



## 6. TOWNSHIP OF DENNIS

This jurisdictional annex to the Cape May County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the Township of Dennis with reducing losses from future hazard events. This annex is not guidance of what to do when a disaster occurs; its focus is on actions that can be implemented prior to a disaster to reduce or eliminate damage to property and people. The annex presents a general overview of Dennis, describes who participated in the planning process, assesses Dennis's risk, vulnerability, and capabilities, and outlines a strategy for achieving a more resilient community.

### 6.1 HAZARD MITIGATION PLANNING TEAM

The Township of Dennis identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many Township departments. The Office of Emergency Management represented the community on the Cape May County HMP Planning Partnership supported the local planning process by securing input from persons with specific knowledge to enhance the plan. 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.

Table 6-1 summarizes Township officials who participated in the development of the annex and in what capacity. Additional documentation of the Township's planning activities through Planning Partnership meetings is included in Volume I.

*Table 6-1. Hazard Mitigation Planning Team*

| Primary Point of Contact                                                                                                                                                                                                                             | Alternate Point of Contact                                                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name/Title: Adam Dotts, OEM Coordinator/Deputy Chief<br>Address: 571 Petersburg Road, P.O. Box 204, Dennisville, NJ 08214<br>Phone Number: 609-425-4072<br>Email: <a href="mailto:adam.dotts@oceanviewfireco.com">adam.dotts@oceanviewfireco.com</a> | Name/Title: Jessica Bishop, Administrator<br>Address: 571 Petersburg Road, P.O. Box 204, Dennisville, NJ 08214<br>Phone Number: 609-861-9700 x225<br>Email: <a href="mailto:jbishop@dennistwp.org">jbishop@dennistwp.org</a> |
| <b>National Flood Insurance Program Floodplain Administrator</b>                                                                                                                                                                                     |                                                                                                                                                                                                                              |
| Name/Title: Michael Morano, Construction Official<br>Address: 571 Petersburg Road, P.O. Box 204, Dennisville, NJ 08214<br>Phone Number: (609) 861-9705<br>Email: <a href="mailto:eileen@dennistwp.org">eileen@dennistwp.org</a>                      |                                                                                                                                                                                                                              |
| <b>Additional Contributors</b>                                                                                                                                                                                                                       |                                                                                                                                                                                                                              |
| Name/Title: Jason Dilworth, Construction Official<br>Method of Participation: Assisted in worksheet completion and reviewing materials                                                                                                               |                                                                                                                                                                                                                              |
| Name/Title: Jessica Ferrier, Technical Assistant to the Construction Official<br>Method of Participation: Assisted in worksheet completion and reviewing materials                                                                                   |                                                                                                                                                                                                                              |





## 6.2 COMMUNITY PROFILE

The Township of Dennis is located within the northern section of Cape May County, New Jersey. It is bounded on the north by the Borough of Woodbine and Township of Upper, on the east by portions of the Township of Upper, the City of Sea Isle City and the Atlantic Ocean, on the south by the Township of Middle, and on the west by Cumberland County, New Jersey and the Delaware Bay. It is part of the Ocean City Metropolitan Statistical Area. The township included the Dennis Creek community, the East and West Creek regions, the Southern portion of the Cedar Swamp, and the Seashore region between Townsend Inlet and Ludlam's Bay. Today Dennis Township includes the communities of Belleplain, Clermont, Dennisville, Eldora, Ocean View, South Dennis and South Seaville.

### 6.2.1 GOVERNING BODY FORMAT

The governing body of the Township of Dennis, is structured as a Township Committee. This committee is responsible for the overall administration and governance of the township, ensuring that the needs and interests of the community are met. The Township Committee consists of several key officials, each with specific roles and responsibilities:

1. **Chairman:** leads the committee's efforts in overseeing the township's operations and making key decisions that impact the community.
2. **Members (4):** includes the responsibilities of the decision-making process and helps manage various aspects of the township's administration. As well, assisting in the governance and administration of the township, working together to address community needs.

The Township Committee works collaboratively to ensure the smooth functioning of Dennis Township. They hold regular meetings to discuss and address various issues, make decisions on policies, and oversee the implementation of township projects and initiatives. Their combined efforts contribute to the well-being and quality of life of the residents of Dennis Township

### 6.2.2 POPULATION AND SOCIAL VULNERABILITY

According to the U.S. Census, the 2020 population for Dennis was 6,285, a 6.6 percent of the County population.

Research has shown that some populations are at greater risk from hazard events because of decreased resources or physical abilities. These populations can be more susceptible to hazard events based on a number of factors including their physical and financial ability to react or respond during a hazard, and the location and construction quality of their housing. Data from the 2020 U.S. Census indicates that 7.7 percent of the population is 5 years of age or younger, 20.8 percent is 65 years of age or older, 0.5 percent is non-English speaking, 5.2 percent is below the poverty threshold, and 9.5 percent is considered disabled.

#### 6.2.2.1 ALICE IN CAPE MAY COUNTY

ALICE is an acronym for Asset Limited, Income Constrained, Employed – households that earn more than the Federal Poverty Level, but less than the basic cost of living for the County. While conditions have improved for some households, many continue to struggle, especially as wages fail to keep pace with the rising cost of household essentials (housing,



child care, food, transportation, health care, and a basic smartphone plan). Households below the ALICE Threshold – ALICE households plus those in poverty – can’t afford the essentials.

According to 2021 Point-in-Time-Data from ALICE, 26% of the 48,860 households in Cape May County are ALICE households (on par with the state average of 26%). The median household income in Cape May is \$78,657, and the County sees a labor force participation rate of 57%. Cape May County faces low household income compared to the state average of \$89,296, along with a low labor participation rate of 57% compared to the state average of 66%. 8% of Cape May households live in poverty, which falls below the state average of 10%.

### 6.3 JURISDICTIONAL CAPABILITY ASSESSMENT AND INTEGRATION

Dennis performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. Volume I describes the components included in the capability assessment and their significance for hazard mitigation planning. The jurisdictional assessment for this annex includes analyses of the following:

- Planning and regulatory capabilities
- Development and permitting capabilities
- Administrative and technical capabilities
- Fiscal capabilities
- Education and outreach capabilities
- Classification under various community mitigation programs
- Adaptive capacity to withstand hazard events

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into day-to-day local government operations. As part of the hazard mitigation analysis, planning and /policy documents were reviewed and each jurisdiction was surveyed to obtain a better understanding of their progress toward plan integration. Development of an updated mitigation strategy provided an opportunity for Dennis to identify opportunities for integrating mitigation concepts into ongoing Township procedures.

#### 6.3.1 PLANNING AND REGULATORY CAPABILITY AND INTEGRATION

Table 6-2 summarizes the planning and regulatory tools that are available to Dennis.



**Table 6-2. Planning and Regulatory Capability and Integration**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Jurisdiction has this? (Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption) | Authority (local, county, state, federal) | Responsible Person, Department or Agency |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|
| <b>CODES, ORDINANCES, &amp; REGULATIONS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                 |                                                                                      |                                           |                                          |
| <b>Building Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                             | Construction Code, Uniform, Chapter 80, March 14, 1977                               | State and Local                           | Construction Official                    |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>There is hereby established in the Township of Dennis a State Uniform Construction Code enforcing agency to be known as the "Department of Construction Inspection," consisting of a Construction Official, a Building Subcode Official, a Plumbing Subcode Official, an Electrical Subcode Official, a Fire Protection Subcode Official. The Construction Official shall be the chief administrator of the enforcing agency.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                 |                                                                                      |                                           |                                          |
| <b>Zoning/Land Use Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                             | Zoning, Chapter 185, August 12, 1996                                                 | Local                                     | Township Committee                       |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>The purpose of this chapter is to establish a pattern for the use of land and buildings in the Township of Dennis, based on the latest updated Master Plan for the Township of Dennis and enacted in order to promote and to protect the public health, safety, comfort, convenience, and general welfare of the people. This Chapter encourages clustering as a method of developing residential dwellings that will preserve desirable open spaces, conservation areas and floodplains by permitting the reduction of lot sizes and certain other regulations hereinafter stated without increasing the number of lots in the total area to be developed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                 |                                                                                      |                                           |                                          |
| <b>Subdivision Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                             | Subdivision of Land, Chapter 165, August 28, 1975 & amended July 15, 2013            | Local                                     | Township Committee                       |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>The purpose of this chapter shall be to provide rules, regulations and standards to guide land subdivision in the Township of Dennis and to implement the goals and objectives of the Pinelands Comprehensive Management Plan. It shall be administered to ensure orderly growth and development, the conservation, protection and proper use of land and adequate provisions for circulation, utilities and services in order to assure and promote the comfort, health, safety, convenience and general welfare of the municipality.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                 |                                                                                      |                                           |                                          |
| <b>Site Plan Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                             | Construction Code, Uniform, Chapter 80, March 14, 1977                               | Local and County                          | Township Committee                       |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>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. Site plan review is conducted by the Alternate Engineer.</p> |                                 |                                                                                      |                                           |                                          |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Jurisdiction has this?<br>(Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption)             | Authority<br>(local, county, state, federal) | Responsible Person, Department or Agency |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|
| <b>Stormwater Management Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                | Stormwater Control, Chapter 163, adopted by the Township Committee, May 4, 2006 and updated 2024 | Local                                        | Township Committee                       |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p> <p>As required by this Chapter, flood control, groundwater recharge, and pollutant reduction through nonstructural or low impact techniques shall be explored before relying on structural BMPs. Structural BMPs should be integrated with nonstructural stormwater management strategies and proper maintenance plans. Nonstructural strategies include both environmentally sensitive site design and source controls that prevent pollutants from being placed on the site or from being exposed to stormwater.</p> |                                    |                                                                                                  |                                              |                                          |
| <b>Post-Disaster Recovery/Reconstruction Code</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                 | -                                                                                                | -                                            | -                                        |
| <p>How has or will this be integrated with the HMP and how does this reduce risk?</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                    |                                                                                                  |                                              |                                          |



|                                     | Jurisdiction has this?<br>(Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption) | Authority<br>(local, county, state, federal) | Responsible Person, Department or Agency                    |
|-------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------|
| Real Estate Disclosure Requirements | Yes                                | Senate Bill 3110; P. L. 2023, c. 93, July 3, 2023                                    | State                                        | Sellers and Landlords of commercial or residential property |





How has or will this be integrated with the HMP and how does this reduce risk?

