



## 9.25 TOWNSHIP OF WANTAGE

This section presents the jurisdictional annex for the Township of Wantage. The annex includes a general overview of the Township of Wantage; an assessment of the Township of Wantage’s risk, vulnerability, and mitigation capabilities; and a prioritized action plan to implement prior to a disaster to reduce future losses and achieve greater resilience to natural hazards.

### 9.25.1 Hazard Mitigation Planning Team

The Township of Wantage followed the planning process described in Section 2 (Planning Process). This annex was developed over the course of several months with input from many jurisdiction representatives. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization. The coronavirus pandemic resulted in a strain on local resources that limited some participation, but every effort was made to connect with staff and stakeholders and gain diverse input. Due to safety precautions, all meetings were held virtually. The following table summarizes who participated and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.25-1. Hazard Mitigation Planning Team

Primary Point of Contact		Alternate Point of Contact
Name / Title: Joseph Konopinski, OEM Coordinator Address: 888 State Route 23, Wantage, NJ 07461 Phone Number: (973) 222-7269 Email: OEM@wantage-nj.org		Name / Title: Michael Restel, Administrator Address: 888 State Route 23, Wantage, NJ 07461 Phone Number: (973) 647-5015 Email: mike@wantagewp-nj.org
NFIP Floodplain Administrator		
Name / Title: Harold Pellow, Engineer Address: 17 Plains Road, Augusta, NJ 07822 Phone Number: (973) 948-6463 Email: hpellow@hpellow.com		
Name	Title	Method of Participation
Joe Konopinski	OEM Coordinator	Primary point of contact, capability assessment completion; mitigation strategy development; provision of data and input on hazard rankings; member of the Steering Committee; attended the kickoff meeting, risk assessment meeting, annex training and mitigation strategy workshop
Michael Restel	Township Administrator	Alternate point of contact, capability assessment completion; mitigation strategy development; provision of data and input on hazard rankings
Harold Pellow	Engineer	NFIP Floodplain Administrator

### 9.25.2 Jurisdiction Profile

Wantage Township is located in northern Sussex County. The Township fully surrounds the Borough of Sussex. New York State is located to the north, the Townships of Lafayette and Hardyston are located to the south, Vernon Township is located to the east and Montague and Frankford Townships are located to the west. It has a total area of 67.5 square miles. The following unincorporated communities are located within the Township: Mount Salem, Rockport, Hanford, Colesville, Van Syckles, Quarryville, Libertyville, Plumbsock, Beemerville, Woodbourne, McCoys Corner, Lewisburg, Martins, Papakating, and Roys. The Wallkill River forms the eastern





border of the Township and its tributaries flow through the Township as well. Other streams, ponds and lakes in the Township include, but not limited to: Hanfrod Brook, Clove Brook, West Branch Papakating Creek and its tributaries, Papakating Creek, Clove Acres Lake, Lake Windsor, Lake Neepaulin, Herzenberg Lake, and Lake Rutherford.

According to the U.S. Census, the 2010 population for the Township of Wantage was 11,358. The estimated 2018 population was 11,902 a 4.4 percent decrease from the 2010 Census. Data from the 2018 U.S. Census American Community Survey indicate that 4.2 percent of the population is 5 years of age or younger and 18.2 percent is 65 years of age or older. Communities must deploy a support system that enables all populations to safely reach shelters or to quickly evacuate a hazard area.

### 9.25.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.24-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development. The figures at the end of this annex illustrate the geographically-delineated hazard areas and the location of potential new development.

**Table 9.25-2. Recent and Expected Future Development**

Type of Development	2015		2016		2017		2018		2019	
<b>Number of Building Permits for New Construction Issued Since the Previous HMP</b>										
	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>	<b>Total</b>	<b>Within SFHA</b>
Single and Two-Family Units	7	-	3	-	2	-	3	-	8	-
Multi-Family	0	-	1	-	60	-	0	-	0	-
Other (commercial, mixed-use, etc.)	1	-	0	-	0	-	0	-	0	-
Property or Development Name	Type of Development	# of Units / Structures		Location (address and/or block and lot)		Known Hazard Zone(s)*		Description / Status of Development		
<b>Recent Major Development and Infrastructure from 2015 to Present</b>										
Wantage Emergency Operations Center	Emergency Operations Center	1		888 Route 23 Wantage, NJ		Nuclear Incident Hazard Area		Complete		
<b>Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years</b>										
None Anticipated										

\* Only location-specific hazard zones or vulnerabilities identified.  
SFHA = Special Flood Hazard Area

### 9.25.4 Capability Assessment

Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. The Township of Wantage performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. This section summarizes the following findings of the assessment for this jurisdiction:

- An assessment of planning, legal and regulatory capabilities





- Development and permitting capabilities
- An assessment of administrative and technical capabilities
- An assessment of fiscal capabilities
- An assessment of education and outreach capabilities
- Information on NFIP compliance
- The community’s adaptive capacity for the impacts of climate change
- Classification under various community mitigation programs

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized below. The Township of Wantage identified specific integration activities that will be incorporated into municipal procedures; these actions are included in the updated mitigation strategy.

**PLANNING, LEGAL AND REGULATORY CAPABILITY**

The table below summarizes the legal and regulatory tools that are available to the Township of Wantage and where hazard mitigation has been integrated.

**Table 9.25-3. Planning, Legal and Regulatory Capability**

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Have aspects of the HMP been integrated into your codes/ordinances/plans?	
				If yes- how? Describe in comments.	If no - add Mitigation Action #, if applicable.
<b>Codes, Ordinances, &amp; Requirements</b>					
<b>Building Code</b>	Yes	State & Local	Yes	Yes	-
<i>Comment:</i>					
<ul style="list-style-type: none"> <li>• State mandated on local level under NJAC 5:23-3.14. International Building Code – New Jersey Edition, 2018, NJAC 5:24-3.14 Adopted 9/3/2019</li> <li>• The Township’s code (Chapter 8) follows State Uniform Construction Code Act (N.J.S. 52:27D-119 Et Seq.). The code includes maintenance standards that requires buildings to be kept free from hazards .</li> </ul>					
<b>Zoning Code</b>	Yes	Local	Yes – if municipality has a Planning Board	Yes	-
<i>Comment:</i>					
<ul style="list-style-type: none"> <li>• State permissive on local level. Per State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976, 40-55D-62: 49. Power to zone, requires all jurisdictions to have current zoning and other land development ordinances after the planning board has adopted the land use element and master plan.</li> <li>• This code is found in Chapter 13 of the municipal code and was adopted in 1979.</li> <li>• The general intent of the code is to establish a precise and detailed plan for the use of land in the township based on the master plan for Wantage Township and enacted in order to promote and to protect the public health, safety, morals, comfort, convenience and the general welfare. This chapter is intended to regulate the use of land within zoning districts, promote orderly development, regulate intensity of use and the location of buildings, establish standards of development, prohibit incompatible uses, regulate the alteration of existing buildings, limit congestion in the roads, protect against hazards, and conserve the taxable value of land, and generally to promote the purposes of zoning as set forth.</li> <li>• The Township has a floodplain district that prohibits filling, draining, constructing levees and bulkheads, or improving land to eliminate or reduce flooding or erosion.</li> <li>• When updating the Zoning Ordinance, the Township will recognize hazard areas as limits on changes to zoning within the municipality.</li> </ul>					
<b>Subdivisions</b>	Yes	Local – Land Use Board	Yes – if municipality has a	Yes	-





