

**APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS**

Priority Risk Index for Atlantic County				
PRI Category	Degree of Risk			Assigned Weighting Factor
	Level	Index Value	Criteria	
Probability	Unlikely	1	Less than 1% annual probability	30%
	Possible	2	Between 1 and 10% annual probability	
	Likely	3	Between 10 and 100% annual probability	
	Highly Likely	4	100% annual probability	
Impact	Minor	1	Very few injuries, if any. Only minor property damage and minimal disruption on quality of life. Temporary shutdown of critical facilities.	30%
	Limited	2	Minor injuries only. More than 10% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for more than one day.	
	Critical	3	Multiple deaths/injuries possible. More than 25% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for more than one week.	
	Catastrophic	4	High number of deaths/injuries possible. More than 50% of property in affected area damaged or destroyed. Complete shutdown of critical facilities for 30 days or more.	
Spatial Extent	Negligible	1	Less than 1% of area affected	20%
	Small	2	Between 1 and 10% of area affected	
	Moderate	3	Between 10 and 50% of area affected	
	Large	4	Between 50 and 100% of area affected	
Warning Time	More than 24 hours	1	Self explanatory	10%
	12 to 24 hours	2	Self explanatory	
	6 to 12 hours	3	Self explanatory	
	Less than 6 hours	4	Self explanatory	
Duration	Less than 6 hours	1	Self explanatory	10%
	Less than 24 hours	2	Self explanatory	
	Less than one week	3	Self explanatory	
	More than one week	4	Self explanatory	

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Hazard Risk Rankings for Each Jurisdiction																		
Jurisdiction	Atmospheric								Hydrologic								Geologic	Other
	Extreme Temperatures	Extreme Wind	Hail	Hurricane and Tropical Storm	Lightning	Nor'easter	Tornado	Winter Storm	Coastal Erosion	Sea Level Rise	Dam Failure	Drought	Flood	Tsunami	Storm Surge	Wave Action	Earthquake	Wildfire
ATLANTIC COUNTY	M	M	L	H	L	M	M	M	M	H	L	L	H	L	H	M	L	M
Absecon, City of	M	M	L	H	L	M	L	M	L	H	L	L	H	L	H	M	L	L
Atlantic City, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	H	H	L	L
Brigantine, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	H	M	L	L
Buena, Borough of	M	M	L	H	L	M	L	M	#N/A	#N/A	L	L	H	#N/A	#N/A	#N/A	L	M
Buena Vista, Township of	M	M	L	H	L	M	L	M	#N/A	#N/A	#N/A	L	M	#N/A	#N/A	#N/A	L	M
Corbin City, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	H	L	L	M
Egg Harbor City, City of	M	M	L	H	L	M	L	M	#N/A	H	L	L	H	L	M	#N/A	L	M
Egg Harbor, Township of	M	M	L	H	L	M	L	M	M	H	M	L	H	L	M	M	L	M
Estell Manor, City of	M	M	L	H	L	M	L	M	M	H	L	L	H	L	M	L	L	M
Folsom, Borough of	M	M	L	H	L	M	L	M	#N/A	#N/A	L	L	H	#N/A	#N/A	#N/A	L	M
Galloway, Township of	M	M	L	H	L	M	L	M	M	H	L	L	H	L	M	M	L	M
Hamilton, Township of	M	M	L	H	L	M	L	M	#N/A	H	M	L	H	L	M	#N/A	L	M
Hammonton, Town of	M	M	L	H	L	M	L	M	#N/A	#N/A	L	L	M	L	L	#N/A	L	M
Linwood, City of	M	M	L	H	L	M	L	M	M	H	L	L	H	L	H	M	L	L
Longport, Borough of	M	M	L	H	L	H	L	M	H	H	#N/A	L	H	L	H	M	L	L
Margate City, City of	M	M	L	H	L	H	L	M	H	H	#N/A	L	H	L	H	M	L	L
Mullica, Township of	M	M	L	H	L	M	L	M	#N/A	H	L	L	H	L	M	#N/A	L	M
Northfield, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	M	#N/A	L	L
Pleasantville, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	M	L	L	L
Port Republic, City of	M	M	L	H	L	M	L	M	M	H	L	L	H	L	H	L	L	M
Somers Point, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	H	M	L	L
Ventnor City, City of	M	M	L	H	L	M	L	M	M	H	#N/A	L	H	L	H	L	L	L
Weymouth, Township of	M	M	L	H	L	M	L	M	#N/A	#N/A	M	L	M	L	M	#N/A	L	M
Notes:																		

<sup>[1]</sup> N/A = The hazard was not identified as a significant hazard of concern for the jurisdiction because the footprint of the hazard area is entirely outside of the jurisdictional boundary, as detailed in the hazard profiles of Section 3A.