For leases, the law amends the New Jersey Truth-in-Renting Act, N.J.S.A. 46:8-43 et seq., to require every landlord to notify in writing each of the landlord's tenants, prior to lease signing or renewal, whether the property is located in the Federal Emergency Management Agency (FEMA) Special Flood Hazard Area ("100-year floodplain") or Moderate Risk Flood Hazard Area ("500-year floodplain") and if the landlord has actual knowledge that the rental premises or any portion of the parking areas of the real property containing the rental premises has been subjected to flooding. The law does not apply to (1) landlords who lease commercial space or residential dwellings for less than one month, (2) residential dwellings in a premises containing not more than two units, (3) owner-occupied premises containing not more than three units, or (4) hotels, motels, or other guest houses serving transient or seasonal guests for a period of less than 120 days.

The model notice is to contain the heading "Flood Risk" and questions for the landlord to answer regarding the landlord's actual knowledge of past flooding of the property. The questions regarding the property being in a FEMA Special or Moderate Risk Flood Hazard Area shall not contain the option for "unknown." To determine how the questions are to be answered, FEMA's current flood insurance rate maps for the leased premises area must be consulted. The landlord will be required to answer whether the rental premises or any portions of the parking areas of the real property containing the rental premises ever experienced any flood damage, water seepage, or pooled water due to a natural flood event and, if so, the number of times that has occurred.

The notice to residential tenants must also indicate that flood insurance may be available to renters through FEMA's National Flood Insurance Program to cover their personal property and contents in the event of a flood and that standard renter's insurance does not typically cover flood damage.

For sales, the law also amends the New Jersey Consumer Fraud Act, N.J.S.A. 56:8-1 et seq., to require sellers of real property to disclose, on the property condition disclosure statement, whether the property is located in the FEMA Special or Moderate Risk Flood Hazard Area and any actual knowledge of the seller concerning flood risks of the property to the purchaser before the purchaser becomes obligated under any contract for the purchase of the property.

The disclosure statement must contain the heading "Flood Risk" and ask the seller the following questions:

- Is any or all of the property in the Special Flood Hazard Area ("100-year floodplain") or a Moderate Risk Flood Hazard Area ("500-year floodplain") according to FEMA's current flood insurance rate maps?
- Is the property subject to any requirement under federal law to obtain and maintain flood insurance on the property? Properties in the Special Flood Hazard Area with mortgages from federally regulated or insured lenders are required to obtain and maintain flood insurance.
- Have you ever received assistance from, or are you aware of any previous owners receiving assistance from FEMA, the U.S. Small Business Administration, or any other federal disaster flood assistance for flood damage on the property? For properties that have received flood disaster assistance, the requirement to obtain flood insurance passes down to all future owners.
- Is there flood insurance on the property? A standard homeowner's insurance policy typically does not cover flood damage.
- Is there a FEMA elevation certificate available for the property? If so, it must be shared with the buyer. An elevation certificate is a FEMA form, completed by a licensed surveyor or engineer, that provides critical information about the flood risk of the property and is used by flood insurance providers to determine the appropriate insurance rating for the property.
- Have you ever filed a claim for flood damage to the property with any insurance provider? If the claim was approved, what was the amount received?
- Has the property experienced any flood damage, water seepage, or pooled water due to a natural flood event, such as heavy rainfall, coastal storm surge, tidal inundation, or river overflow? If so, how many times?

Not all provisions of this law have become effective at the time of the writing of this plan.

|                                                                                |    |   |   |   |
|--------------------------------------------------------------------------------|----|---|---|---|
| <b>Growth Management</b>                                                       | No | - | - | - |
| How has or will this be integrated with the HMP and how does this reduce risk? |    |   |   |   |
| <b>Environmental Protection Ordinance(s)</b>                                   | No | - | - | - |





|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Jurisdiction has this?<br>(Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption) | Authority<br>(local, county, state, federal) | Responsible Person, Department or Agency |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                      |                                              |                                          |
| <b>Flood Damage Prevention Ordinance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                | Flood Damage Prevention, Chapter 105, August 22, 2017                                | Federal, State, County and Local             | Township Committee                       |
| How has or will this be integrated with the HMP and how does this reduce risk?<br>It is the purpose of this chapter to promote the public health, safety, and general welfare, and to minimize public and private losses due to flood conditions in specific areas accomplished by; a) Restricting or prohibiting uses which are dangerous to health, safety, and property due to water or erosion hazards, or which result in damaging increases in erosion or in flood heights or velocities; b) Requiring that uses vulnerable to floods including facilities which serve such uses, be protected against flood damage at the time of initial construction; c) Controlling the alteration of natural floodplains, stream channels, and natural protective barriers, which help accommodate or channel flood waters; d) Controlling filling, grading, dredging, and other development which may increase flood damage; and, e) Preventing or regulating the construction of flood barriers which will unnaturally divert flood waters or which may increase flood hazards in other areas. |                                    |                                                                                      |                                              |                                          |
| <b>Wellhead Protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | No                                 | -                                                                                    | -                                            | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                      |                                              |                                          |
| <b>Emergency Management Ordinance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                 | -                                                                                    | -                                            | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                      |                                              |                                          |
| <b>Climate Change Ordinance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                 | -                                                                                    | -                                            | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                      |                                              |                                          |
| <b>Other</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                 | -                                                                                    | -                                            | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                                                      |                                              |                                          |
| <b>PLANNING DOCUMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                    |                                                                                      |                                              |                                          |
| <b>General/Comprehensive Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes                                | Master Plan – Land Use Plan, Township of Dennis, 2022                                | Local                                        | Planning Board                           |
| How has or will this be integrated with the HMP and how does this reduce risk?<br>Goal #5 of the Master Plan is to protect sensitive environmental areas from inappropriate development and to provide comprehensive protection for a broad range of natural resources. This appears to be the only goal directly related to environmental preservation and protection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                    |                                                                                      |                                              |                                          |
| <b>Capital Improvement Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Yes                                | 2025 Capital Improvement Plan                                                        | Local                                        | Admin/ Finance                           |
| Capital Improvement Plan includes projects identified as mitigation actions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                                                      |                                              |                                          |
| <b>Disaster Debris Management Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                | TDMA Plan – Approved Jan 2022                                                        | Local                                        | OEM                                      |
| This plan has taken past hazard events and mitigation strategies (including actions) into consideration during its development.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                    |                                                                                      |                                              |                                          |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Jurisdiction has this? (Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption)                       | Authority (local, county, state, federal) | Responsible Person, Department or Agency |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|
| <b>Floodplain Management or Watershed Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                              | -                                                                                                          | -                                         | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Stormwater Management Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                             | Stormwater Control, Chapter 163, adopted by the Township Committee, May 4, 2006 and updated September 2020 | Local                                     | Public Works                             |
| This plan has taken past hazard events data and mitigation projects developed from mitigation actions into consideration.                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                                            |                                           |                                          |
| <b>Stormwater Pollution Prevention Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                             | Stormwater Pollution Prevention Plan, dated December 1, 2018                                               | Local                                     | Planning Board                           |
| This plan has taken past hazard events data and mitigation projects developed from mitigation actions into consideration.                                                                                                                                                                                                                                                                                                                                                                                                                        |                                 |                                                                                                            |                                           |                                          |
| <b>Open Space Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | No                              | -                                                                                                          | County                                    | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Urban Water Management Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | No                              | -                                                                                                          | -                                         | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Habitat Conservation Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                              | -                                                                                                          | -                                         | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Economic Development Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                              | -                                                                                                          | -                                         | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Community Wildfire Protection Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No                              | -                                                                                                          | -                                         | -                                        |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| <b>Community Forest Management Plan</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                             | Community Forestry Management Plan, December 15, 2015                                                      | Local                                     | Environmental Commission                 |
| How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                 |                                                                                                            |                                           |                                          |
| The goals of the Plan include; To maximize public safety relative to trees the Township manages through a proactive approach to tree care and management; To fully understand the magnitude of the tree resource for which Township employees are responsible for maintaining and also identify noteworthy trees on public and private land that lend character to the Township; To encourage Township residents to be good stewards of their tree resource; To encourage Township Employees to be good stewards of the Townships tree resource. |                                 |                                                                                                            |                                           |                                          |