	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Have aspects of the HMP been integrated into your codes/ordinances/plans?	
				If yes- how? Describe in comments.	If no - add Mitigation Action #, if applicable.
			Planning Board		
<b>Comment:</b> <ul style="list-style-type: none"> <li>P.L.1975, c.291 (C.40:55D-47): 40:55D-37. Grant of power; referral of proposed ordinance; county planning board approval a. The governing body may by ordinance require approval of subdivision plats by resolution of the planning board as a condition for the filing of such plats with the county recording officer and approval of site plans by resolution of the planning board as a condition for the issuance of a permit for any development, except that subdivision or individual lot applications for detached one or two dwelling-unit buildings shall be exempt from such site plan review and approval; provided that the resolution of the board of adjustment shall substitute for that of the planning board whenever the board of adjustment has jurisdiction over a subdivision or site plan pursuant to subsection 63b. of this act . Dictated by the Municipal Land Use Law. NJ Statute 40:27-6.2 - the board of freeholders of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section.</li> <li>The land subdivision code (Chapter 12) provides the rules, regulations and standards to guide land subdivision in the township in order to promote the public health, safety, convenience and general welfare of the township. When reviewing subdivision applications, the Land Use Board will look for floodplains and wetlands. When submitting an application, the property owner must show flood hazard areas, steep slopes, and natural terrain features.</li> </ul>					
<b>Stormwater Management</b>	Yes	Local	Yes	Yes	-
<b>Comment:</b> <ul style="list-style-type: none"> <li>See Title 7 of the NJ Administrative Code, N.J.A.C. 7:8</li> <li>This ordinance was adopted in 3/30/06 and is found in Chapter 14a of the municipal code. The purpose of the code is to establish minimum stormwater management requirements and controls for major development.</li> </ul>					
<b>Post-Disaster Recovery</b>	No	-	No	-	-
<b>Comment:</b>					
<b>Real Estate Disclosure</b>	No	State, Division of Consumer Affairs	Yes	-	-
<b>Comment:</b> N.J.A.C. 13:45A-29.1 - Before signing a contract of sale, all purchasers must receive a New Jersey Public Offering Statement (POS) approved by the New Jersey Real Estate Commission. The POS provides information such as estimated completion dates for improvements, fees for services and amenities, the type of title and ownership interest being offered, its proximity to hospitals, schools, fire and police, as well as any hazards, risks or nuisances in or around the subdivision.					
<b>Growth Management</b>	Yes	Local	Yes – if municipality has a Planning Board	No	-
<b>Comment:</b> <ul style="list-style-type: none"> <li>State Mandated on a municipal level. See Zoning Ordinance ; Also - Plan Endorsement Process via the State Development &amp; Redevelopment Plan provides for the delineation of Growth Areas and Environs; Use of the endorsed plans in the implementation of state environmental regulations makes the Plan Endorsement process a growth management strategy.</li> <li>These ordinances were adopted in 1979 and found in Chapter 13 (Zoning) of the municipal code.</li> <li>The Governing Body is responsible for these ordinances in compliance with the Zoning Ordinance.</li> </ul>					
<b>Site Plan Review</b>	Yes	Local – Land Use Board	Yes – if municipality has a Planning Board	Yes	-
<b>Comment:</b> <ul style="list-style-type: none"> <li>Dictated by the Municipal Land Use Law which sets forth minimum requirements for plans, etc., timeframes for development review. NJ Statute 40:27-6.2: The board of freeholders of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section. 40:27-6.10 In order that county planning boards shall have a complete file of the planning and zoning ordinances of all municipalities in the county, each municipal clerk shall file with the county planning board a copy of the planning and zoning ordinances of the municipality in effect on the effective date of this act and shall notify the county planning board of the introduction of any revision or amendment of such an ordinance which affects lands adjoining county roads or other county lands, or lands lying within 200 feet of a municipal boundary, or proposed facilities or public lands shown on the county master plan or official county map. Such notice shall be given to the county planning board at least 10 days prior to the public hearing thereon by personal delivery or by certified mail of a copy of the official notice of the public hearing together with a copy of the proposed ordinance.</li> </ul>					



	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Have aspects of the HMP been integrated into your codes/ordinances/plans?	
				If yes- how? Describe in comments.	If no - add Mitigation Action #, if applicable.
<ul style="list-style-type: none"> <li>In the Township, site plan review and approval is required before any change of use, or before any excavation, removal of soil, clearing of a site or placing of any fill on lands contemplated for development, and, except as hereinafter provided, no building permit shall be issued for any building or use, or reduction or enlargement in size or other alteration of any building or change in use of any building including accessory structures unless a site plan is first submitted and approved by the reviewing board and no certificate of occupancy shall be given unless all construction and development conform to the plans as approved by the reviewing board.</li> <li>The Land Use Board is responsible for these requirements.</li> </ul>					
<b>Environmental Protection</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Flood Damage Prevention</b>	Yes	Federal, State & Local	Yes	Yes	2021- Wantage-004
<i>Comment:</i> <ul style="list-style-type: none"> <li>The NJ State Law Flood Area Control Act (N.J.S.A. 58:16A-52) and the National Flood Control Act of 1968 (NFIP) are state and federal acts to support minimization of flood losses. They do not require local adoption but as enforced by the NJDEP, the floodplain ordinances of each municipality must be reviewed for compliance with these regulations. In addition, participation in the NFIP requires a floodplain ordinance. Regulations for the Flood Control Hazards Act were adopted in 2007 and amended effective June 20, 2016.</li> <li>The Township Engineer is responsible for this ordinance in compliance with Chapter 18- Flood Damage Prevention. The code requires a development permit before any construction or development begins, including placement of manufactured homes, within any area of special flood hazard. Any new construction or substantial improvements in the SFHA must have their lowest floor elevated to or above the BFE. For non-residential construction, they can either elevate to the BFE or floodproof areas below the BFE.</li> <li>The Township's current flood damage prevention ordinance was last adopted in 2011. It currently does not have a freeboard requirement and does not meeting New Jersey's minimum requirement.</li> </ul>					
<b>Wellhead Protection</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Emergency Management</b>	Yes	Local	No	No	-
<i>Comment:</i> <ul style="list-style-type: none"> <li>Adopted February 7<sup>th</sup>, 2019- Local Plan</li> </ul>					
<b>Climate Change</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Disaster Recovery Ordinance</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Disaster Reconstruction Ordinance</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Other:</b>	No	-	-	-	-
<i>Comment:</i>					
<b>Planning Documents</b>					
<b>Comprehensive / Master Plan</b>	Yes	Local	Yes	No	-
<i>Comment:</i> <ul style="list-style-type: none"> <li>2018 Revised NJ Statute 40:27-2; the county planning board shall make and adopt a master plan for the physical development of the county. The master plan of a county, with the accompanying maps, plats, charts, and descriptive and explanatory matter, shall show the county planning board's recommendations for the development of the territory covered by the plan, and may include, among other things, the general location, character, and extent of streets or roads, viaducts, bridges, waterway and waterfront developments, parkways, playgrounds, forests, reservations, parks, airports, and other public ways, grounds, places and spaces; the general location and extent of forests, agricultural areas, and open-development areas for purposes of conservation, food and water supply, sanitary and drainage facilities, or the protection of urban development, and such other features as may be important to the development of the county. The county planning board shall encourage the co-operation of the local municipalities within the county in any matters whatsoever which may concern the integrity of the county master plan and to advise the board of chosen freeholders with respect to the formulation of development programs and budgets for capital expenditures. Per State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976 40:55D-28 provides the required</li> </ul>					