<sup>[2]</sup> Levee Failure – Atlantic County has no levees therefore PRI was not done for levee failure

PRI Results for Each Jurisdiction																		
Jurisdiction	Atmospheric								Hydrologic							Geologic	Other	
	Extreme Temperatures	Extreme Wind	Hail	Hurricane and Tropical Storm	Lightning	Nor'easter	Tornado	Winter Storm	Coastal Erosion	Sea Level Rise	Dam Failure	Drought	Flood	Tsunami	Storm Surge	Wave Action	Earthquake	Wildfire
ATLANTIC COUNTY	2.7	2.9	2.2	3.0	2.2	2.4	2.5	2.7	2.9	3.0	2.2	2.2	3.3	1.8	3.1	2.9	1.9	2.6
Absecon, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.3	3.0	1.9	2.2	3.0	1.8	3.0	2.5	1.9	2.0
Atlantic City, City of	2.7	2.9	2.2	3.0	2.2	2.7	2.2	2.7	2.7	3.0	#N/A	2.2	3.2	2.2	3.0	3.1	1.9	2.0
Brigantine, City of	2.7	2.9	2.2	3.0	2.2	2.7	2.2	2.7	2.7	3.0	#N/A	2.2	3.2	1.8	3.0	2.8	1.9	2.0
Buena, Borough of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	#N/A	1.6	2.2	3.1	#N/A	#N/A	#N/A	1.9	2.8
Buena Vista, Township of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	#N/A	#N/A	2.2	2.8	#N/A	#N/A	#N/A	1.9	2.5
Corbin City, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	#N/A	2.2	3.0	1.8	3.0	2.3	1.9	2.8
Egg Harbor City, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	3.0	1.6	2.2	3.0	1.8	2.8	#N/A	1.9	2.8
Egg Harbor, Township of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	2.7	2.2	3.0	2.0	2.8	2.6	1.9	2.8
Estell Manor, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	1.9	2.2	3.0	1.8	2.8	2.1	1.9	2.8
Folsom, Borough of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	#N/A	1.6	2.2	3.0	#N/A	#N/A	#N/A	1.9	2.8
Galloway, Township of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	1.6	2.2	3.0	2.0	2.8	2.5	1.9	2.8
Hamilton, Township of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	3.0	2.4	2.2	3.0	1.5	2.8	#N/A	1.9	2.8
Hammonton, Town of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	#N/A	1.9	2.2	2.8	1.3	1.2	#N/A	1.9	2.8
Linwood, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	1.9	2.2	3.0	2.0	3.0	2.8	1.9	2.0
Longport, Borough of	2.7	2.9	2.2	3.0	2.2	3.0	2.2	2.7	3.0	3.0	#N/A	2.2	3.2	2.2	3.0	2.8	1.9	1.8
Margate City, City of	2.7	2.9	2.2	3.0	2.2	3.0	2.2	2.7	3.0	3.0	#N/A	2.2	3.2	2.2	3.0	2.6	1.9	1.8
Mullica, Township of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	#N/A	3.0	1.9	2.2	3.0	1.5	2.8	#N/A	1.9	2.8
Northfield, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	#N/A	2.2	3.0	2.1	2.8	#N/A	1.9	2.0
Pleasantville, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	#N/A	2.2	3.0	2.1	2.8	2.3	1.9	2.0
Port Republic, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	1.6	2.2	3.2	1.8	3.0	2.3	1.9	2.8
Somers Point, City of	2.7	2.9	2.2	3.0	2.2	2.4	2.2	2.7	2.9	3.0	#N/A	2.2	3.0	2.3	3.0	2.6	1.9	1.8
Ventnor City, City of	2.7	2.9	2.2	3.0	2.2	2.7	2.2	2.7	2.7	3.0	#N/A	2.2	3.2	2.2	3.0	2.3	1.9	2.0
Weymouth, Township of	2.7	2.9	2.2	3.0	2.2	2.7	2.2	2.7	#N/A	#N/A	2.4	2.2	2.8	1.8	2.8	#N/A	1.9	2.8

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Atlantic County												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Possible	2	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.5	M
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Highly Likely	4	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.3	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Likely	3	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	3.1	H
Wave Action	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Small	2	Less than 6 hours	4	Less than one week	3	2.6	M
<b>Key Risk Findings:</b>												
The current configuration of the intersection and roadway allows for flooding on regular tidal events and during larger storms prevents evacuation of the Ventnor Heights and Chelsea Heights neighborhoods.												
Pump station is critical in removal of flood water in the communities of Ventnor and Margate. Storm water system is antiquated and has produced multiple failures of the system resulting flooded streets, and residential/commercial properties in Ventnor and Margate and surrounding areas.												
The public's general understanding of natural hazards and mitigation techniques could be improved. The overall level of disaster resistance, in a community, would increase if more households understood the above and acquired the low-cost or no-costs , small scale mitigation activities.												
By ensuring that local plans incorporate natural disaster techniques the risks to people and property could be reduced from hazards such as hurricanes, tropical storms, flooding, storm surge, noreasters, coastal erosion, etc... Hazard mitigation techniques in local comprehensive plans can provide improved life safety and protection of property in communities.												
Prevent risks from increasing if local planning and zoning decisions are made without consideration of natural hazard and mitigation techniques.												
Keeping new and updated development in line with the Hazard Mitigation Plan Strategies.												
The disaster preparedness information will aid the public in educating them in how to be better prepared for natural and man made hazards including hurricanes, tropical storms, flooding, wild fires, nor'easters, hazmat incidents, terroristic events, etc.... The public will have access to how to take mitigation actions in and around their homes and/or businesses, including raising utilities, shuttering windows, reinforcing roofs, installing standby generators, removing trees/brush, etc... Public will also have access to evacuation routes, for hurricanes, and general information on disaster preparedness for their families/neighbors regarding emergency go kits, sheltering in place, evacuation timing, and what to expect/bring to an evacuation shelter. Continual updating of the disaster preparedness information will enable the residents and visitors of the county to be better prepared and self sustaining during emergencies.												
Local codes & ordinances can be updated to address natural disaster mitigation techniques for, if already included, they can be re-evaluated to improve upon or expand the mitigation approach.												
The community's overall level of disaster resistance would increase if hazard mitigation principles were more closely aligned with day-to-day operations and activities.												

## APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Absecon, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Minor	1	Small	2	More than 24 hours	1	Less than one week	3	2.3	L
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Critical	3	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.9	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Minor	1	Moderate	3	More than 24 hours	1	Less than one week	3	2.5	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L
<b>Key Risk Findings:</b>												
Frequent flooding on South Shore Road (Atlantic County Route 585) between Ohio Avenue (Atlantic County Route 630) and Illinois Avenue												
Substantial flooding along Euclid Drive during normal storm events and above normal high tides. During Super Storm Sandy, this corridor encountered significant flooding and at times could not be accessed with any vehicles in the City's emergency response fleet.												
Substantial flooding adjacent to Absecon Creek along Marlin Road, Showellton Avenue, and Ohio Avenue. During Super Storm Sandy, the project area encountered significant flooding.												
Frequent flooding on South Mill Road (Atlantic County Route 651) between Ohio Avenue (Atlantic County Route 630) and Pleasant Avenue.												
The Faunce Landing Pump Station, Drive-in Pump Station, Reeds Bay Pump Station, and Illinois Avenue Pump Station are located in areas prone to flooding and were damaged by high flood waters during Super Storm Sandy												
Frequent flooding due to an undersized outfall from Jenkins Pond to Absecon Creek, causing flooding on Shore Road (NJ Route 157) and overland flow down Berkley and Tremont Avenues and through the adjacent neighborhood.												
Frequent nuisance flooding on various City roadways due to an undersized outfall from Hobart Avenue across Shore Road (NJ Route 157) to Sooy's Lane.												
Six (6) properties in the City of Absecon have been classified as repetitive loss properties.												

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Summary of PRI Results for Atlantic City, City of												
Hazard	Category/Degree of Risk										PRI Score	Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE		
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Limited	2	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion *	Highly Likely	4	Critical	3	Negligible	1	More than 24 hours	1	Less than one week	3	2.7	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Large	4	6 to 12 hours	3	Less than 24 hours	2	2.2	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Critical	3	Moderate	3	More than 24 hours	1	Less than one week	3	3.1	H
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L

## APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

<b>Key Risk Findings - Atlantic City:</b>										
* Impacts of coastal erosion, hurricanes and tropical storms, and nor'easters are mitigated by the USACE coastal flood risk management project on Absecon Island. Impacts would increase substantially should beach/dune renourishment of the project cease.										
Stormwater system clogging										
The City administration has been working to address areas of the City that are vulnerable to flooding. Additionally, the City has been active in pursuing outside funding to remedy high risk areas.										
Basement of Boardwalk Hall floods										
Deteriorated bulkheads are causing flooding and soil erosion.										
Low-lying areas need perimeter protection										
City codes did not conform to new BFE										
The City's critical facilities could be impacted by loss of power and communications.										
Protecting evacuation route for residents of the Lower Chelsea section of the City.										
Identify and document properties that repetitively flood. Explore mitigation opportunities for repetitively flooded properties and if necessary, carry out acquisition, relocation, elevation and flood-proofing measures to protect these properties.										
The City is looking to elevate traffic signal control boxes to ensure that the structures are rebuilt stronger, safer and are less vulnerable to future flooding events.										
The City lacks an emergency communications system and is looking for ways to increase safety measures for residents and visitors during hazard events.										
The City's buildings do not have emergency generators. The addition of emergency generators will allow City facilities, including our firehouses and community buildings to operate during natural disasters.										
Increase public awareness as a tool for future planning and prevention measures.										
A deteriorated bulkhead is causing flooding on a frequent basis.										
Emergency generators for the City 911 dispatch system are on the first floor of City Hall.										
A deteriorated bulkhead is needs to be replaced and dredging the basin will allow for larger vessels to access the basin.										