|                                                                                                                                                                                               | Jurisdiction has this?<br>(Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption) | Authority<br>(local, county, state, federal) | Responsible Person, Department or Agency |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------|
| <b>Transportation Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                                  | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Agriculture Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                                     | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Climate Action/ Resilience/Sustainability Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                       | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Tourism Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                                         | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Business/ Downtown Development Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                  | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Other</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                                                | No                                 |                                                                                      |                                              |                                          |
| <b>RESPONSE/RECOVERY PLANNING</b>                                                                                                                                                             |                                    |                                                                                      |                                              |                                          |
| <b>Emergency Operations Plan</b><br>EOP for the Township takes into consideration response and operations strategy for all types of events, such as natural hazards identified in this HMP.   | Yes                                | Township of Dennis Emergency Operations Plan                                         | Local                                        | OEM                                      |
| <b>Continuity of Operations Plan</b><br>This plan for the Township takes into consideration continuity of operations for all types of events, such as natural hazards identified in this HMP. | Yes                                | Township of Dennis Continuity of Operations Plan                                     | Local                                        | OEM                                      |
| <b>Substantial Damage Response Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                                     | No                                 | -                                                                                    | -                                            | -                                        |
| <b>Threat and Hazard Identification and Risk Assessment</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                                                 | No                                 | -                                                                                    | -                                            | -                                        |



|                                                                                                                      | Jurisdiction has this? (Yes/No) | Citation and Date (code chapter or name of plan, date of enactment or plan adoption) | Authority (local, county, state, federal) | Responsible Person, Department or Agency |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|
| <b>Post-Disaster Recovery Plan</b><br>How has or will this be integrated with the HMP and how does this reduce risk? | No                              | -                                                                                    | -                                         | -                                        |
| <b>Public Health Plan</b><br>Public Health Plan has integrated natural hazards identified in this HMP in their plan. | Yes                             | Township of Dennis Public Health Plan                                                | County                                    | County Public Health                     |
| <b>Other</b><br>How has or will this be integrated with the HMP and how does this reduce risk?                       | No                              | -                                                                                    | -                                         | -                                        |

### 6.3.2 DEVELOPMENT AND PERMITTING CAPABILITY

Table 6-3 summarizes the capabilities of Dennis to oversee and track development.

*Table 6-3. Development and Permitting Capability*

|                                                                                                                                                                                                                                                               | Yes/No | Comment                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------------------------------------------|
| Do you issue development permits?<br><ul style="list-style-type: none"> <li>If you issue development permits, what department is responsible?</li> <li>If you do not issue development permits, what is your process for tracking new development?</li> </ul> | No     | Development permits are issued by the state. |
| Are permits tracked by hazard area? (For example, floodplain development permits.)                                                                                                                                                                            | No     | N/A                                          |
| Do you have a buildable land inventory?<br><ul style="list-style-type: none"> <li>If you have a buildable land inventory, please describe</li> </ul>                                                                                                          | No     | N/A                                          |
| Describe the level of buildout in your jurisdiction.                                                                                                                                                                                                          | N/A    | N/A                                          |

### 6.3.3 ADMINISTRATIVE AND TECHNICAL CAPABILITY

Table 6-4 summarizes potential staff and personnel resources available to Dennis and their current responsibilities that contribute to hazard mitigation.


**Table 6-4. Administrative and Technical Capabilities**

| Resources                                                                                                                                                             | Available?<br>(Yes/No) | Comment<br>(available staff, responsibilities, support of hazard mitigation) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------|
| <b>ADMINISTRATIVE CAPABILITY</b>                                                                                                                                      |                        |                                                                              |
| Planning Board                                                                                                                                                        | Yes                    | Land Use/Planning                                                            |
| Zoning Board of Adjustment                                                                                                                                            | No                     | -                                                                            |
| Planning Department                                                                                                                                                   | No                     | -                                                                            |
| Mitigation Planning Committee                                                                                                                                         | Yes                    | OEM                                                                          |
| Environmental Board/Commission                                                                                                                                        | Yes                    | Environmental Commission                                                     |
| Open Space Board/Committee                                                                                                                                            | No                     | -                                                                            |
| Economic Development Commission/Committee                                                                                                                             | No                     | -                                                                            |
| Public Works/Highway Department                                                                                                                                       | Yes                    | Debris removal, cleanup                                                      |
| Construction/Building/Code Enforcement Department                                                                                                                     | Yes                    | Building and hazard evaluation                                               |
| Emergency Management/Public Safety Department                                                                                                                         |                        | Coordination, emergency response                                             |
| Maintenance programs to reduce risk (stormwater maintenance, tree trimming, etc.)                                                                                     | Yes                    | Public Works conducts regular maintenance                                    |
| Mutual aid agreements                                                                                                                                                 | Yes                    | Township Committee                                                           |
| Human Resources Manual - Do any job descriptions specifically include identifying or implementing mitigation projects or other efforts to reduce natural hazard risk? | No                     | -                                                                            |
| Other                                                                                                                                                                 | No                     | -                                                                            |
| <b>TECHNICAL/STAFFING CAPABILITY</b>                                                                                                                                  |                        |                                                                              |
| Planners or engineers with knowledge of land development and land management practices                                                                                | Yes                    | Planning Board Engineer Mike Fralinger                                       |
| Engineers or professionals trained in building or infrastructure construction practices                                                                               | Yes                    | Township Engineer Mike Fralinger                                             |
| Planners or engineers with an understanding of natural hazards                                                                                                        | Yes                    | Township Engineer Mike Fralinger                                             |
| Staff with expertise or training in benefit/cost analysis                                                                                                             | Yes                    | CFO                                                                          |
| Professionals trained in conducting damage assessments                                                                                                                | No                     | -                                                                            |
| Personnel skilled or trained in GIS and/or Hazus applications                                                                                                         | No                     | -                                                                            |
| Staff that work with socially vulnerable populations or underserved communities                                                                                       | No                     | -                                                                            |



| Resources                                                                      | Available?<br>(Yes/No) | Comment<br>(available staff, responsibilities, support of hazard mitigation) |
|--------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------------|
| Environmental scientists familiar with natural hazards                         | No                     | -                                                                            |
| Surveyors                                                                      | Yes                    | Charles Adamson                                                              |
| Emergency manager                                                              | Yes                    | Adam Dotts OEM Coordinator                                                   |
| Grant writers                                                                  | Yes                    | Consultants                                                                  |
| Resilience Officer                                                             | No                     | -                                                                            |
| Other (this could include stormwater engineer, environmental specialist, etc.) | No                     | -                                                                            |

### 6.3.4 FISCAL CAPABILITY

Table 6-5 summarizes financial resources available to Dennis.

*Table 6-5. Fiscal Capabilities*

| Financial Resources                                                         | Accessible or Eligible to Use?<br>(Yes/No) |
|-----------------------------------------------------------------------------|--------------------------------------------|
| Community Development Block Grants (CDBG, CDBG-DR)                          | Yes                                        |
| Capital improvement project funding                                         | Yes                                        |
| Authority to levy taxes for specific purposes                               | Yes                                        |
| User fees for water, sewer, gas, or electric service                        | No                                         |
| Impact fees for homebuyers or developers of new development/homes           | No                                         |
| Stormwater utility fee                                                      | No                                         |
| Incur debt through general obligation bonds                                 | Yes                                        |
| Incur debt through special tax bonds                                        | Yes                                        |
| Incur debt through private activity bonds                                   | Yes                                        |
| Withhold public expenditures in hazard-prone areas                          | No                                         |
| Other federal or state funding programs                                     | Yes                                        |
| Open Space Acquisition funding programs                                     | No                                         |
| Other (for example, Clean Water Act 319 Grants [Nonpoint Source Pollution]) | No                                         |

### 6.3.5 EDUCATION AND OUTREACH CAPABILITY

Table 6-6 summarizes the education and outreach resources available to Dennis.

**Table 6-6. Education and Outreach Capabilities**

| Outreach Resources                                                                                                                   | Available?<br>(Yes/No) | Comment                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Public information officer or communications office                                                                                  | No                     | -                                                                                                                                                                          |
| Personnel skilled or trained in website development                                                                                  | No                     | -                                                                                                                                                                          |
| Hazard mitigation information available on your website                                                                              | Yes                    | The Township's website posts information regarding important information and public notices and includes links to important hurricane and other disaster risk information. |
| Social media for hazard mitigation education and outreach                                                                            | Yes                    | Website and Facebook                                                                                                                                                       |
| Citizen boards or commissions that address issues related to hazard mitigation                                                       | No                     | -                                                                                                                                                                          |
| Warning systems for hazard events                                                                                                    | Yes                    | CodeRED, Warning Sirens                                                                                                                                                    |
| Natural disaster/safety programs in place for schools                                                                                | Yes                    | School emergency plans                                                                                                                                                     |
| Organizations that conduct outreach to socially vulnerable populations and underserved populations                                   | No                     | -                                                                                                                                                                          |
| Public outreach mechanisms / programs to inform citizens on natural hazards, risk, and ways to protect themselves during such events | Yes                    | Township website                                                                                                                                                           |

### 6.3.6 COMMUNITY CLASSIFICATIONS

Table 6-7 summarizes classifications for community programs available to Dennis.