	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Have aspects of the HMP been integrated into your codes/ordinances/plans?	
				If yes- how? Describe in comments.	If no - add Mitigation Action #, if applicable.
<p>components of a municipal Master Plan and requires that each municipality prepare a master plan and update it every 6 years. Further, all zoning ordinances must be consistent with the Master Plan or will not be benefitted from a presumption of validity.</p> <ul style="list-style-type: none"> <li>The Master Plan Reexamination Report for Wantage Township was adopted on October 24, 2009.</li> </ul>					
<b>Capital Improvement Plan</b>	Yes	Local	No	Yes	-
<p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>The 2020 budget included the 6-year capital program (2020 to 2025) for the Township. It included line items for capital improvement funds, improvements to roads, purchase of emergency equipment, improvements to parks, and drainage improvements.</li> </ul>					
<b>Disaster Debris Management Plan</b>	In progress	Local	No	-	2021-Wantage-005
<p><b>Comment:</b></p>					
<b>Floodplain or Watershed Plan</b>	Yes	Local	No	Yes	-
<p><b>Comment:</b> The Governing Body is responsible for this plan, which was adopted on 9/8/11, in compliance with Ordinance 2011-08.</p>					
<b>Stormwater Management Plan</b>	Yes	Local	Yes	Yes	-
<p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>The Stormwater Management rules (N.J.A.C. 7:8) rules were published in the February 2, 2004 NJ Register. These rules set forth the required components of regional and municipal stormwater management plans and establish the stormwater management design and performance standards for new (proposed) development. The design and performance standards for new development include groundwater recharge, runoff quantity controls, and runoff quality controls. The rules emphasize, as a primary consideration, the use of nonstructural stormwater management techniques including minimizing disturbance, minimizing impervious surfaces, minimizing the use of stormwater pipes, preserving natural drainage features, etc. The rules also set forth requirements for groundwater recharge, stormwater runoff quantity control, stormwater runoff quality control, and the prohibition of major development to be located within or to discharge runoff from the major development into a 300-foot riparian zone without prior authorization from the Department under the Flood Hazard Area Control Act Rules, N.J.A.C. 7:13.</li> <li>This plan was adopted on 3/8/05.</li> <li>The Governing Body is responsible for this plan in compliance with Stormwater Management Plan.</li> </ul>					
<b>Stormwater Pollution Prevention Plan</b>	Yes	Local	Yes	Yes	-
<p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>The Phase II New Jersey Pollutant Discharge Elimination System Stormwater Regulation Program (NJPDES) rules (N.J.A.C. 7:14A) were published in the February 2, 2004, NJ Register. These NJPDES rules are intended to address and reduce pollutants associated with existing stormwater runoff. The NJPDES rules establish a regulatory program for existing stormwater discharges as required under the Federal Clean Water Act. These NJPDES rules govern the issuance of permits to entities that own or operate small municipal separate storm sewer systems, known as MS4s. Under this program, permits must be secured by municipalities, certain public complexes such as universities and hospitals, and State, interstate and federal agencies that operate or maintain highways. The permit program establishes the Statewide Basic Requirements that must be implemented to reduce nonpoint source pollutant loads from these sources. The Statewide Basic Requirements include measures such as: the adoption of ordinances (litter control, pet waste, wildlife feeding, proper waste disposal, etc.); the development of a municipal stormwater management plan and implementing ordinance(s); requiring certain maintenance activities (such as street sweeping and catch basin cleaning); implementing solids and floatables control; locating discharge points and stenciling catch basins; and a public education component.</li> </ul>					
<b>Urban Water Management Plan</b>	No	-	No	-	-
<p><b>Comment:</b></p>					
<b>Habitat Conservation Plan</b>	No	-	No	-	-
<p><b>Comment:</b></p>					
<b>Economic Development Plan</b>	No	-	No	-	-
<p><b>Comment:</b></p>					
<b>Shoreline Management Plan</b>	No	-	Yes – if located in a coastal zone	-	-
<p><b>Comment:</b></p> <ul style="list-style-type: none"> <li>NJ Coastal Area Facility Review Act (N.J.S.A. 13:19) or CAFRA regulates almost all development along the coast for activities including construction, relocation, and enlargement of buildings or structures, and excavation, grading, shore protection structures, and site preparation. This law is implemented through NJ's Coastal Zone management Rules N.J.A.C. 7:7E-1 et seq.</li> </ul>					





	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	Is this State Mandated?	Have aspects of the HMP been integrated into your codes/ordinances/plans?	
				If yes- how? Describe in comments.	If no - add Mitigation Action #, if applicable.
<b>Community Wildfire Protection Plan</b>	No-NJFFS	-	No	-	-
<i>Comment:</i>					
<b>Community Forest Management Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Transportation Plan</b>	Yes	Local	No	No	-
<i>Comment: The Land Use Board is responsible for this plan, which was adopted in 2014, in compliance with the Master Plan.</i>					
<b>Agriculture Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Climate Action Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Tourism Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Business Development Plan</b>	Yes-Committee (MP)	Local	No	No	-
<i>Comment:</i>					
<b>Other: Open Space Plan</b>	Yes	Local	No	Yes	-
<i>Comment:</i>					
<ul style="list-style-type: none"> <li>This plan was adopted in March of 2008.</li> <li>The Governing Body is responsible for this plan in compliance with the Open Space Plan.</li> </ul>					
<b>Response/Recovery Planning</b>					
<b>Comprehensive Emergency Management Plan (CEMP) / Emergency Operations Plan (EOP)</b>	Yes	Local	Yes	Yes	-
<i>Comment:</i>					
<ul style="list-style-type: none"> <li>Each county and municipality in the State shall prepare a written Emergency Operations Plan with all appropriate annexes necessary to implement the plan. Each Emergency Operations Plan shall be adopted no later than one year after the State Emergency Planning Guidelines have been adopted by the State Office of Emergency Management and shall be evaluated at such subsequent scheduled review of the State Emergency Operations Plan. L.1989, c.222, s.19.</li> <li>This plan was rewritten and adopted in 2019.</li> <li>The Office of Emergency Management is responsible for this plan in compliance with the Emergency Management Plan.</li> </ul>					
<b>Threat &amp; Hazard Identification &amp; Risk Assessment (THIRA)</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Post-Disaster Recovery Plan</b>	Yes	Local	No	Yes	-
<i>Comment: The Office of Emergency Management is responsible for this plan, which was adopted in 2014, in compliance with the Emergency Management Plan.</i>					
<b>Continuity of Operations Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Public Health Plan</b>	No	-	No	-	-
<i>Comment:</i>					
<b>Other</b>	No	-	No	-	-
<i>Comment:</i>					



**Table 9.25-4. Development and Permitting Capability**

Criterion	Response
Does your jurisdiction issue development permits? - If no, who does? If yes, which department?	Yes, Building Department
Does your jurisdiction have the ability to track permits by hazard area?	Yes
Does your jurisdiction have a buildable lands inventory? -If yes, please describe briefly. -If no, please quantitatively describe the level of buildout in the jurisdiction.	No- lots of undeveloped. But no large scale development, limited by location. No one putting into large scale.

**ADMINISTRATIVE AND TECHNICAL CAPABILITY**

The table below summarizes potential staff and personnel resources available to the Township of Wantage.

**Table 9.25-5. Administrative and Technical Capabilities**

Staff/Personnel Resource	Available?	Department/Agency/Position
<b>Administrative Capability</b>		
Planning Board	Yes	The Township’s Land Use Board considers the impact on the community when development of land is proposed. The board will make recommendations to stay in compliance with the existing township ordinances.
Mitigation Planning Committee	No	-
Environmental Board / Commission	Yes	Wantage Township Clean Communities Program
Open Space Board / Committee	Yes	The Township has an Open Space Committee that is made up of six committee members.
Economic Development Commission / Committee	No	Currently inactive
Warning Systems / Services (mass notification system, outdoor warning signals)	Yes	The Township utilizes their website to post news and announcements. The Township also uses Facebook to post weather alerts and news. Wantage Township OEM also uses Facebook to post weather alert and emergency notifications. The Township also has an electronic message board outside of municipal hall. Through County OEM, residents can use Swift911 to sign up for emergency alerts.
Maintenance program to reduce risk	No	-
Mutual aid agreements	Yes	Public Safety
<b>Technical/Staffing Capability</b>		
Planners or engineers with knowledge of land development and land management practices	Yes	Land Use Board
Engineers or professionals trained in building or infrastructure construction practices	Yes	Land Use Board
Planners or engineers with an understanding of natural hazards	Yes	Land Use Board
Staff with training in benefit/cost analysis	Yes	Finance
Staff with training in green infrastructure	Yes	Harold Pellow
Staff with education/knowledge/training in low impact development	Yes	Harold Pellow
Surveyor	No	-
Stormwater engineer	Yes	Contract- Pellow and Associates
Personnel skilled or trained in GIS applications	No	-
Local or state water quality professional	Yes	County





Staff/Personnel Resource	Available?	Department/Agency/Position
Scientist familiar with natural hazards in local area	No	-
Emergency manager	Yes	Emergency Management
Watershed planner	Yes	Contract- Pellow and Associates
Environmental specialist	Yes	Harold Pellow (wetlands)
Grant writers	No	-
Resilience Officer	No	-
Other: NFIP Floodplain Administrator	Yes	Township Engineer
Other: Professionals trained in conducting damage assessments	Yes	Administration

**FISCAL CAPABILITY**

The table below summarizes financial resources available to the Township of Wantage.

**Table 9.25-6. Fiscal Capabilities**

Financial Resource	Accessible or Eligible to Use?
Community Development Block Grants (CDBG, CDBG-DR)	Yes Administrator
Capital Improvements Project Funding	Yes, Engineer, CFO
Authority to Levy Taxes for Specific Purposes	No
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	Yes, Governing Body
Incur Debt through Special Tax Bonds	Yes, Governing Body
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	No
State-Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Clean Water Act 319 Grants (Nonpoint Source Pollution)	No
Other: Open Space Acquisition Funding Programs	Yes, Governing Body

**EDUCATION AND OUTREACH CAPABILITY**

The table below summarizes the education and outreach resources available to the Township of Wantage.