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Brigantine, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Limited	2	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion*	Highly Likely	4	Critical	3	Negligible	1	More than 24 hours	1	Less than one week	3	2.7	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Moderate	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Limited	2	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L
<b>Key Risk Findings:</b>												
* Impacts of coastal erosion, hurricanes and tropical storms, and nor'easters are mitigated by the USACE coastal flood risk management project on Brigantine Island. Impacts would increase substantially should beach/dune renourishment of the project cease.												
Post Sandy inspections and damages revealed items in the local codes that needed to be adjusted to mitigate potential damages and loss of life												
There may be areas that can be targeted for Blue Acres Acquisition primarily on Brigantine Avenue, Harbor Beach Boulevard and East Evans Avenue.												
Continue to revise local codes that needed to be adjusted to mitigate potential damages and loss of life												
Emergency generators are needed in various locations												
Check valves and outlet structures may be not operating as designed.												
In previous years, pertinent information and warnings were not disseminated as widely as possible, information on our websites were not linked to ACOEM												
Continue to work towards a lower CRS rating to reduce flood insurance cost for City property owners												
Flooding in low lying areas												
Localized flooding (multiple areas)												
Stormwater system clogging												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Buena, Borough of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Small	2	6 to 12 hours	3	Less than one week	3	2.8	M
Tsunami	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Storm Surge	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Limited	2	Moderate	3	Less than 6 hours	4	Less than one week	3	2.5	M
<b>Key Risk Findings:</b>												
To avoid power outages to the Road Department Building. Disruption of power prevents trucks and emergency vehicles from receiving gas during storms; preventing services such as snow plowing , critical cleanup, and EMS response.												
Prevent an interruption of the sanitation system and water supply to residents and businesses in Buena Borough												
During past power failures, there has been a need for emergency power to keep critical medical devices functioning in our Senior living centers.												
Borough is currently using Nixle, social media to manually disseminate emergency information and instructions.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Buena Vista, Township of												Hazard Ranking
Hazard	Category/Degree of Risk											
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Dam Failure	Unlikely	1	Limited	2	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.6	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Highly Likely	4	Critical	3	Small	2	6 to 12 hours	3	Less than one week	3	3.1	H
Tsunami	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Storm Surge	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Age restricted mobile home community, flooding forces evacuation, potential threat to life.												
Lake/pond flooding forces a main road to close, creating erosion of the road and removing traprocks and island breakage blocks the dam.												
Extreme flooding in the areas of Chestnut Avenue and Vine Road.												
Cranberry Run experiences recurring floods with heavy rainfall in short timeframes having caused or capabilities to cause life and propoerty risk.												
Flooding and risk to properties in areas inclusive of, but not limited to, the Highland Avenue/Milmay area.												
Inadequate piping currently in place to handle projected flows inclusive of but not limited to the Collings Lakes area.												
Upgrade drainage systems. Actions that are inclusive of but not limiting to increasing capacity and culverts to limit ponding in the areas throughout the township.												
Increase carrying capacity, alleviate flooding and additional damage to roadway and adjacent residential properties in the area of Cedar Gardens												
Risk of loss of life or injuries to vulnerable populations (elderly and disabled) during flooding and other events, as a result of failing to evacuate due to no place to go.												
Work together with County and communities to develop and implement an enhanced all hazards, public outreach / education / mitigation information program..												
Mitigate vulnerable structures from repetitive loss.												
Lack of secondary ingress/egress in community. Create a firewise community												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Corbin City, City of												
Hazard	Category/Degree of Risk										PRI Score	Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE		
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Minor	1	Small	2	More than 24 hours	1	Less than one week	3	2.3	L
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Sand and soil from being washed away by river current												

## APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Egg Harbor City, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Limited	2	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.6	L
Levee Failure	N/A		No recorded levees in Atlantic County									N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Did not participate in last County plan												
City Dam needs retrofit to prevent overtopping during a hazard event and resultant potential for dam collapse and damage to surrounding properties including a campground.												
Carrying capacity of creek is insufficient, causing flooding of and damage to nearby properties.												
Trees may topple or adversely affect structures, in frastructure, or roadways during a storm event.												
Damage to structures, infrastructure, and roadways can occur from broken water and sewer mains; in addition, adequate drinking water may not be available if flooding occurs from broken mains.												
Structures are susceptible to damage during hazard events, particularly during flooding events and need to be mitigated.												
Public understanding of hazard mitigation and its benefits are limited												
Lack of backup power at critical facilities can shutdown key facilities and critical services (i.e., police, OEM) during a hazard event.												
Local codes and ordinances can be evaluated and updated to improve upon or expand the mitigation approach to address natural disaster mitigation techniques.												
Risks can increase unnecessarily when existing codes are not consistently and appropriately enforced.												
Local plans sometimes lack natural disaster mitigation techniques.												
The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households had a thorough understanding of their risks and things they can do to reduce these risks.												
The community's overall level of disaster resistance would increase if hazard mitigation principles were more closely aligned with day-to-day operations and activities.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Egg Harbor, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Possible	2	Catastrophic	4	Small	2	More than 24 hours	4	Less than 6 hours	1	2.7	M
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Moderate	3	6 to 12 hours	3	Less than 24 hours	2	2.0	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Highly Likely	4	Limited	2	Small	2	More than 24 hours	1	Less than one week	3	2.6	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Public understanding of hazard mitigation and its benefits are limited.												
The Seaview Harbor Area suffered severe flooding during Hurricane Sandy and millions of dollars of damages.												
Prior to the installation of pumps the West Avenue and Delilah oaks areas suffered severe flooding and property damage. The pumps cease operation when the Township loses power during severe weather. Generators attached to these pumps would keep the pumps operational.												
The stormwater removal system in the Pleasantwoods neighborhood is inadequate and causing flooding in the streets.												
During recent storms the Police Department has lost power and switched to emergency generator power. In one of the incidents the diesel powered generator almost ran out of fuel due to the conditions of the roadways etc. A natural gas powered generator would prevent having to rely on fuel deliveries in an emergency situation.												
Sewer overflows create a health, safety and welfare issue and can occur when power is interrupted to sewer pumping stations.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Estell Manor, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Critical	3	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.9	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Highly Likely	4	Minor	1	Negligible	1	More than 24 hours	1	Less than one week	3	2.1	L
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
City has a limited water supply for fire fighting purposes.												
Drainage system improvements are needed to mitigate flooding in the community.												
The general public's understanding of hazard mitigation and its benefits is limited.												
Local codes are sometimes not updated and/or enforced as often as they could be.												
Estell Manor's current master plan does not have a natural disaster mitigation element.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Folsom, Borough of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Dam Failure	Unlikely	1	Limited	2	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.6	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Storm Surge	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Roadway flooding in areas of town due to under sized storm water catch basins systems and drainage trenches that need to be reconstructed.												
Public not understanding the importance of preventing the loss of life and property damage.												
Existing codes sometimes do not address natural disaster concerns in new construction.												
Enforcement of existing codes could be improved.												
Knowledge of zoning and planning issues that arise regarding natural hazards												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Galloway, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Limited	2	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.6	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Small	3	6 to 12 hours	3	Less than 24 hours	2	2.0	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Highly Likely	4	Minor	1	Moderate	3	More than 24 hours	1	Less than one week	3	2.5	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
The municipal complex (which includes local EOC, police station, and 911 center) is not designed to withstand hurricane force winds. This puts the building at risk of damage, and inhibits continuity of operations during times of disaster.												
The fire houses are also not designed to withstand hurricane force winds. This puts the buildings at risk of damage, and inhibits continuity of fire response operations during times of disaster.												
FEMA records indicate repetitive loss in Galloway for 8 properties												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Hamilton, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Catastrophic	4	Small	2	Less than 6 hours	4	Less than 6 hours	1	2.4	M
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Minor	1	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.5	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M