**Table 6-7. Community Classifications**

| Program                                                                     | Participating?<br>(Yes/No) | Classification                | Date<br>Classified |
|-----------------------------------------------------------------------------|----------------------------|-------------------------------|--------------------|
| Community Rating System (CRS)                                               | No                         | -                             | -                  |
| Building Code Effectiveness Grading Schedule (BCEGS)                        | No                         | -                             | -                  |
| Public Protection (ISO Fire Protection Classes 1 to 10)                     | Yes                        | 4- residential, 3- commercial | Unknown            |
| National Weather Service StormReady Certification                           | No                         | -                             | -                  |
| Firewise Communities classification                                         | No                         | -                             | -                  |
| New Jersey Sustainable Jersey Community                                     | Yes                        | -                             | -                  |
| Other: Organizations with mitigation focus (advocacy group, non-government) | No                         | -                             | -                  |

N/A = Not applicable

— = Unavailable



### 6.3.7 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 2022). Each jurisdiction has a unique combination of capabilities to adjust to, protect from, and withstand a future hazard event, future conditions, and changing risk. Table 6-8 summarizes the adaptive capacity for each identified hazard of concern and the Township’s capability to address related actions using the following classifications:

- Strong: Capacity exists and is in use.
- Moderate: Capacity might exist; but is not used or could use some improvement.
- Weak: Capacity does not exist or could use substantial improvement

*Table 6-8. Adaptive Capacity*

| Hazard                | Adaptive Capacity - Strong/Moderate/Weak |
|-----------------------|------------------------------------------|
| Dam Failure           | Moderate                                 |
| Drought               | Moderate                                 |
| Earthquake            | Moderate                                 |
| Extreme Temperature   | Moderate                                 |
| Flood                 | Moderate                                 |
| Severe Weather        | Moderate                                 |
| Severe Winter Weather | Strong                                   |
| Wildfire              | Moderate                                 |

## 6.4 NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

This section provides specific information on the management and regulation of the regulatory floodplain, including current and future compliance with the National Flood Insurance Program (NFIP). The floodplain administrator listed in Table 6-1 is responsible for maintaining this information.

### 6.4.1 NFIP STATISTICS

Table 6-9 summarizes the NFIP policy and claim statistics for Dennis.

*Table 6-9. Dennis NFIP Summary of Policy and Claim Statistics*

|                                                       |                |
|-------------------------------------------------------|----------------|
| # Policies                                            | 34             |
| # Claims (Losses)                                     | 16             |
| Total Loss Payments                                   | \$1,036,011.27 |
| # Repetitive Loss Properties (NFIP definition)        | 2              |
| # Repetitive Loss Properties (FMA definition)         | 0              |
| # Severe Repetitive Loss Properties (NFIP definition) | 0              |



|                                                      |    |
|------------------------------------------------------|----|
| # Policies                                           | 34 |
| # Severe Repetitive Loss Properties (FMA definition) | 0  |

*NFIP Definition of Repetitive Loss: The NFIP defines a repetitive loss property as any insurable building for which two or more claims of more than \$1,000 were paid by the NFIP within any rolling 10-year period since 1978.*

*FMA Definition of Repetitive Loss: FEMA's Flood Mitigation Assistance (FMA) program defines a repetitive loss property as any insurable building that has incurred flood-related damage on two occasions, in which the cost of the repair, on average, equaled or exceeded 25 percent of the market value of the structure at the time of each such flood event.*

*Definition of Severe Repetitive Loss: A residential property covered under an NFIP flood insurance policy and: (a) That has at least four NFIP claim payments over \$5,000 each, and the cumulative amount of such claims payments exceeds \$20,000; or (b) For which at least two separate claims payments have been made with the cumulative amount of the building portion of such claims exceeding the market value of the building. At least two of the claims must have occurred within any 10-year period, more than 10 days apart.*

Source: FEMA, 2024

## 6.4.2 FLOOD VULNERABILITY SUMMARY

Table 6-10 provides a summary of the NFIP program in Dennis.

**Table 6-10. NFIP Summary**

| NFIP Topic                                                                                                                                                 | Comments                                                                                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Flood Vulnerability Summary</b>                                                                                                                         |                                                                                                                                               |
| Describe areas prone to flooding in your jurisdiction.                                                                                                     | There are two (2) marinas that are prone to typical coastal flooding.                                                                         |
| Do you maintain a list of properties that have been damaged by flooding?                                                                                   | No, not at this time.                                                                                                                         |
| Do you maintain a list of property owners interested in flood mitigation?                                                                                  | No, none at this time.                                                                                                                        |
| How many homeowners and/or business owners are interested in mitigation (elevation or acquisition)?                                                        | None, at this time.                                                                                                                           |
| Are any RiskMAP projects currently underway in your jurisdiction? If so, state what projects are underway.                                                 | No, none at this time.                                                                                                                        |
| How do you make Substantial Damage determinations?                                                                                                         | If the cost to repair the structure is 50% or more of the market value of the structure (excluding land) it is considered substantial damage. |
| How many Substantial Damage determinations were declared for recent flood events in your jurisdiction?                                                     | None, at this time.                                                                                                                           |
| How many properties have been mitigated (elevation or acquisition) in your jurisdiction? If there are mitigation properties, how were the projects funded? | None, at this time.                                                                                                                           |
| Do your flood hazard maps adequately address the flood risk within your jurisdiction? If not, state why.                                                   | Yes, the flood hazard maps adequately address flood risk within the Township.                                                                 |
| <b>NFIP Compliance</b>                                                                                                                                     |                                                                                                                                               |
| What local department is responsible for floodplain management?                                                                                            | Construction Department is responsible for floodplain management.                                                                             |



| NFIP Topic                                                                                                                                                                                                                                                                                           | Comments                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Are any certified floodplain managers on staff in your jurisdiction?                                                                                                                                                                                                                                 | Yes, there are floodplain managers on staff within the Township.                                                                      |
| Do you have access to resources to determine possible future flooding conditions from climate change?                                                                                                                                                                                                | Yes, the Township has access to climate change resources.                                                                             |
| 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?                                                                                                                               | No, not at this time.                                                                                                                 |
| Provide an explanation of NFIP administration services you provide (e.g., permit review, GIS, education/outreach, inspections, engineering capability)                                                                                                                                               | Permit review; GIS, Education/outreach, inspections                                                                                   |
| How do you determine if proposed development on an existing structure would qualify as a substantial improvement?                                                                                                                                                                                    | If you're spending 50% or more of the structure's market value on the proposed development, it qualifies as a substantial improvement |
| What are the barriers to running an effective NFIP program in the community, if any?                                                                                                                                                                                                                 | None, at this time.                                                                                                                   |
| Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, state the violations.                                                                                                                                                                       | No, not at this time.                                                                                                                 |
| When was the most recent Community Assistance Visit (CAV) or Community Assistance Contact (CAC)?                                                                                                                                                                                                     | Unknown.                                                                                                                              |
| What is the local law number or municipal code of your flood damage prevention ordinance?                                                                                                                                                                                                            | Chapter 105 of the township code                                                                                                      |
| What is the date that your flood damage prevention ordinance was last amended?                                                                                                                                                                                                                       | August 22, 2017                                                                                                                       |
| Does your floodplain management program meet or exceed minimum requirements? If exceeds, in what ways?                                                                                                                                                                                               | Yes, the floodplain management program meets requirements.                                                                            |
| Are there other local ordinances, plans or programs (e.g., site plan review) that support floodplain management and meeting the NFIP requirements? For instance, does the planning board or zoning board consider efforts to reduce flood risk when reviewing variances such as height restrictions? | Yes                                                                                                                                   |
| Does your community plan to join the CRS program or is your community interested in improving your CRS classification?                                                                                                                                                                               | No, not at this time.                                                                                                                 |

## 6.5 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 appreciating a jurisdiction's overall risk to its hazards of concern. Recent and expected future development trends, including major residential/commercial development and major infrastructure development, are summarized in Table 6-11 through Table 6-13.



**Table 6-11. Number of Building Permits for New Construction Issued Since the Previous HMP**

|                     | New Construction Permits Issued |              |                                     |       |
|---------------------|---------------------------------|--------------|-------------------------------------|-------|
|                     | Single Family                   | Multi-Family | Other (commercial, mixed-use, etc.) | Total |
| <b>2020</b>         |                                 |              |                                     |       |
| Total Permits       | 18                              | 0            | 2                                   | 20    |
| Permits within SFHA | 0                               | 0            | 0                                   | 0     |
| <b>2021</b>         |                                 |              |                                     |       |
| Total Permits       | 19                              | 0            | 4                                   | 23    |
| Permits within SFHA | 0                               | 0            | 0                                   | 0     |
| <b>2022</b>         |                                 |              |                                     |       |
| Total Permits       | 15                              | 0            | 6                                   | 21    |
| Permits within SFHA | 0                               | 0            | 0                                   | 0     |
| <b>2023</b>         |                                 |              |                                     |       |
| Total Permits       | 13                              | 0            | 5                                   | 18    |
| Permits within SFHA | 0                               | 0            | 0                                   | 0     |
| <b>2024</b>         |                                 |              |                                     |       |
| Total Permits       | 12                              | 0            | 2                                   | 14    |
| Permits within SFHA | 0                               | 0            | 0                                   | 0     |

SFHA = Special Flood Hazard Area (1% flood event)

**Table 6-12. Recent Major Development and Infrastructure from 2017 to Present**

| Property or Development Name                               | Type of Development | # of Units / Structures | Location (address and/or block and lot) | Known Hazard Zones* | Description / Status of Development |
|------------------------------------------------------------|---------------------|-------------------------|-----------------------------------------|---------------------|-------------------------------------|
| No recent major development and infrastructure identified. |                     |                         |                                         |                     |                                     |

\* Only location-specific hazard zones or vulnerabilities identified.