**Table 9.25-7. Education and Outreach Capabilities**

Criterion	Response
Do you have a public information officer or communications office?	Yes
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? -If yes, briefly describe.	No
Do you use social media for hazard mitigation education and outreach? -If yes, briefly describe.	Yes – both the Township and the Township OEM use Facebook to provide weather updates and emergency alerts.
Do you have any citizen boards or commissions that address issues related to hazard mitigation? -If yes, briefly describe.	No
Do you have any other programs already in place that could be used to communicate hazard-related information? If yes, briefly describe.	No





**COMMUNITY CLASSIFICATIONS**

The table below summarizes the classifications for community programs available to the Township of Wantage.

**Table 9.25-8. Community Classifications**

Program	Participating?	Classification	Date Classified
Community Rating System	No	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	No	-	-
Public Protection (Fire ISO Protection Class)	No	-	-
Storm Ready Certification	No	-	-
Firewise Community Classification	No	-	-
Sustainable Jersey	Yes	Not certified	Joined program on 11/11/2010

**ADAPTIVE CAPACITY**

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words, it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

**Table 9.25-9. Adaptive Capacity**

Hazard	Adaptive Capacity (Capabilities) - Strong/Moderate/Weak
Dam Failure	Weak
Disease Outbreak	Weak
Drought	Moderate
Earthquake	Moderate
Flood	Weak
Geologic	Weak
Hazardous Materials	Moderate
Hurricane and Tropical Storm	Moderate
Invasive Species	Strong
Nor’Easter	Strong
Severe Weather	Strong
Severe Winter Weather	Strong
Wildfire	Strong

Notes:  
 Strong = Capacity exists and is in use; Moderate = Capacity may exist, but is not used or could use some improvement;  
 Weak = Capacity does not exist or could use substantial improvement; Unsure = Not enough information is known to assign a rating.

**NATIONAL FLOOD INSURANCE PROGRAM**

This section provides specific information on the management and regulation of the regulatory floodplain.





**Table 9.25-10. National Flood Insurance Program Compliance**

Criterion	Response
What local department is responsible for floodplain management?	Engineer
Who is your floodplain administrator? (name, department/position)	Harold Pellow, Engineer
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date that your flood damage prevention ordinance was last amended?	2011
Does your floodplain management program meet or exceed minimum requirements? -If exceeds, in what ways?	The program meets minimum requirements set by FEMA and the State. §18-5.2 of the municipal code lists specific standards for residential and non-residential construction. For residential, new construction or substantial improvements in the SFHA must have the lowest floor elevated at or above the BFE. Non-residential construction (new or substantial improvements) must be elevated to the BFE or be floodproofed.
When was the most recent Community Assistance Visit or Community Assistance Contact?	December 14, 1993
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? -If so, state what they are.	No
Are any RiskMAP projects currently underway in your jurisdiction? If so, state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? -If no, state why.	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? - If so, what type of assistance/training is needed?	The FPA would consider attending continuing education and/or certification trainings on floodplain management if it were offered in the County.
Does your jurisdiction participate in the Community Rating System (CRS)? -If yes, is your jurisdiction interested in improving its CRS Classification? -If no, is your jurisdiction interested in joining the CRS program?	No
How many flood insurance policies are in force in your jurisdiction?*	14 policies
-What is the insurance in force? -What is the premium in force?	
How many total loss claims have been filed in your jurisdiction?*	10 claims
-How many claims are still open or were closed without payment? -What were the total payments for losses?	\$180,963 in payments
Do you maintain a list of properties that have been damaged by flooding?	No, but if there were flood damages, the community would maintain lists/inventories.
Do you maintain a list of property owners interested in flood mitigation?	No

\*According to FEMA statistics as of October 13, 2020  
Reference: FEMA 2020

**ADDITIONAL AREAS OF EXISTING INTEGRATION**

- The Township conducts all-hazards public education and outreach program for their residents. This is done through their website and Facebook page.





- Through site plan reviews and Develop specific design guidelines and development review procedures for new construction, replacement, relocation and substantial improvement in hazard areas within the Township.
- The Township will incorporate the 2021 HMP risk assessment and hazard mitigation principles into comprehensive planning efforts and day-to-day operations of the Township.

**OPPORTUNITIES FOR FUTURE INTEGRATION**

- **Firewise Program:** The Township will follow the proper steps in applying for and becoming a Firewise community. This includes forming a board/committee, obtaining a wildfire risk assessment, developing an action plan, and hosting outreach events and programs. The application will be completed online (2021-Wantage-003).
- **Flood Damage Prevention Ordinance Update:** The Township will update its flood damage prevention ordinance to meet the New Jersey requirement of one foot of freeboard (2021-Wantage-004).
- **Disaster Debris Management Plan:** The Township will develop a debris management plan that will assist the municipality when they need to facilitate response and recovery after a debris-causing incident. The plan will provide direction to facilitate and coordinate the management of debris following a disaster (2021-Wantage-005).

**9.25.5 Hazard Event History Specific to the Jurisdiction**

Sussex County has a history of hazard events, as detailed in Section 4 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles in Section 4.3 (Hazards of Concern) and includes a chronology of events that affected Sussex County and its jurisdictions. The Township of Wantage’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Sussex County. Table 9.24-11 provides details regarding municipal-specific loss and damages the jurisdiction experienced during hazard events. Information provided in the table below is based on reference material or local sources.

**Table 9.25-11. Hazard Event History**

Date(s) of Event	Event Type (disaster declaration if applicable)	Sussex County Designated?	Summary of Event	Summary of Local Damages and Losses
January 22, 2016 - January 24, 2016	DR-4264: Severe Winter Storm and Snowstorm	Yes	A major nor'easter, produced record snowfall and blizzard conditions in parts of New Jersey on January 23 <sup>rd</sup> and 24 <sup>th</sup> .	Road closure; trees down
January 20, 2020 and continuing	EM-3451, DR-4488: COVID-19 Pandemic	Yes	The coronavirus pandemic resulted in the need for shutdowns and social distancing and mask requirements.	Tax revenue, permits PPE supplies
August 4, 2020	Tropical Storm Isaias (declaration number pending)	Yes	Tropical Storm Isaias brought heavy rain to western New Jersey. Rainfall totals were as high as 3 to 5.5 inches. Observations from surrounding areas suggest sustained tropical storm force winds likely occurred.	Power loss /down. FEMA application still in process. (Under \$123,000- probably \$35K). Time for tree clearance, road closures, power outages. Power out for 2-3 days. Ran generators at town and firehouses. Vehicles

Source: FEMA 2020, NOAA NCEI 2020





### 9.25.6 Jurisdiction-Specific Vulnerabilities and Hazard Ranking

The hazard profiles in Section 4 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Refer to Section 4.2 (Methodology and Tools) and Section 4.4 (Hazard Ranking) for a detailed summary for the Township of Wantage risk assessment results and data used to determine the hazard ranking discussed later in this section.

#### HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Township of Wantage that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Township of Wantage has significant exposure.

#### REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Township of Wantage.

- Number of repetitive loss (RL) properties: 0
- Number of severe repetitive loss (SRL) properties: 0
- Number of RL/SRL properties that have been mitigated: 0

Source: FEMA 2019

Note: The number of SRL properties excludes RL properties.

#### CRITICAL FACILITIES AND LIFELINES

The table below identifies critical facilities and lifelines in the community located in the 1-percent and 0.2-percent floodplain.

Table 9.25-12. Critical Facilities and Lifelines Flood Exposure

Name	Type	Exposure	
		1% Event	0.2% Event
22-166 Herzenberg Dam	Dam	X	X

Source: Sussex County Planning Partnership 2020

Note: \*Identified lifeline

#### IDENTIFIED ISSUES AND PROBLEM AREAS

The jurisdiction has identified the community surrounding Lake Neepaulin as an area with frequently downed trees due to severe storms.

#### HAZARD RANKING

This section summarizes the jurisdiction’s primary hazards of concern based on identified problems, impacts and the results of the risk assessment as presented in Section 4 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; its potential impacts on people, property, and the economy; community capability and changing future climate conditions. This input supports the development of mitigation actions, targeting those hazards with the highest level of concern.