Key Risk Findings - Hamilton:											
Lake Lenape dam is an aging structure with a need for repairs to the water level control system as well as maintenance of the dam structure.											
Flammable materials on the exterior of several academic buildings at Atlantic Cape Community College (ACCC) that are located in close proximity to a high hazard forest area.											
There are multiple buildings on the Atlantic Cape Community College (ACCC) campus that are located in close proximity to a high hazard forest area.											
Heavy rain events can cause stormwater management basins to overflow onto adjacent streets and highways blocking critical evacuation routes.											
The streets and homes located in the area around the intersection of Lenape Av, Park Rd, Third St, Ken Scull Ln & Hudson St is subject to flooding from Dry Run during severe rain events.											
Lake Lenape dam is a concern due to age and importance. There has been an increase in stormwater entering the lake which has caused increased flooding. There is a major concern with the reliability of the dam to contain current and future stormwater flowing into the lake.											
The Main Street Wastewater Pump Station is located near the Great Egg Harbor River and is subject to river and storm surge flooding during hurricane, tropical storm and certain nor'easters.											
The Masonic Wastewater Pump Station is located adjacent to the Great Egg Harbor River and is subject to river and storm surge flooding during hurricane, tropical storm and certain nor'easters. This station is also located just downstream of the Lake Lenape Dam.											
The fire companies serving rural areas of the Township use individual wells to refill their vehicles which puts residents at a higher risk from 'non-event' fire damage when a hazardous event results in loss of electric service.											
The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households undertook low-cost or no-cost small-scale mitigation activities.											
Local codes and ordinances can be updated to address natural disaster mitigation techniques (or, if already included, they can be re-evaluated to improve upon or expand the mitigation approach).											
The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households had a thorough understanding of their risks and things they can do to reduce these risks.											
The community's overall level of disaster resistance would increase if hazard mitigation principles were more closely aligned with day-to-day operations and activities.											
There is a need to improve local shelter availability for resident and enhance the ability of officials to perform vital emergency management functions.											

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Hammonton, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Dam Failure	Unlikely	1	Critical	3	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.9	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Small	2	6 to 12 hours	3	Less than one week	3	2.8	M
Tsunami	Unlikely	1	Minor	1	Negligible	1	6 to 12 hours	3	Less than 24 hours	2	1.3	L
Storm Surge	Unlikely	1	Minor	1	Negligible	1	More than 24 hours	1	Less than one week	3	1.2	L
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
During extensive power outage, town is not able to obtain fuel.												
Backup power is not available at shelter/cooling/warming locations at multiple locations that can not accept mobile generator.												
Loss of diesel fuel will render generators at critical facilities useless if they are not converted to natural gas.												
Hazardous trees pose risks to lives and property during hazard events, and can obstruct transportation routes and disrupt power generation lines and phone lines.												
Hammonton has flood-prone properties that suffer repetitive losses that would benefit from mitigation or possible acquisition.												
Flooding causes damage to area dwellings and businesses.												
Flooding to roadway is hazard to traveling public, businesses, farmland and residences along the Cedar Branch stream corridor.												
Floodplain manager would benefit from education to fulfill certification status; and better monitor and enforce activities in the floodplain.												
Flooding near Bellevue Ave, State Route 54, and Valley Ave and Broadway/Central Avenue and Valley Avenue - areas have a problem with intersection flooding during heavy rain events.												
Flooding caused by unmaintained retention basins												
The general public and staff's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of householdshad a thorough understanding of their risks and things they can do to reduce these risks.												
Improved enforcement of existing codes would provide additional protection of the built environment during a hazard event.												
Problems with natural disaster plan												
Stakeholder education												
Ensure integration of plans												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Linwood, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Critical	3	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.9	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Moderate	3	6 to 12 hours	3	Less than 24 hours	2	2.0	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Limited	2	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L
<b>Key Risk Findings:</b>												
Existing storm drainage system is undersized; this results in flooding of nearby properties, residences, and roadway damage. Areas include: Edgewood Avenue, Lincoln Avenue, Sea Garden Drive, Bloom Site, Fallingwater & VanSant Av												
Backflow of surge into storm drainage system causes flooding.												
West Avenue culvert needs to be replaced to mitigate flooding in the area.												
River Drive and a portion of Poplar Ave need to be elevated; stormwater outfalls need to be reconstructed to correct flooding and prevent hazardous conditions and property and roadway damage.												
None of the City's ten sanitary sewer pump stations have auxiliary power and several are located in the "A" flood zone. Flood waters make them inaccessible and power outage is major concern.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Longport, Borough of												Hazard Ranking
Hazard	Category/Degree of Risk										PRI Score	
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE		
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm*	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter*	Likely	3	Critical	3	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion *	Highly Likely	4	Catastrophic	4	Negligible	1	More than 24 hours	1	Less than one week	3	3.0	H
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Large	4	6 to 12 hours	3	Less than 24 hours	2	2.2	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Limited	2	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Negligible	1	Less than 6 hours	4	Less than one week	3	1.8	L

