</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Protection of the Emergency Operation Center and 911 center. Reducing damage to structures and infrastructure. Preventing the evacuation of emergency staff during a natural disaster. The economic benefit is the continuation of emergencies during time of disaster.</i>
Cost estimate	<i>\$175,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Cost Effectiveness: To prevent the loss of life.</i>
Technical	<i>Technically feasible will reduce the potential of evacuation of the EOC and 9-1-1 center</i>
Political	<i>No apparent political issues</i>
Legal	<i>No apparent legal issues</i>
Environmental	<i>No environmental issues</i>
Social	<i>No Social issues</i>
Administrative capability	<i>Pubic Works will administer and monitor the outside contractors</i>
Local champion	<i>N/A</i>
Other community objectives	<i>N/A</i>
Implementing the Action	
Priority	
Local planning mechanism	<i>N/A</i>
Responsible party	<i>Township Public Works</i>
Potential funding sources	<i>LOI filed January 2013 / Grants / Local funding</i>
Time line	<i>5 years</i>
Reporting on Progress	
Action progress status	<i>Two generators replaced 2016 HMGP Grant, Police Department and Municipal Complex. .We are continuing to seek funding for the Municipal Complex to withstand hurricane force winds</i>

Action Worksheet	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Galloway Township</i>
Community action number	2
Assessing the Risk	
Hazard(s) addressed	<i>Multiple including, but not limited to, extreme wind, hurricane/tropical storms, etc.</i>
Risk finding	<i>During natural disaster our fire stations provide essential emergency services</i>
Describing the Action	
Action category	<i>Structure</i>
Action type	<i>High Wind Proofing</i>
Action description	<i>Retrofit all fire house to withstand hurricane force winds and retrofit with back-up generator to provide shelter for strike teams through out the township.</i>
Existing, future &/or NA	<i>Existing and Future</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>Protection of Fire stations Reducing damage to structures and infrastructure. Preventing the evacuation of firefighters during a natural disaster. The economic benefit is the continuation of emergency services during time of disaster.</i>
Cost estimate	<i>\$225,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Cost Effectiveness: To prevent the loss of life and property. Based on the current average resident value of \$174,000.</i>
Technical	<i>This action is technically feasible. 'Technically feasible will reduce the evacuation of the Fire Stations</i>
Political	<i>No apparent political issues</i>
Legal	<i>No apparent legal issues</i>
Environmental	<i>No environmental issues</i>
Social	<i>No Social issues</i>
Administrative capability	<i>Fire Department Officials will administer and monitor the outside contractors</i>
Local champion	<i>The Director of the Galloway Township Office of Emergency is the advocate for this action</i>
Other community objectives	<i>Fire Stations will also provide emergent shelter for residents.</i>
Implementing the Action	
Priority	
Local planning mechanism	<i>The Fire Departments along with the Office of Emergency Management will coordinate implementation of this action</i>
Responsible party	<i>Township Public Works</i>
Potential funding sources	<i>LOI filed January 2013 / Grants / Local funding</i>
Time line	<i>5 - 10 years</i>
Reporting on Progress	
Action progress status	<i>COMPLETED</i>

Action Worksheet	
Your plan name	<i>Atlantic County Multi-jurisdictional Hazard Mitigation Plan</i>
Your community name	<i>Galloway Township</i>
Community action number	3
Assessing the Risk	
Hazard(s) addressed	<i>Flooding</i>
Risk finding	<i>FEMA records indicate repetitive loss in Galloway for 8 properties</i>
Describing the Action	
Action category	<i>Structure</i>
Action type	<i>Investigate mitigation option for all repetitive loss properties</i>
Action description	<i>Identify location of RL properties. Communicate with owners for participation</i>
Existing, future &/or NA	<i>Existing</i>
Evaluating the Action	
Losses avoided (i.e., benefits)	<i>future residential flood losses</i>
Cost estimate	<i>\$100,000 - \$200,000</i>
Cost effectiveness (i.e., benefit/cost)	<i>Yes is cost effective</i>
Technical	<i>Yes project is feasible</i>
Political	<i>No apparent political issues</i>
Legal	<i>No apparent legal issues</i>
Environmental	<i>No environmental issues possible benefit with more open saves</i>
Social	<i>No Social issues</i>
Administrative capability	<i>Galloway OEM</i>
Local champion	<i>Galloway OEM</i>
Other community objectives	<i>No</i>
Implementing the Action	
Priority	<i>Medium</i>
Local planning mechanism	<i>Galloway OEM</i>
Responsible party	<i>Galloway OEM</i>
Potential funding sources	<i>FEMA grants / Blue Acres</i>
Time line	<i>5 - 10 years</i>
Reporting on Progress	
Action progress status	<i>New action</i>