As discussed in Section 4.4 (Hazard Ranking), each plan participant may have differing degrees of risk exposure and vulnerability compared to Sussex County as a whole. Therefore, the Township of Wantage ranked each





hazard’s degree of risk as it pertains to their community factoring in their capabilities to withstand impacts and rebound after the event. The table below summarizes the hazard rankings of potential hazards for the Township of Wantage. The Township of Wantage has reviewed the Sussex County hazard ranking table and has provided input to its individual results to reflect the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Township of Wantage indicated the following reasons why hazard rankings have changed since the 2016 HMP:

- The climate has increased the risk for wildfires in the Township since 2016.

**Table 9.25-13. Township of Wantage Hazard Ranking**

Dam Failure	Disease Outbreak	Drought	Earthquake	Flood	Geologic
Low	Low	Medium	Medium	Low	Low

Hazardous Materials	Hurricane and Tropical Storm	Invasive Species	Nor’Easter	Severe Weather	Severe Winter Weather	Wildfire
Medium	Medium	High	High	High	High	Medium

### 9.25.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and provides action prioritization.

#### PAST MITIGATION INITIATIVE STATUS

The following table summarizes the jurisdiction’s progress on their mitigation strategy identified in the 2016 HMP. Actions that are carried forward as part of this plan update are included in Table 9.24-15 and Table 9.24-16 with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and can also be found under ‘Capability Assessment’ presented previously in this annex.

**Table 9.25-14. Status of Previous HMP Mitigation Actions**

2016 Action Number	Action Description	Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2021 HMP Update?	
				Check if Yes	Enter 2021 HMP Action #
Wantage-1 (new)	Ensure continuity of operations through back up power at critical facilities: purchase and install generators.	Township OEM	Completed (2 fire companies) using a FEMA mitigation grant (\$50,000).	-	-
Wantage-2 (old #2)	Implement Fire Wise Program throughout the Township.	Township OEM	No Progress	X	2021-Wantage-003
Wantage-3 (old #3)	Conduct all-hazards public education and outreach program for hazard mitigation and preparedness. Place an article in the Municipal newsletter and update the municipal website linking to the County HMP page	Township OEM with support from County OEM	Ongoing Capability	-	-
Wantage-4 (new)	Develop specific design guidelines and development	Township Administrator	Ongoing capability	-	-





2016 Action Number	Action Description	Responsible Party	Status (In Progress, No Progress, Ongoing Capability, or Completed)	Include in the 2021 HMP Update?	
				Check if Yes	Enter 2021 HMP Action #
	review procedures for new construction, replacement, relocation and substantial improvement in hazard areas within the Township.				
Wantage-5 (new)	When updating the Zoning Ordinance, the Township will recognize hazard areas as limits on changes to zoning within the municipality.	Township Administrator	Ongoing Capability	-	-
Wantage-6 (new)	Review the county HMP during the next update of the Township Master Plan.	Township Administrator	Ongoing Capability	-	-
Wantage-7 (new)	Incorporate risk assessment and hazard mitigation principles into comprehensive planning efforts and day-to-day operations of the Township.	Township Administrator	Ongoing Capability	-	-

**PROPOSED HAZARD MITIGATION INITIATIVES FOR THE PLAN UPDATE**

The Township of Wantage participated in a risk assessment workshop in October 2020 in which detailed information was provided about assets exposed and vulnerable to the identified hazards of concern. The Township of Wantage participated in a mitigation action workshop in November 2020 and was provided a Mitigation Toolbox that included a mitigation catalog developed specifically for Sussex County and its hazards of concerns; challenges and opportunities identified during the capability and risk assessments; mitigation funding sources, and the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 *Selecting Appropriate Mitigation Measures for Floodprone Structures* (March 2007) and FEMA *Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards* (January 2013). Section 6 (Mitigation Strategy) and Appendix F (Mitigation Strategy Supplement) provide a more complete description of the Mitigation Toolbox and its resources.

Table 9.24-15 summarizes the comprehensive-range of specific mitigation initiatives the Township of Wantage would like to pursue in the future to reduce the effects of hazards. Initiatives are dependent upon available funding (grants and local match availability) and can be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as *High, Medium, or Low*. The table below summarizes the evaluation of each mitigation initiative, listed by action number.

Table 9.24-16 provides a summary of the prioritization of all proposed mitigation initiatives for this HMP update.





Table 9.25-15. Proposed Hazard Mitigation Initiatives

Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
2021-Wantage-001	Backup Generator at Municipal Hall	<p><b>Problem:</b> The Wantage Township Town Hall is located at 888 State Highway 23. It serves as the town hall, EMS, and EOC. The existing generator is in need of replacement as it is reaching its life expectancy. Without a functioning generator, the town hall will not be able to function or operate during emergency situations.</p> <p><b>Solution:</b> Working with the Township Engineer, identify the proper size generator for the town hall. Once identified, purchase and install a permanent generator.</p>	Existing	All	2, 3, 6	Township Administration, OEM	FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Township Budget	Continuity of operations to critical facilities and lifelines	\$125,000	Within 2 years	High	SIP	PP, ES
2021-Wantage-002	PPE Stockpile	<p><b>Problem:</b> During the current COVID-19 pandemic, the Township did not have an adequate supply of personal protective equipment (PPE) for municipal staff. Without proper PPE, it puts municipal staff and residents at risk to the spread of infectious diseases.</p> <p><b>Solution:</b> The Township will purchase PPE to create a stockpile for municipal staff. This will include gloves, masks, gowns, antibacterial handwash, antiviral cleaning solutions, sanitizers, and misters.</p>	N/A	Disease Outbreak	1, 2, 3, 6	Township OEM	BRIC, NJDCA, Township Budget, FEMA Assistance to Firefighters Grant	Increase protection from diseases; decrease risk of spread	\$50,000	Within 2 years	High	LPR	PR, ES





Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
2021-Wantage-003	Firewise Program	<p><b>Problem:</b> The national Firewise USA® recognition program provides a collaborative framework to help neighbors in a geographic area get organized, find direction, and take action to increase the ignition resistance of their homes and community and to reduce wildfire risks at the local level. The Township is currently not part of the Firewise program.</p> <p><b>Solution:</b> The Township will follow the proper steps in applying for and becoming a Firewise community. This includes forming a board/committee, obtaining a wildfire risk assessment, developing an action plan, and hosting outreach events and programs. The application will be completed online.</p>	Both	Wildfire	1, 2, 3, 4, 5	Township OEM and Fire Department	Township Budget, Staff Time	Helps Township identify wildfire safety efforts; access to funding and assistance	\$10,000+	Within 5 years	Medium	LPR, EAP	PI, ES
2021-Wantage-004	Update Flood Damage Prevention Ordinance	<p><b>Problem:</b> The Township's current flood damage prevention ordinance was last adopted in 2011. It currently does not have a freeboard requirement and does not meeting New Jersey's minimum requirement.</p> <p><b>Solution:</b> The Township will update its flood damage prevention ordinance to meet the</p>	New and Existing	Flood	1, 2	Township Administration, Engineer	Township budget, FEMA BRIC	Meet state standards, reduce future flood risk	Staff time	6 months	High	LPR	PR





Initiative Number	Mitigation Initiative Name	Description of the Problem and Solution	New or Existing Assets?	Hazard(s) to be Mitigated	Goals Met	Lead and Support Agencies	Potential Funding Sources	Estimated Benefits	Estimated Cost	Timeline	Priority	Mitigation Category	CRS Category
		New Jersey requirement of one foot of freeboard.											
2021-Wantage-005	Develop Debris Management Plan	<p><b>Problem:</b> The Township currently does not have an adopted debris management plan. Without a plan in place, there are no identified resources in place to properly address debris and do not have identified locations for debris storage.</p> <p><b>Solution:</b> The Township will develop a debris management plan that will assist the municipality when they need to facilitate response and recovery after a debris-causing incident. The plan will provide direction to facilitate and coordinate the management of debris following a disaster.</p>	Existing	All hazards	3, 5, 6	OEM, Public Works	Township budget	Increased disaster capability and preparedness	Staff time	1 year	High	LPR	ES

Notes:

Acronyms and Abbreviations:

- CAV Community Assistance Visit
- CRS Community Rating System
- DPW Department of Public Works
- FEMA Federal Emergency Management Agency
- FPA Floodplain Administrator
- HMA Hazard Mitigation Assistance
- N/A Not applicable
- NFIP National Flood Insurance Program
- OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

- FMA Flood Mitigation Assistance Grant Program
- HMGP Hazard Mitigation Grant Program
- BRIC Building Resilient Infrastructure and Communities

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.