Key Risk Findings - Longport:											
<p><i>* Impacts of coastal erosion, hurricanes and tropical storms, and nor'easters, could be mitigated if the Borough should opt to participate in the USACE coastal flood risk management project on Absecon Island.</i></p>											
<p>The general public and staff's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households had a thorough understanding of their risks and things they can do to reduce these risks.</p>											
<p>Residents are not always prepared with adequate items needed to be sustainable during a 72 hour time period post-disaster.</p>											
<p>Borough would benefit from an annual review of its level of preparedness for all hazards and our community's resilience.</p>											
<p>Borough does not have a post-disaster recover plan to guide rebuilding after a major event.</p>											
<p>Borough presently lacks an ability to put a 'warning banner' on the borough home page to warn residents and visitors of an impending event.</p>											
<p>Repetitive flood loss properties would benefit from mitigation such as elevation.</p>											
<p>Backup power sources are needed for emergency responders at critical facilities such as Borough Hall, and main water and sewer pumping capabilities</p>											
<p>Overhead wires for all utilities are at risk during hazard events, causing service interruptions for power, communications, etc.</p>											
<p>Beaches and dunes must be maintained and renourished regularly to provide adequate flood risk mitigation and damage reduction.</p>											
<p>Existing 25' setback for homes from seawalls/bulkheads is not enough to prevent structural damage from waves.</p>											
<p>Codes should be reviewed on a regular basis to ensure that they continue to meet mitigation objectives.</p>											
<p>Critical facilities are still potentially susceptible to flooding (particularly: public works, public wells, and sewage pumping stations); technical feasibility for elevation of particular facilities should be evaluated further.</p>											
<p>During severe tidal events, Longport floods from 2' to 5' of water. The majority of homes were built in the 1950s and are therefore below the BFE. During Sandy, Longport had approximately 50 substantially damaged homes. Homes below the BFE would benefit from elevation.</p>											
<p>During Hurricane Sandy, the entire public works complex was covered with 2' to 3' of water.</p>											
<p>Over 5 years flood insurance for Borough Buildings \$ 45,000 to \$ 75,000. With EC we could determine what mitigation methods we could do to lower insurance premiums Ever since Sandy Longport has realized that back bay flooding is a significant reason for Longports flooding- duck bills at storm outflows have been added some areas but not all</p>											
<p>Ever since Sandy Longport has realized that back bay flooding is a significant reason for Longports flooding- although we have established minimal heights for bulkheads some street ends and private properties are still low Longport conducted a two year study on Nuisance flooding 7 areas. We know when they will flood, how long, how high. We received a \$ 1.5 million grant to mitigate one area. Six are remaining.</p>											
<p>Beaches/sand in Longport flows south. As long as the community to our north get sand, we benefit. If the rock groin/jetty at 11th ave &amp; the beach was extended 100 yds +/-, the sand migration would stop. A good example is south end of Brigantine. That would stabilize sand migration on Absecon Island</p>											

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Margate City, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hurricane & Tropical Storm *	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter *	Likely	3	Critical	3	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion *	Highly Likely	4	Catastrophic	4	Negligible	1	More than 24 hours	1	Less than one week	3	3.0	H
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Large	4	6 to 12 hours	3	Less than 24 hours	2	2.2	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Limited	2	Small	2	More than 24 hours	1	Less than one week	3	2.6	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Negligible	1	Less than 6 hours	4	Less than one week	3	1.8	L
<b>Key Risk Findings:</b>												
* Impacts of coastal erosion, hurricanes and tropical storms, and nor'easters, could be mitigated if the Borough should opt to participate in the USACE coastal flood risk management project on Absecon Island.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Mullica, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Critical	3	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.9	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Minor	1	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.5	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Residents and community members that may be uninformed of the risks of hazards.												
Flooding concerns, Moss Mill Road, Darmstadt												
Flooding concerns, New Hampshire Avenue, 7th Avenue												
The risk identified in this area is to be more effective in the response of debris removal after an event.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Northfield, City of												Hazard Ranking
Hazard	Category/Degree of Risk											
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Critical	3	Small	2	6 to 12 hours	3	Less than 24 hours	2	2.1	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L
<b>Key Risk Findings:</b>												
The City of Northfield is a well developed community with many large trees throughout the community. These trees are aging and becoming rotten and are at risk of falling.												
The City of Northfield Public Works operates out of an isolated facility separate from other City facilities and resources. There is no emergency power generator at the building.												
The City of Northfield has a certain vulnerable population that is only partially identified.												
The City of Northfield has a limited capacity to perform emergency notification and warning.												
The City of Northfield has a limited EOC and no adequate alternate EOC.												
The City of Northfield has limited storm drainage capacity and during heavy rains/storms the water runoff creates flooding situations for at least 1 hour causing road closures.												
The City of Northfield does not have shelter capability without utilizing private and/or faith based organizations.												
The City of Northfield does not currently have the capability to produce maps and other related GIS products for planning and emergency response.												
The City of Northfield does not currently have the ability to provide "Reverse 911" communications to the residents.												
The City of Northfield has old Terra-Cotta pipe throughout the city for sewer lines.												
The City of Northfield has no maps of the existing storm sewer system. We have the locations of the catch basins but not the piping.												
The location for emergency sheltering does not have back up power												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Pleasantville, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Critical	3	Small	2	6 to 12 hours	3	Less than 24 hours	2	2.1	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Highly Likely	4	Minor	1	Small	2	More than 24 hours	1	Less than one week	3	2.3	L
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L