**Table 6-13. Known or Anticipated Major Development and Infrastructure in the Next Five Years**

| Property or Development Name                                                                    | Type of Development | # of Units / Structures | Location (address and/or block and lot) | Known Hazard Zones* | Description / Status of Development |
|-------------------------------------------------------------------------------------------------|---------------------|-------------------------|-----------------------------------------|---------------------|-------------------------------------|
| No known or anticipated major development and infrastructure in the next five years identified. |                     |                         |                                         |                     |                                     |



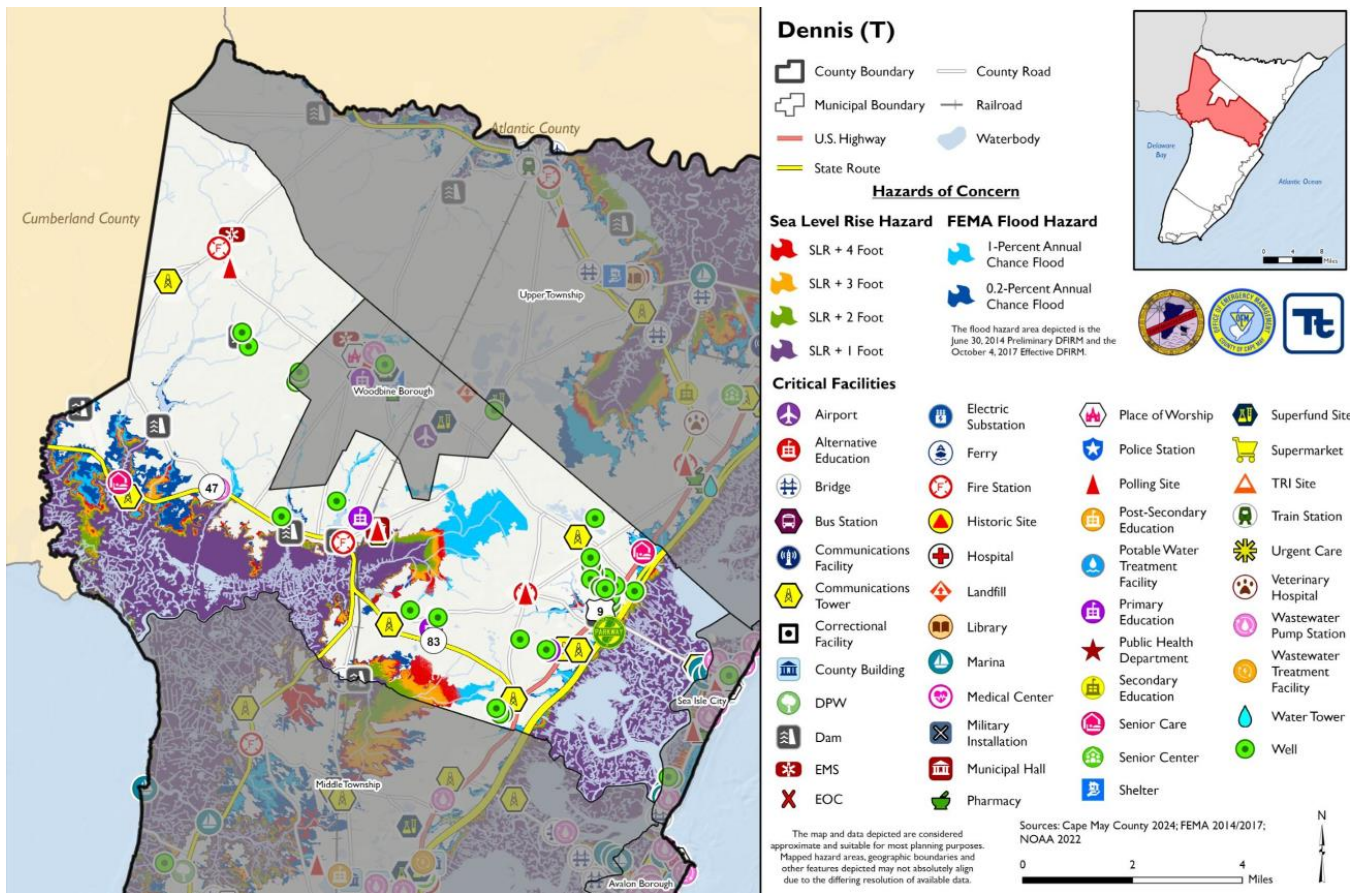
## 6.6 JURISDICTIONAL RISK ASSESSMENT

The hazard profiles in Volume I provide detailed information regarding each planning partner's vulnerability to the identified hazards, including summaries of Dennis's risk assessment results and data used to determine the hazard ranking. Key local risk assessment information is presented below.

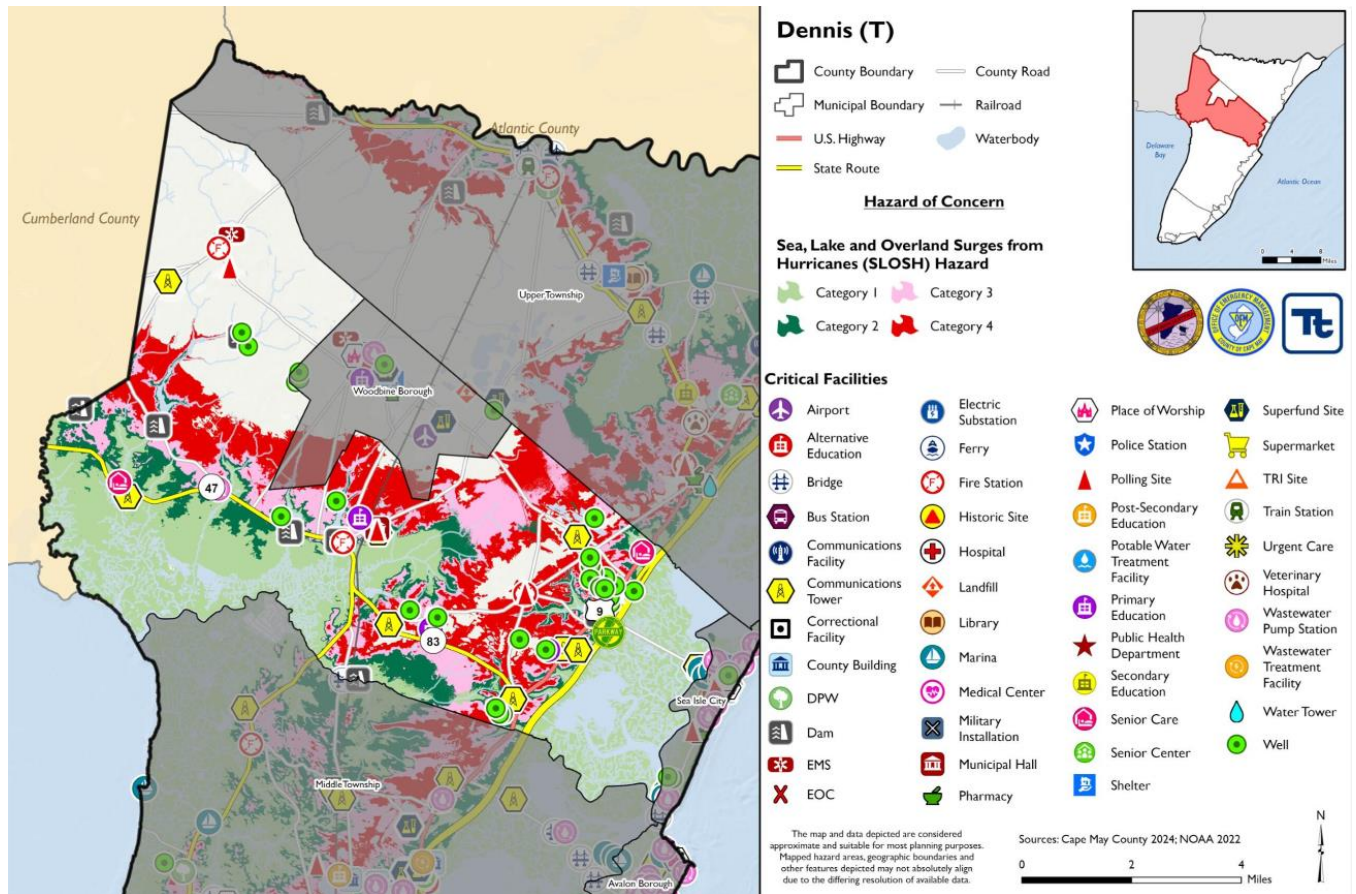
### 6.6.1 HAZARD AREA

Hazard area maps provided below illustrate the probable hazard areas impacted within the Township are shown in Figure 6-1 through Figure 6-23. 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 are provided only for hazards that can be identified clearly using mapping techniques and technologies and for which Dennis has significant exposure. The maps show the location of potential new development, where available.