- *Natural Systems Protection (NSP) – These are actions that minimize damage and losses and preserve or restore the functions of natural systems.*
- *Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.*

*CRS Category:*

- *Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.*
- *Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.*
- *Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.*
- *Natural Resource Protection (NR) - Actions that minimize hazard loss and preserve or restore the functions of natural systems. Actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.*
- *Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.*
- *Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.*

DRAFT

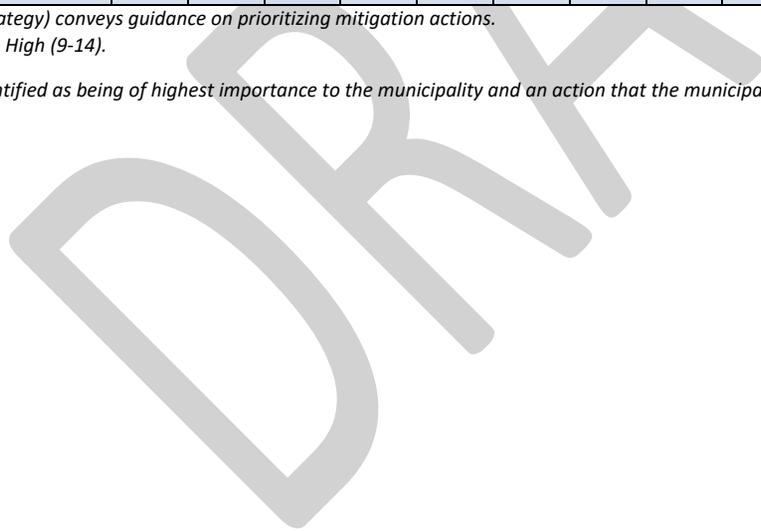


Table 9.25-16. Summary of Evaluation and Action Priorities

Initiative Number	Mitigation Initiative Name	Life Safety	Property Protection	Cost Effectiveness	Technical	Political	Legal	Fiscal	Environmental	Social	Administrative	Multi-Hazard	Timeline	Agency Champion	Other Community Objectives	Total	High / Medium / Low
2021-Wantage-001	Backup Generator at Municipal Hall	1	1	1	1	1	1	0	0	0	1	1	1	1	0	10	High ⚠
2021-Wantage-002	PPE Stockpile	1	0	1	1	1	1	0	0	1	1	0	1	1	1	10	High
2021-Wantage-003	Firewise Program	1	1	1	1	1	0	1	0	0	1	0	1	0	0	8	Medium
2021-Wantage-004	Update Flood Damage Prevention Ordinance	1	1	1	1	1	1	1	0	0	1	0	1	0	0	9	High
2021-Wantage-005	Develop Debris Management Plan	1	1	1	1	1	1	0	0	0	1	1	1	1	0	10	High

Notes: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).

⚠ This action has been identified as being of highest importance to the municipality and an action that the municipality would like to complete as soon as funding is received.





**Table 9.25-17. Analysis of Mitigation Actions by Hazard and Category**

Hazard	Prevention	Property Protection	Public Education and Awareness	Natural Resource Protection	Emergency Services	Structural Projects	Climate Resilient	Community Capacity Building
Dam Failure		X			X	X		X
Disease Outbreak	X	X	X		X	X		X
Drought		X			X	X		X
Earthquake		X			X	X		X
Flood	X	X			X	X	X	X
Geologic		X			X	X		X
Hazardous Materials		X			X	X		X
Hurricane and Tropical Storm		X			X	X		X
Invasive Species		X			X	X		X
Nor'Easter		X			X	X		X
Severe Weather		X			X	X		X
Severe Winter Weather		X			X	X		X
Wildfire		X	X		X	X		X