Key Risk Findings - Pleasantville:												
Flooding of Edgewater Avenue causes repetitive flooding and damage to about 4 homes.												
Flooding of Park Avenue causes traffic safety issues.												
CRS program scores communities on their effectiveness with flood plain management. Increased CRS rankings for the city would benefit policy holders by reducing premiums.												
The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households took low cost, small scale mitigation activities.												
Existing codes are not consistent or appropriate for present risk.												
state and local building codes are there to protect its citizens and property.												
Local plans can be updated to address natural disaster mitigation techniques. They can be reviewed for improvements.												
Incorporating hazard mitigation activities in all documents and day to day activities.												
Several Locations throughout the city are prone to flooding during heavy rain falls. Results in damaging the infrastructure to the road as well as causing traffic problems and detours for emergency vehicles. Locations include: Edgewater avenue, Route 9 and Park Avenue, California Avenue and Main street, Mulberry avenue between Franklin Blvd and Main Street, Leeds avenue 200-300 block, Decatur Ave and Franklin Avenue, Franklin and Tunis avenue Bayview ave and Edgley Avenue. Roads that need to be elevated per Atlantic County Flood Hazard Inventory: E. Edgewater Avenue, E. Oakland Ave., E. Greenfield Avenue, E. Park avenue, S. Edgely Avenue, Prospect avenue, S. Main Street from E Bayview Ave to E. Greenfield Avenue.												
Need back up generators for Sewer pumps and Emergency alert system. Pleasantville has no emergency alert system. Also, no emergency power at some of the sewer pumping stations. During power outages the pump station goes down creating a back up of sewer in the road way, creating health problem and affecting emergency services response. During hurricane Sandy an emergency alert system would have greatly helped with getting the information to the citizens of the City. Also, it would help with other types of emergencies whether natural or man made. City needs a place to hold citizens during displacement. Currently the recreation center has no emergency power.												
Improve resiliency from tidal flooding and wave action, tidal surges, sea level rise, Tunis Basin												
Flooding in low lying areas												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Port Republic, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Unlikely	1	Limited	2	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	1.6	L
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Minor	1	Small	2	More than 24 hours	1	Less than one week	3	2.3	L
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
Erosion impacts tidal waters of Nacote Creek.												
Flow capacity of local streams and culverts are often exceeded, resulting in flooding of property during severe storms.												
Erosion on the east bank of Nacote Creek.												
Upgrade/replace outdated Mill Street Dam. Extensive forest clearing and development within the surrounding areas has significantly increased which has resulted in an increase of surface water run-off. The Mill Street Dam in its current condition is not adequate enough to accept the increased and future increases for storm water discharge into tidal waters. The lack of structural integrity/failure would impact homes along both sides of the Mill Street Dam.												
Did not participate in initial County plan. Consequences of not being able to apply for mitigation funding.												
Public understanding of hazard mitigation and its benefits are limited.												
As identified in the 2005 Master Plan update; the City has a substantial amount of streams and wetlands that are classified as being extraordinary by the NJDEP. Natural areas (including but not limited to areas like the Mullica River and Nacote Creek, for example) provide floodplain protection, riparian buffers, and other ecosystem services that mitigate flooding; therefore, it is important to preserve this functionality.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Somers Point, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.4	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	Less than one week	3	2.9	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Moderate	3	6 to 12 hours	3	Less than one week	3	3.0	H
Tsunami	Unlikely	1	Limited	2	Moderate	3	Less than 6 hours	4	More than one week	4	2.3	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Limited	2	Small	2	More than 24 hours	1	Less than one week	3	2.6	M
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Negligible	1	Less than 6 hours	4	Less than one week	3	1.8	L
<b>Key Risk Findings:</b>												
Check valves and outlet structures may be not operating as designed, causing tidal and rain flooding												
Flooding and wave action along Bay Avenue, Somers Point-Mays Landing Road and properties adjacent to the Parkway												
Localized tidal flooding, multiple locations												
Stormwater system clogging												
Flooding (tidal and rain) Jordan Road												
Revise local codes that needed to be adjusted to mitigate potential damages and loss of life												
Work towards a lower CRS rating to reduce flood insurance cost for City property owners												
Pertinent information and warnings were not disseminated as widely as possible.												

APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Ventnor City, City of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Limited	2	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion *	Highly Likely	4	Critical	3	Negligible	1	More than 24 hours	1	Less than one week	3	2.7	M
Sea Level Rise	Highly Likely	4	Critical	3	Small	2	More than 24 hours	1	More than one week	4	3.0	H
Dam Failure	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Large	4	6 to 12 hours	3	Less than one week	3	3.2	H
Tsunami	Unlikely	1	Limited	2	Large	4	6 to 12 hours	3	Less than 24 hours	2	2.2	L
Storm Surge	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Wave Action	Highly Likely	4	Minor	1	Small	2	More than 24 hours	1	Less than one week	3	2.3	L
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Minor	1	Small	2	Less than 6 hours	4	Less than one week	3	2.0	L