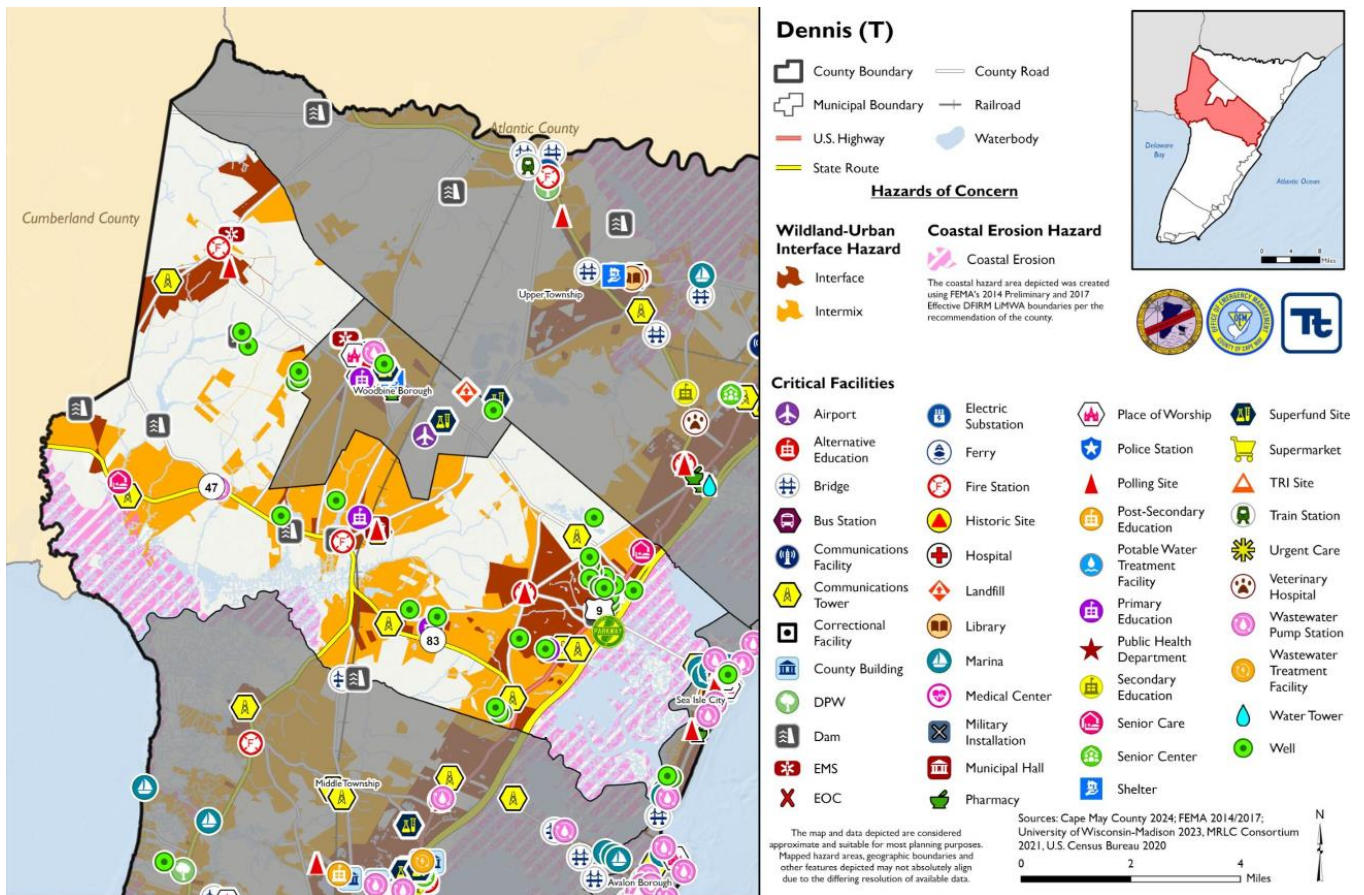
**Figure 6-1. Dennis Sea Level Rise and FEMA Flood Hazard Area Extent and Location Map**



**Figure 6-2. Dennis SLOSH Hazard Area Extent and Location Map**



**Figure 6-3. Dennis WUI and Coastal Erosion Hazard Area Extent and Location Map**





## 6.6.2 HAZARD EVENT HISTORY

The history of natural and non-natural hazard events in Dennis is detailed in Volume I, where each hazard profile includes a chronology of historical events that have affected the County and its municipalities. Table 6-14 provides details on loss and damage in Dennis during hazard events since the last hazard mitigation plan update.

*Table 6-14. Hazard Event History in Dennis*

| Dates of Event      | Event Type (Disaster Declaration)                  | County Designated? | Summary of Event                                                                                                                                                                                                                                          | Summary of Damage and Losses in Dennis                         |
|---------------------|----------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| February 11, 2021   | Severe Winter Weather (4597-DR-NJ)                 | Yes                | Widespread snow fell and accumulate between 3 to 5 inches across the County, with some amounts locally a little higher. The County was eligible for Public Assistance through Federal Declaration.                                                        | No damages reported                                            |
| September 1-3, 2021 | Remnants of Hurricane Ida (EM-3573-NJ, DR-4614-NJ) | Yes                | The remnants of Hurricane Ida produced heavy rainfall through the County. The County was eligible for Public Assistance through Federal Declaration.                                                                                                      | No damages reported                                            |
| January 13, 2021    | Severe Winter Weather, Flood                       | No                 | A quick moving winter storm impacted Cape May County where a widespread 6 to 12 inches of snow fell. Moderate coastal flooding in the tidal areas of Cape May County occurred around the time of the morning high tide causing numerous road closures.    | No damages reported                                            |
| April 1, 2023       | Severe Weather                                     | No                 | Thunderstorms produced damaging winds and small to medium-sized hail. Multiple trees downed on Corson Tavern Road and Route 9 in Dennis Township. A structure fire was caused by lightning in Rio Grande.                                                 | No damages reported, trees downed                              |
| September 23, 2023  | Severe Weather                                     | No                 | Tropical Storm Ophelia resulted in a steady onshore flow along the coast, causing widespread tidal flooding. There were numerous road closures. Many homes and other buildings were surrounded by flood waters with some minor property damage occurring. | No damages reported                                            |
| January 19, 2024    | Severe Winter Weather                              | No                 | A winter storm brought widespread light to moderate snowfall accumulations across the region. Snowfall totals ranged largely from around 3 to 4 across much of the zone. The highest snowfall report was from Dennis Township with 4.9.                   | No damages reported. Two municipal building and school closed. |



EM = Emergency Declaration (FEMA)  
FEMA = Federal Emergency Management Agency  
DR = Major Disaster Declaration (FEMA)  
N/A = Not applicable

### 6.6.3 HAZARD RANKING AND VULNERABILITIES

The hazard profiles in Volume I have detailed information regarding each planning partner's vulnerability to the identified hazards. The following presents key risk assessment results for Dennis .

#### 6.6.3.1 HAZARD RANKING

The participating jurisdictions have differing degrees of vulnerability to the hazards of concern, so each jurisdiction ranked its own degree of risk to each hazard. The community-specific hazard ranking is based on problems and impacts identified by the risk assessment presented in Volume I. The ranking process involves an assessment of the likelihood of occurrence for each hazard; the potential impacts of the hazard on people, property, and the economy; community capabilities to address the hazard; and changing future climate conditions. Dennis reviewed the County hazard ranking and individual results to assess the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Township indicated the following:

- None identified.

Table 6-15 shows Dennis's final hazard rankings for identified hazards of concern. Mitigation action development uses the ranking to target hazards with the highest risk.

**Table 6-15. Hazard Ranking**

| Hazard                | Rank   |
|-----------------------|--------|
| Dam Failure           | Medium |
| Drought               | Medium |
| Earthquake            | Low    |
| Extreme Temperature   | Medium |
| Flood                 | Medium |
| Severe Weather        | High   |
| Severe Winter Weather | Medium |
| Wildfire              | High   |

*Note: The scale is based on the hazard rankings established in Volume I, modified as appropriate based on review by the jurisdiction*

#### 6.6.3.2 CRITICAL FACILITIES

Table 6-16 identifies critical facilities in the community located in the 1 percent and 0.2 percent annual chance floodplains.