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.  
 high ranked hazard

ORANGE medium ranked hazard

YELLOW low ranked hazard

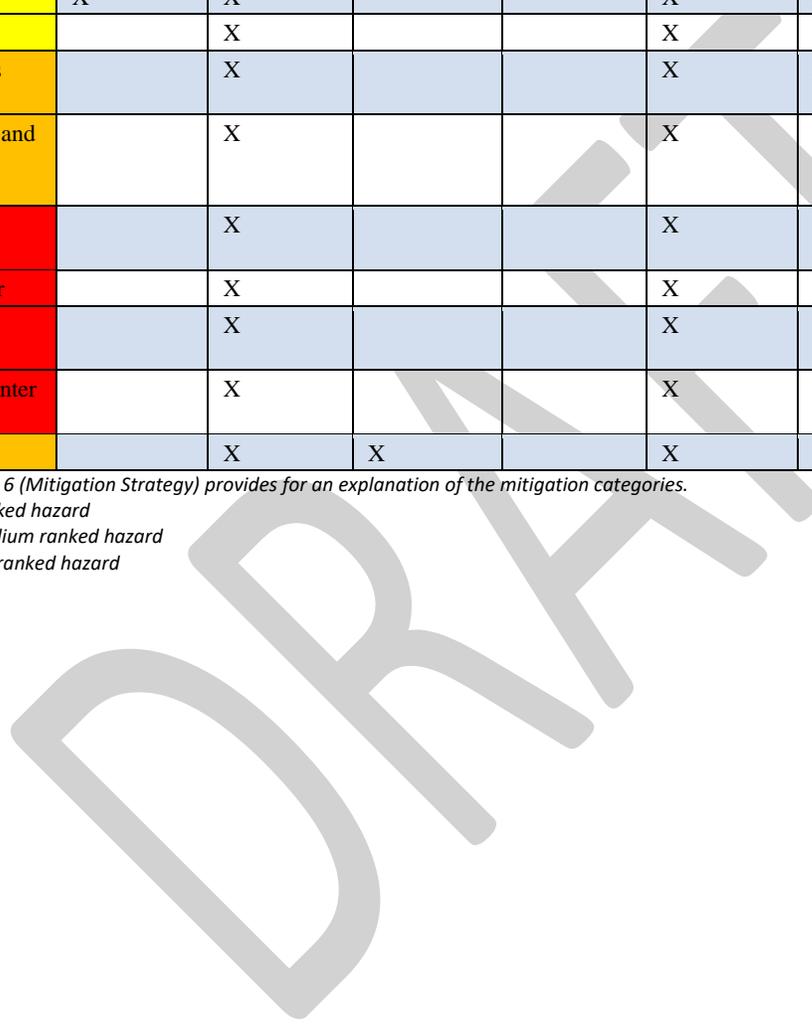




Figure 9.25-1. Township of Wantage Hazard Area Extent and Location Map 1

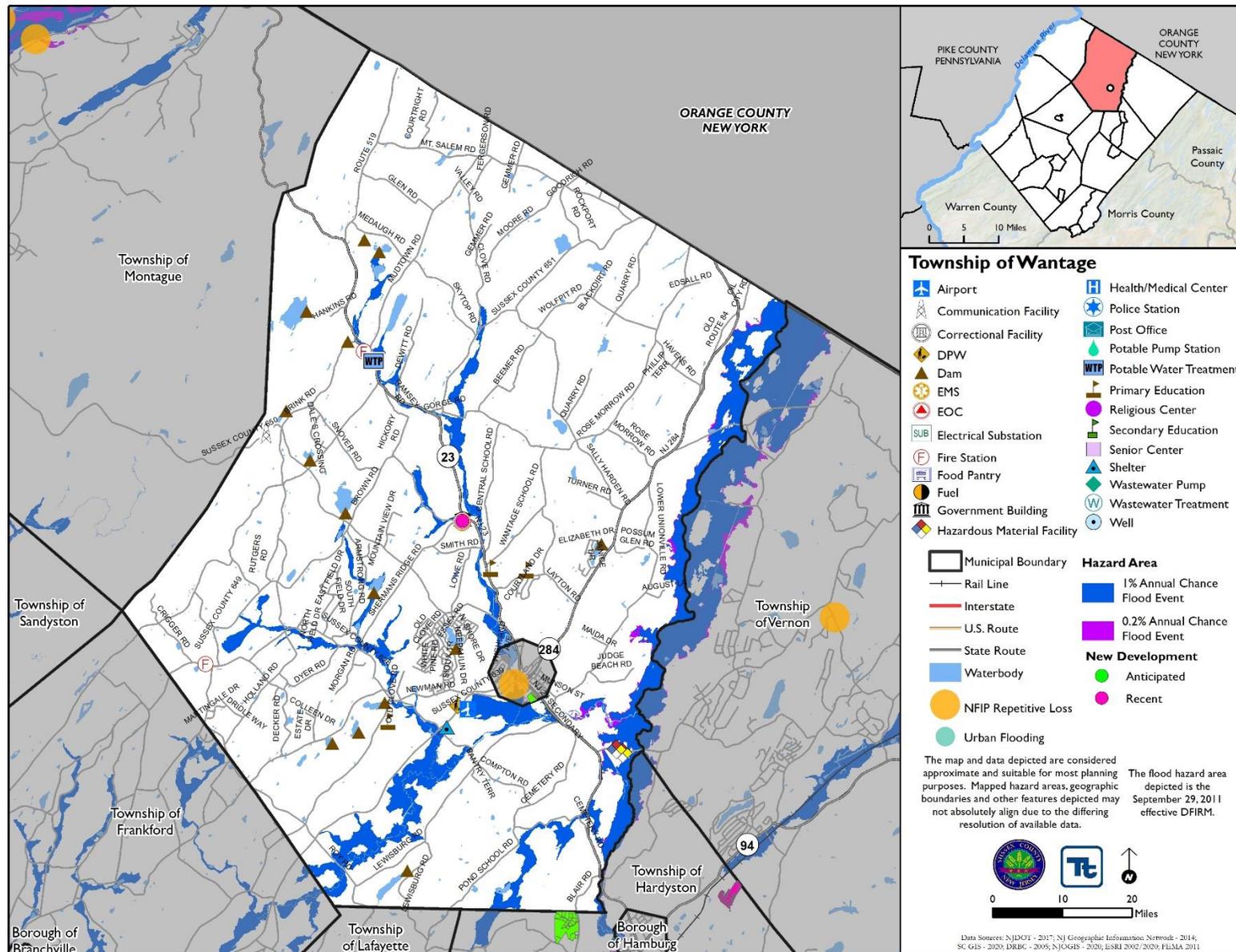




Figure 9.25-2. Township of Wantage Hazard Area Extent and Location Map 2

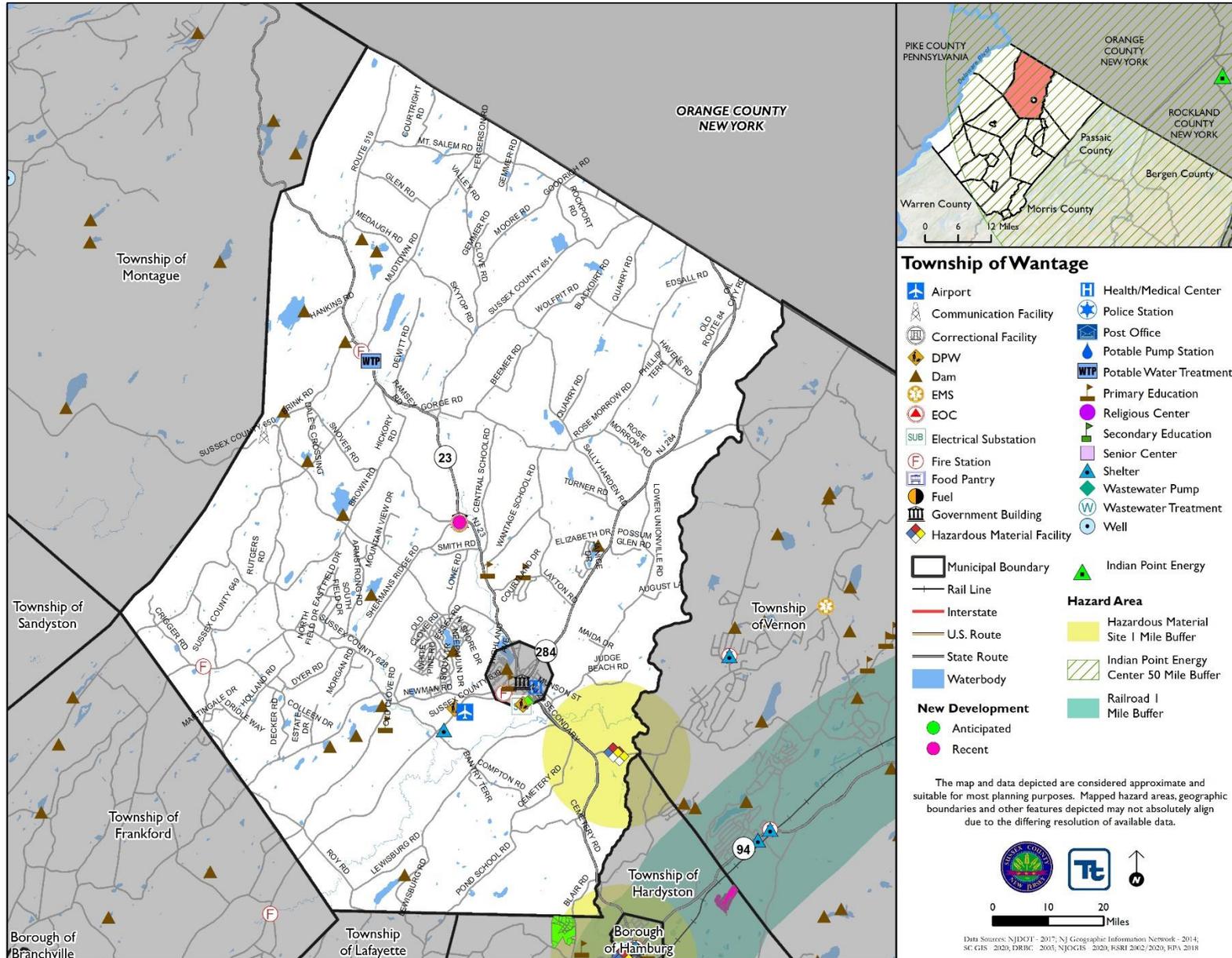
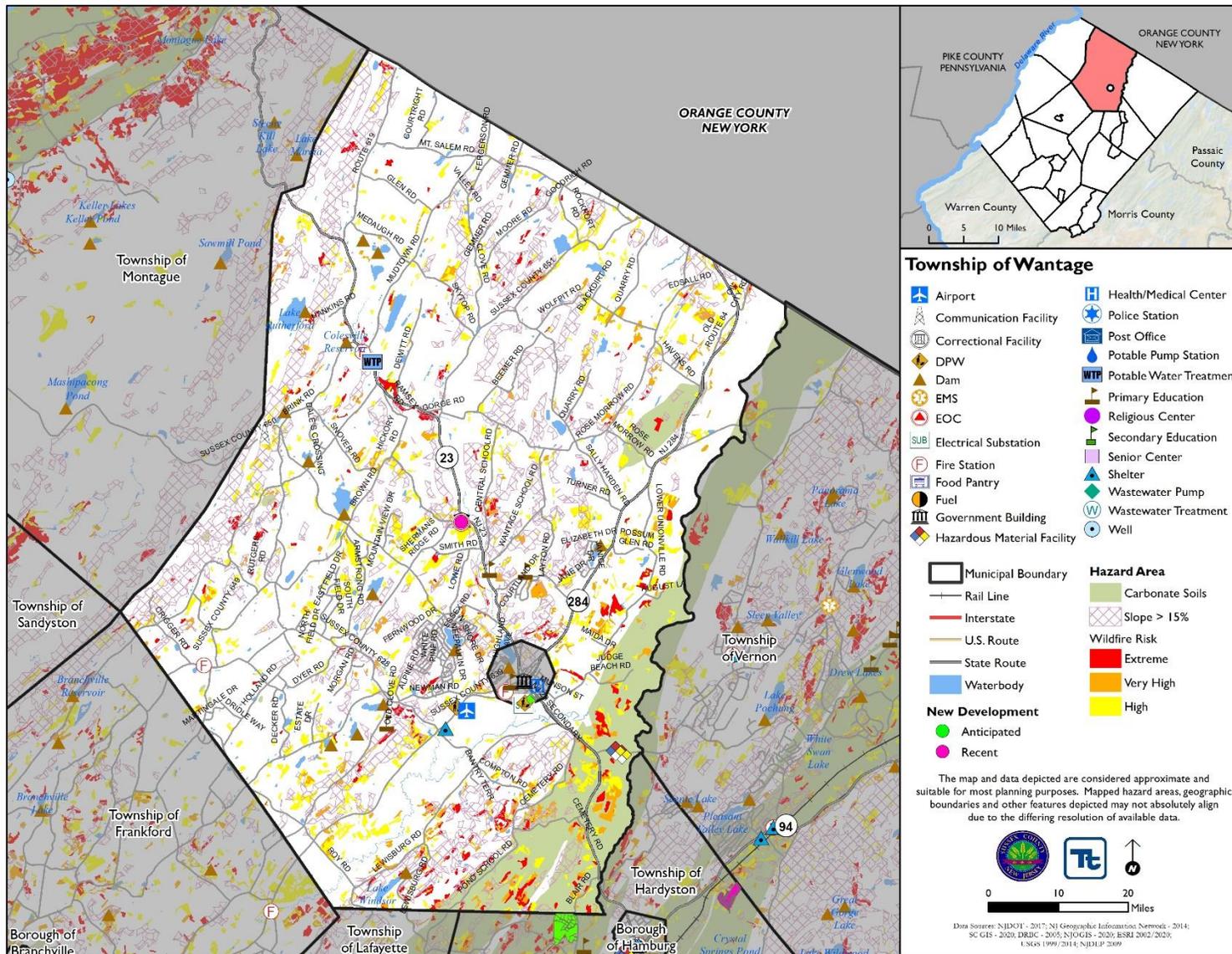