<p><b>Key Risk Finding - Ventnor City:</b></p> <p><i>* Impacts of coastal erosion, hurricanes and tropical storms, and nor'easters are mitigated by the USACE coastal flood risk management project on Absecon Island. Impacts would increase substantially should beach/dune renourishment of the project cease.</i></p> <p>There are 5 areas of over 600 linear feet of bulkhead that have or will fail, such failure will erode land adjacent including roadways. Some areas are repetitive loss areas.</p> <p>Wellington Ave extends from Dorset Ave in Ventnor to Albany Ave in Atlantic City. It is a main evacuation route during storms. Repetitive flooding of Wellington Avenue. Fire House #2 is located on Wellington Avenue.</p> <p>Risks can increase unnecessarily when existing codes are not consistently and appropriately enforced.</p> <p>Local codes and ordinances can be updated to address natural disaster mitigation techniques (or, if already included, they can be re-evaluated to improve upon or expand the mitigation approach).</p> <p>The general public's understanding of natural hazards and mitigation possibilities could be improved. The community's overall level of disaster resistance would increase if a greater number of households undertook low-cost or no-cost small-scale mitigation activities. According to the community rating system awareness of challenges and problems leads to solutions. The public must know before they can resolve a problem.</p> <p>Periodic flooding from high tides, storms, and hurricanes in the area North and East of Dorset Ave causes flooding of residences, roadways, and sidewalks.</p> <p>Periodically during weather emergencies Ventnor goes off the electric power grid. When the grid is down, power is lost to the pump stations at Lafayette Ave, City Yard (Cornwall Ave), and Fulton and Harvard Ave. When the pump stations are inoperable, residents must evacuate their homes due to a lack of water and sewer. Ensuring continuous and backup power sources for the pump stations would solve this problem.</p> <p>Pump stations at Lafayette Ave, City Yard (Cornwall Ave), and Fulton and Harvard Ave are currently susceptible to flooding. Must be elevated above base flood elevation.</p> <p>CRS recommends having a warning system in place so residents can be notified city wide. Without adequate warning, residents and visitors may lack sufficient time to take protective measures and/or evacuate.</p> <p>Check valves and outlet structures may be not operating as designed, causing tidal and rain flooding</p> <p>Work towards a lower CRS rating to reduce flood insurance cost for City property</p> <p>Flooding in low lying areas due to bulkhead gaps/low bulkheads (Newport/Portland/Edgewater)</p> <p>Localized flooding</p> <p>Contribute documentation for and work with the US Army Corps of Engineers New Jersey Back Bays Coastal Storm Risk Management Study. As the project progresses, Somers Point will adjust its mitigation activities considering more comprehensive improvements planned by the Army Corps.</p>
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APPENDIX 3E – HAZARD RANKINGS AND KEY RISK FINDINGS

Summary of PRI Results for Weymouth, Township of												
Hazard	Category/Degree of Risk											Hazard Ranking
	Probability	PROBABILITY INDEX VALUE	Impact	IMPACT INDEX VALUE	Spatial Extent	SPATIAL INDEX VALUE	Warning Time	WARNING INDEX VALUE	Duration	DURATION INDEX VALUE	PRI Score	
<b>Atmospheric Hazards</b>												
Extreme Temperatures	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Extreme Wind	Highly Likely	4	Limited	2	Large	4	More than 24 hours	1	Less than 24 hours	2	2.9	M
Hail	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Hurricane & Tropical Storm	Possible	2	Catastrophic	4	Large	4	More than 24 hours	1	Less than one week	3	3.0	H
Lightning	Highly Likely	4	Minor	1	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Nor'easter	Likely	3	Limited	2	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
Tornado	Unlikely	1	Catastrophic	4	Negligible	1	Less than 6 hours	4	Less than 6 hours	1	2.2	L
Winter Storm	Highly Likely	4	Minor	1	Large	4	More than 24 hours	1	Less than one week	3	2.7	M
<b>Hydrologic Hazards</b>												
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Coastal Erosion	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
Dam Failure	Unlikely	1	Catastrophic	4	Small	2	Less than 6 hours	4	Less than 6 hours	1	2.4	M
Levee Failure	N/A	No recorded levees in Atlantic County										N/A
Drought	Possible	2	Minor	1	Large	4	More than 24 hours	1	More than one week	4	2.2	L
Flood	Likely	3	Critical	3	Small	2	6 to 12 hours	3	Less than one week	3	2.8	M
Tsunami	Unlikely	1	Limited	2	Small	2	6 to 12 hours	3	Less than 24 hours	2	1.8	L
Storm Surge	Possible	2	Catastrophic	4	Moderate	3	More than 24 hours	1	Less than one week	3	2.8	M
Wave Action	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	Not applicable	#N/A	#N/A	#N/A
<b>Geologic Hazards</b>												
Earthquake	Unlikely	1	Minor	1	Large	4	Less than 6 hours	4	Less than 6 hours	1	1.9	L
<b>Other Natural Hazards</b>												
Wildfire	Possible	2	Critical	3	Moderate	3	Less than 6 hours	4	Less than one week	3	2.8	M
<b>Key Risk Findings:</b>												
The general public is not aware of mitigation factors which could be employed to limit damage from wildfires.												
Ice and snow with high winds produce tree related hazards.												
Excessive spring rains have caused flooding due to poor drainage												
The municipality's overall level of disaster resistance would increase if hazard mitigation principles were more closely aligned with day-to-day operations and activities												
If Municipal Codes are not reviewed and updated to comply with all current Pinelands and CAFRA requirements as well as a pro-active consideration of other probable threat hazards cannot be avoided or lessened.												
Code Enforcement												
The municipality's overall level of disaster resistance would increase if hazard mitigation principles were more closely aligned with day-to-day operations and activities.												
Stormwater in extreme event floods existing wells and septic creating health hazard												
Extreme high tide causes river to overflow banks and flood low lying residences												