**Table 6-16. Critical Facilities Flood Vulnerability**

| Name                                | Type                 | Vulnerability             |                             |
|-------------------------------------|----------------------|---------------------------|-----------------------------|
|                                     |                      | 1% Annual<br>Chance Event | 0.2% Annual<br>Chance Event |
| No Name                             | Communications Tower | N                         | N                           |
| No Name                             | Communications Tower | N                         | N                           |
| No Name                             | Communications Tower | Y                         | Y                           |
| No Name                             | Communications Tower | N                         | N                           |
| No Name                             | Communications Tower | Y                         | Y                           |
| No Name                             | Communications Tower | Y                         | Y                           |
| No Name                             | Communications Tower | N                         | N                           |
| No Name                             | Communications Tower | N                         | N                           |
| No Name                             | Communications Tower | N                         | N                           |
| Ludlams Thorofare Bridge            | Bridge               | Y                         | Y                           |
| DENNIS VOLUNTEER FIRE COMPANY       | Fire Station         | N                         | N                           |
| BELLEPLAIN VOLUNTEER FIRE COMPANY   | Fire Station         | N                         | N                           |
| OCEAN VIEW VOLUNTEER FIRE COMPANY   | Fire Station         | N                         | N                           |
| Minmar Marine Basin                 | Marina               | Y                         | Y                           |
| Larsen's Marina                     | Marina               | Y                         | Y                           |
| East Creek Manor                    | Senior Care          | N                         | Y                           |
| Autumn Lake Healthcare at Oceanview | Senior Care          | N                         | N                           |
| SEA ISLE CAUSEWAY BRIDGE            | Bridge               | Y                         | Y                           |
| BELLEPLAIN EMERGENCY SQUAD          | EMS                  | N                         | N                           |
| Dennis Township                     | Municipal Hall       | N                         | N                           |
| OCEAN VIEW SERVICE AREA             | Well                 | Y                         | Y                           |
| AVALON CAMPGROUND WELL #6           | Well                 | N                         | N                           |
| AVALON CAMPGROUND WELL #7           | Well                 | N                         | N                           |
| AVALON CAMPGROUND WELL #8           | Well                 | N                         | N                           |
| BISHIP MC HUGH CATHOLIC SCHOOL      | Well                 | N                         | N                           |
| OCEAN VIEW PLAZA/LITTLE             | Well                 | N                         | N                           |
| BAYSHORE PIZZA                      | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |
| OCEAN VIEW CG – WELL                | Well                 | N                         | N                           |



| Name                              | Type                    | Vulnerability          |                          |
|-----------------------------------|-------------------------|------------------------|--------------------------|
|                                   |                         | 1% Annual Chance Event | 0.2% Annual Chance Event |
| OUTDOOR WORLD LAKE & SHORE WEL    | Well                    | N                      | N                        |
| DENNIS TOWNSHIP RECREATION CTR    | Well                    | N                      | N                        |
| JERSEY SHORE HAVEN CG-SU          | Well                    | N                      | N                        |
| HOLLY LAKE CAMPGROUND             | Well                    | N                      | N                        |
| DENNISVILLE LAKE CG – WE          | Well                    | N                      | N                        |
| BELLEPLAIN STATE FOREST           | Well                    | N                      | N                        |
| BELLEPLAIN STATE FOREST-          | Well                    | N                      | N                        |
| LITTLE OAKS CAMPGROUND            | Well                    | N                      | N                        |
| Magnolia Lake Dam                 | Dam                     | Y                      | Y                        |
| East Creek Pond Dam               | Dam                     | N                      | Y                        |
| West Creek Dam                    | Dam                     | Y                      | Y                        |
| Meisle (Nummy) Lake Dam           | Dam                     | N                      | N                        |
| Ludlam Pond Dam                   | Dam                     | N                      | Y                        |
| Johnson Pond Dam                  | Dam                     | N                      | N                        |
| CMCMUA                            | Wastewater Pump Station | N                      | N                        |
| Bishop Mchugh Regional School     | Primary Education       | N                      | N                        |
| Dennis Township Middle School     | Primary Education       | N                      | N                        |
| Dennis Township Elementary School | Primary Education       | N                      | N                        |
| DENNIS TWP MUNICIPAL COMPLEX      | Polling Site            | N                      | N                        |
| OCEAN VIEW FIRE HALL              | Polling Site            | N                      | N                        |
| BELLEPLAIN VFW POST 6257          | Polling Site            | N                      | N                        |
| BELLEPLAIN EMERGENCY CORP         | Polling Site            | N                      | N                        |
| SOUTH SEAVILLE FIRE HALL          | Polling Site            | N                      | N                        |

Source: Cape May County 2022, 2024; HIFLD 2024; USACE 2024

In addition to critical facilities that are exposed to flooding, the following dams and high hazard dams are located in Dennis:

- Magnolia Lake Dam
- East Creek Pond Dam
- West Creek Dam
- Meisle (Nummy) Lake Dam
- Ludlam Pond Dam
- Johnson Pond Dam



#### 6.6.4 IDENTIFIED ISSUES

After review of Dennis’s hazard event history, hazard rankings, hazard location, and current capabilities, Dennis identified the following vulnerabilities within the community:

- The Township has two remaining unmitigated properties.
- Water wells are needed at Ocean Fire Station #1 and the Dennisville Fire House to increase response capabilities.
- Backup power sources are necessary to maintain critical services for critical facilities. Academy Lane and Hagan Road Schools which are both designated ‘Shelters of Last Resort’ lack backup power sources. Message boards are needed to conduct outreach and emergency messaging in the Township.
- The Township requires a Drain Vac Truck to clean storm drains of silt and debris to prevent stormwater flooding.
- The Township lacks a debris management plan.
- Falling trees result in power losses due to damage on wires.

### 6.7 MITIGATION STRATEGY AND PRIORITIZATION

This section discusses the status of mitigation actions from the previous HMP, describes proposed hazard mitigation actions, and prioritizes actions to address over the next five years.

#### 6.7.1 PAST MITIGATION ACTION STATUS

Table 6-17 indicates progress on the Township’s mitigation strategy identified in the 2017 HMP. Actions that are still recommended but not completed or that are in progress are carried forward and combined with new actions as part of the mitigation strategy for this plan update. Previous actions that are now ongoing programs and capabilities are indicated as such and are presented in the capability assessment earlier in this annex.

#### 6.7.2 ADDITIONAL MITIGATION EFFORTS

In addition to the mitigation actions completed in Table 6-17, Dennis identified the following mitigation efforts completed since the last HMP:

- 2021-Dennis-006: The Township developed and adopted a Disaster Debris Management Plan.

Since the adoption of the County’s first HMP, Dennis has made significant mitigation progress in the following areas:

- 2021-Dennis-004: The State of New Jersey has installed a message board on Route 47 at Mile Post 20.5N. No additional message boards have been funded or installed at this time.
- 2021-Dennis-005: The truck has been purchased but has not yet been delivered. The expected delivery date is in the first quarter of 2025.



*Table 6-17. Status of Previous Mitigation Actions*

| Project Number  | Project Name             | Hazard(s) Addressed | Responsible Party                                      | Brief Summary of the Original Problem and the Solution (Project)                                                                                                                                                                                                                                                                                                                                                                                                                                  | Action Review<br>1. Status (In Progress, Ongoing Capability, No Progress, Complete)<br>2. Provide a narrative to describe progress or obstacles that have prevented implementation                                                                                                                                                                                                                                                        | Next Steps<br>1. Project to be included in the 2024 HMP or Discontinue<br>2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why. |
|-----------------|--------------------------|---------------------|--------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-Dennis-001 | Mitigate Repetitive Loss |                     | NFIP Floodplain Administrator, supported by homeowners | <p>Problem: The Township has two remaining unmitigated properties.</p> <p>Solution: The Township will conduct outreach to the two RL/SRL property owners and provide information on property acquisition or relocation. The Township will collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving residential homes in the flood prone areas that experience frequent flooding (high risk areas).</p> | <p>1. In progress</p> <p>2. The Township will conduct outreach to the two RL/SRL property owners and provide information on property acquisition or relocation. The Township will collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving residential homes in the flood prone areas that experience frequent flooding (high risk areas).</p> | <p>1. Include</p> <p>2. Keep as is</p> <p>3. N/A</p>                                                                                                                                                     |





| Project Number  | Project Name                  | Hazard(s) Addressed | Responsible Party | Brief Summary of the Original Problem and the Solution (Project)                                                                                                                                                                                                                                                                                                                                                                            | Action Review<br>1. Status (In Progress, Ongoing Capability, No Progress, Complete)<br>2. Provide a narrative to describe progress or obstacles that have prevented implementation                                                          | Next Steps<br>1. Project to be included in the 2024 HMP or Discontinue<br>2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why. |
|-----------------|-------------------------------|---------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-Dennis-002 | Water Wells for Fire Stations |                     | Fire Department   | <p>Problem: Water wells are needed at Ocean Fire Station #1 and the Dennisville Fire House to increase response capabilities.</p> <p>Solution: The Township will install water wells at each fire station.</p>                                                                                                                                                                                                                              | <p>1. In progress</p> <p>2. The Township is currently identifying funding sources to support this mitigation action for each fire station.</p>                                                                                              | <p>1. Include</p> <p>2. Keep as is.</p> <p>3. N/A</p>                                                                                                                                                    |
| 2021-Dennis-003 | Generators for Shelters       |                     | OEM, Engineer     | <p>Problem: Backup power sources are necessary to maintain critical services for critical facilities. Academy Lane and Hagan Road Schools which are both designated 'Shelters of Last Resort' lack backup power sources.</p> <p>Solution: The Township will research the appropriately sized generators for each facility. The Township will then purchase and install generators and necessary electrical components for both schools.</p> | <p>1. In progress</p> <p>2. The Township will seek funding to purchase the appropriate sized generators for each facility. The Township will then purchase and install generators and necessary electrical components for both schools.</p> | <p>1. Include</p> <p>2. Keep as is</p> <p>3. N/A</p>                                                                                                                                                     |