Figure 9.25-3 Township of Wantage Hazard Area Extent and Location Map 3





Action Worksheet			
<b>Project Name:</b>	Backup Generator at Municipal Hall		
<b>Project Number:</b>	2021-Wantage-001		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	All		
<b>Description of the Problem:</b>	The Wantage Township Town Hall is located at 888 State Highway 23. It serves as the town hall, EMS, and EOC. The existing generator is in need of replacement as it is reaching its life expectancy. Without a functioning generator, the town hall will not be able to function or operate during emergency situations.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	Working with the Township Engineer, identify the proper size generator for the town hall. Once identified, purchase and install a permanent generator.		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
<b>Level of Protection:</b>	N/A	<b>Estimated Benefits (losses avoided):</b>	Continuity of operations to critical facilities and lifelines
<b>Useful Life:</b>	5 years	<b>Goals Met:</b>	2, 3, 6
<b>Estimated Cost:</b>	\$125,000	<b>Mitigation Action Type:</b>	Structure and Infrastructure Project
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 2 years
<b>Estimated Time Required for Project Implementation:</b>	Within 2 years	<b>Potential Funding Sources:</b>	FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Township Budget
<b>Responsible Organization:</b>	Township Administration, OEM	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Current problem continues
	Install solar panels on roof of town hall	\$20,000+	Weather dependent; maintenance costs
	Install wind turbine	\$10,000+	Weather dependent; maintenance costs
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	Backup Generator at Municipal Hall	
<b>Project Number:</b>	2021-Wantage-001	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
<b>Life Safety</b>	1	Provide continuity of operations and emergency services to residents
<b>Property Protection</b>	1	Protect building from damages associated with power outages; provide continuity of operations
<b>Cost-Effectiveness</b>	1	
<b>Technical</b>	1	
<b>Political</b>	1	
<b>Legal</b>	1	The Township has jurisdiction to implement this project
<b>Fiscal</b>	0	Need grant funding
<b>Environmental</b>	0	No environmental impacts
<b>Social</b>	0	No social impacts
<b>Administrative</b>	1	The Township has the administrative capabilities to implement this project
<b>Multi-Hazard</b>	1	All hazards
<b>Timeline</b>	1	To be completed within 2 years
<b>Agency Champion</b>	1	
<b>Other Community Objectives</b>	0	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	PPE Stockpile		
<b>Project Number:</b>	2021-Wantage-002		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Disease Outbreak		
<b>Description of the Problem:</b>	During the current COVID-19 pandemic, the Township did not have an adequate supply of personal protective equipment (PPE) for municipal staff. Without proper PPE, it puts municipal staff and residents at risk to the spread of infectious diseases.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Township will purchase PPE to create a stockpile for municipal staff. This will include gloves, masks, gowns, antibacterial handwash, antiviral cleaning solutions, sanitizers, and misters.		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Level of Protection:</b>	PPE	<b>Estimated Benefits (losses avoided):</b>	Increase protection from diseases; decrease risk of spread
<b>Useful Life:</b>	Supply needs to be replaced after use	<b>Goals Met:</b>	1, 2, 3, 6
<b>Estimated Cost:</b>	\$50,000	<b>Mitigation Action Type:</b>	Local Plans and Regulations
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 2 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	BRIC, NJDCA, Township Budget, FEMA Assistance to Firefighters Grant
<b>Responsible Organization:</b>	Township OEM	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Current problem continues
	Shut down during disease outbreak events	N/A	Loss of continuity of operations
	Rely on county/state/federal distribution	\$0	Supply not guaranteed
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	PPE Stockpile	
<b>Project Number:</b>	2021-Wantage-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protects life from disease outbreak
Property Protection	0	
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The Township has the legal authority to conduct the project.
Fiscal	0	Project will require funding support.
Environmental	0	
Social	1	Project would help protect families from disease outbreak events
Administrative	1	
Multi-Hazard	0	Disease Outbreak
Timeline	1	
Agency Champion	1	OEM
Other Community Objectives	1	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	



Action Worksheet			
<b>Project Name:</b>	PPE Stockpile		
<b>Project Number:</b>	2021-Wantage-002		
Risk / Vulnerability			
<b>Hazard(s) of Concern:</b>	Disease Outbreak		
<b>Description of the Problem:</b>	During the current COVID-19 pandemic, the Township did not have an adequate supply of personal protective equipment (PPE) for municipal staff. Without proper PPE, it puts municipal staff and residents at risk to the spread of infectious diseases.		
Action or Project Intended for Implementation			
<b>Description of the Solution:</b>	The Township will purchase PPE to create a stockpile for municipal staff. This will include gloves, masks, gowns, antibacterial handwash, antiviral cleaning solutions, sanitizers, and misters.		
<b>Is this project related to a Critical Facility or Lifeline?</b>	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
<b>Level of Protection:</b>	PPE	<b>Estimated Benefits (losses avoided):</b>	Increase protection from diseases; decrease risk of spread
<b>Useful Life:</b>	Supply needs to be replaced after use	<b>Goals Met:</b>	1, 2, 3, 6
<b>Estimated Cost:</b>	\$50,000	<b>Mitigation Action Type:</b>	Local Plans and Regulations
Plan for Implementation			
<b>Prioritization:</b>	High	<b>Desired Timeframe for Implementation:</b>	Within 2 years
<b>Estimated Time Required for Project Implementation:</b>	1 year	<b>Potential Funding Sources:</b>	BRIC, NJDCA, Township Budget, FEMA Assistance to Firefighters Grant
<b>Responsible Organization:</b>	Township OEM	<b>Local Planning Mechanisms to be Used in Implementation if any:</b>	Hazard Mitigation, Emergency Management
Three Alternatives Considered (including No Action)			
<b>Alternatives:</b>	<b>Action</b>	<b>Estimated Cost</b>	<b>Evaluation</b>
	No Action	\$0	Current problem continues
	Shut down during disease outbreak events	N/A	Loss of continuity of operations
	Rely on county/state/federal distribution	\$0	Supply not guaranteed
Progress Report (for plan maintenance)			
<b>Date of Status Report:</b>			
<b>Report of Progress:</b>			
<b>Update Evaluation of the Problem and/or Solution:</b>			



Action Worksheet		
<b>Project Name:</b>	PPE Stockpile	
<b>Project Number:</b>	2021-Wantage-002	
Criteria	Numeric Rank (-1, 0, 1)	Provide brief rationale for numeric rank when appropriate
Life Safety	1	Protects life from disease outbreak
Property Protection	0	
Cost-Effectiveness	1	Cost-effective project
Technical	1	Technically feasible project
Political	1	
Legal	1	The Township has the legal authority to conduct the project.
Fiscal	0	Project will require funding support.
Environmental	0	
Social	1	Project would help protect families from disease outbreak events
Administrative	1	
Multi-Hazard	0	Disease Outbreak
Timeline	1	
Agency Champion	1	OEM
Other Community Objectives	1	
<b>Total</b>	10	
<b>Priority (High/Med/Low)</b>	High	