| Project Number  | Project Name            | Hazard(s) Addressed | Responsible Party | Brief Summary of the Original Problem and the Solution (Project)                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Action Review<br>1. Status (In Progress, Ongoing Capability, No Progress, Complete)<br>2. Provide a narrative to describe progress or obstacles that have prevented implementation                                                                                                                                                                                                                                                                                                                 | Next Steps<br>1. Project to be included in the 2024 HMP or Discontinue<br>2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why. |
|-----------------|-------------------------|---------------------|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-Dennis-004 | Variable Message Boards |                     | OEM               | <p>Problem: Message boards are needed to conduct outreach and emergency messaging in the Township.</p> <p>Solution: The Township will purchase and permanently install variable message boards to advise of traffic, alternate routes/detours due to accidents / flooding / wildfire events/other hazardous conditions along the following Routes through the Township which serve as major evacuation routes:</p> <ul style="list-style-type: none"> <li>• 550</li> <li>• 347</li> <li>• 47</li> <li>• 83</li> </ul> | <p>1. In progress</p> <p>2. The state as currently installed one message board on Route 47 at Mile Post 20.5N. The Township will purchase and permanently install variable message boards to advise of traffic, alternate routes/detours due to accidents / flooding / wildfire events/other hazardous conditions along the following Routes through the Township which serve as major evacuation routes:</p> <ul style="list-style-type: none"> <li>• 550</li> <li>• 347</li> <li>• 83</li> </ul> | <p>1. Include</p> <p>2. Keep as is</p> <p>3. N/A</p>                                                                                                                                                     |





| Project Number  | Project Name                    | Hazard(s) Addressed | Responsible Party | Brief Summary of the Original Problem and the Solution (Project)                                                                                                                                                                     | Action Review<br>1. Status (In Progress, Ongoing Capability, No Progress, Complete)<br>2. Provide a narrative to describe progress or obstacles that have prevented implementation | Next Steps<br>1. Project to be included in the 2024 HMP or Discontinue<br>2. If including action in the 2024 HMP, revise/reword to be more specific (as appropriate).<br>3. If discontinue, explain why. |
|-----------------|---------------------------------|---------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2021-Dennis-005 | Drain Vac Truck                 |                     | DPW               | Problem: The Township requires a Drain Vac Truck to clean storm drains of silt and debris to prevent stormwater flooding.<br><br>Solution: The Township will purchase a Drain Vac Truck and utilize for regular stormwater cleaning. | 1. Completed<br>2. Truck was purchased and was delivered by 1 <sup>st</sup> quarter 2025.                                                                                          | 1. Discontinue<br>2. N/A<br>3. N/A                                                                                                                                                                       |
| 2021-Dennis-006 | Disaster Debris Management Plan |                     | Administration    | Problem: The Township lacks a debris management plan.<br><br>Solution: The Township will develop and adopt a Disaster Debris Management Plan.                                                                                        | 1. Completed<br>2. N/A                                                                                                                                                             | 1. Discontinue<br>2. N/A<br>3. Project completed                                                                                                                                                         |
| 2021-Dennis-007 | Vegetation Management Program   |                     | DPW               | Problem: Falling trees result in power losses due to damage on wires.<br><br>Solution: The Township will develop a vegetation management program.                                                                                    | 1. In progress<br>2. The Township is currently identifying funding sources and additional staff to develop a vegetation management program.                                        | 1. Include<br>2. Keep as is<br>3. N/A                                                                                                                                                                    |





### 6.7.3 PROPOSED HAZARD MITIGATION ACTIONS FOR THE HMP UPDATE

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Dennis participated in the mitigation strategy workshop for this HMP to identify appropriate actions to include in a local hazard mitigation strategy. Its comprehensive consideration of all possible activities to address hazards of concern included review of the following FEMA documents:

- FEMA 551 “Selecting Appropriate Mitigation Measures for Floodprone Structures” (March 2007)
- FEMA “Mitigation Ideas—A Resource for Reducing Risk to Natural Hazards” (January 2013).

The action worksheets included at the end of this annex list the mitigation actions that Dennis would like to pursue in the future to reduce the effects of hazards. The actions are dependent upon available funding (grants and local match availability) and may be modified or omitted at any time based on the occurrence of new hazard events and changes in Township priorities.

Table 6-18 indicates the range of proposed mitigation action categories. The four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table to further demonstrate the wide range of activities and mitigation measures selected.

Volume I identifies 14 evaluation criteria for prioritizing the mitigation actions. To assist with rating each mitigation action as high, medium, or low priority, a numeric rank is assigned (-1, 0, or 1) for each of the evaluation criteria. Table 6-19 provides a summary of the prioritization of all proposed mitigation actions for the HMP update.


**Table 6-18. Analysis of Mitigation Actions by Hazard and Category**

| Hazard                | Actions That Address the Hazard, by Action Category |     |     |     |     |    |    |    |    |    |
|-----------------------|-----------------------------------------------------|-----|-----|-----|-----|----|----|----|----|----|
|                       | FEMA                                                |     |     |     | CRS |    |    |    |    |    |
|                       | LPR                                                 | SIP | NSP | EAP | PR  | PP | PI | NR | SP | ES |
| Dam Failure           |                                                     | X   |     | X   |     |    | X  |    |    | X  |
| Drought               |                                                     | X   |     | X   | X   | X  | X  |    |    | X  |
| Earthquake            |                                                     | X   |     | X   |     |    | X  |    |    | X  |
| Extreme Temperature   |                                                     | X   |     | X   |     | X  | X  |    |    | X  |
| Flood                 | X                                                   | X   | X   | X   | X   | X  | X  | X  |    | X  |
| Severe Weather        | X                                                   | X   | X   | X   | X   | X  | X  | X  |    | X  |
| Severe Winter Weather |                                                     | X   | X   | X   |     | X  | X  | X  |    | X  |
| Wildfire              |                                                     | X   |     | X   |     | X  | X  |    |    | X  |

**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 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

**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. Such 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. These 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. Such 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



Table 6-19. Summary of Prioritization of Actions

| Project Number  | Project Name                     | Scores for Evaluation Criteria |                     |                    |           |       |        |               |                      |                |                    |                |          |                     |                        |       | High / Medium / Low |
|-----------------|----------------------------------|--------------------------------|---------------------|--------------------|-----------|-------|--------|---------------|----------------------|----------------|--------------------|----------------|----------|---------------------|------------------------|-------|---------------------|
|                 |                                  | Life Safety                    | Property Protection | Cost-Effectiveness | Political | Legal | Fiscal | Environmental | Social Vulnerability | Administrative | Hazards of Concern | Climate Change | Timeline | Community Lifelines | Other Local Objectives | Total |                     |
| 2025-Dennis-001 | Mitigate Repetitive Loss         | 1                              | 1                   | 1                  | 1         | 1     | 1      | 1             | 1                    | 0              | 0                  | 1              | 0        | 1                   | 1                      | 11    | High                |
| 2025-Dennis-002 | Water Wells for Fire Stations    | 1                              | 0                   | 1                  | 1         | 1     | 1      | 0             | 1                    | 1              | 1                  | 1              | 0        | 1                   | 1                      | 12    | High                |
| 2025-Dennis-003 | Generators for Shelters          | 1                              | 1                   | 1                  | 1         | 1     | 1      | 0             | 1                    | 1              | 1                  | 0              | 1        | 1                   | 1                      | 12    | High                |
| 2025-Dennis-004 | Variable Message Boards          | 1                              | 1                   | 1                  | 1         | 1     | 1      | 0             | 1                    | 1              | 1                  | 1              | 0        | 1                   | 1                      | 12    | High                |
| 2025-Dennis-005 | Drain Vac Truck                  | 0                              | 1                   | 1                  | 1         | 1     | 1      | 1             | 1                    | 1              | 1                  | 1              | 0        | 1                   | 1                      | 12    | High                |
| 2025-Dennis-007 | Vegetation Management Program    | 1                              | 1                   | 1                  | 1         | 1     | 1      | 1             | 1                    | 1              | 1                  | 1              | 1        | 1                   | 1                      | 14    | High                |
| 2025-Dennis-008 | Comprehensive Water Supply Plans | 0                              | 1                   | 1                  | 1         | 1     | 1      | 1             | 1                    | 1              | 1                  | 1              | 1        | 1                   | 1                      | 13    | High                |
| 2025-Dennis-009 | Install High Capacity Wells      | 1                              | 1                   | 1                  | 1         | 1     | 1      | 0             | 1                    | 1              | 1                  | 1              | 0        | 1                   | 1                      | 12    | High                |
| 2025-Dennis-010 | Schools Backup Power             | 1                              | 1                   | 1                  | 1         | 1     | 1      | 1             | 1                    | 1              | 1                  | 1              | 0        | 1                   | 1                      | 12    | High                |





| Project Number  | Project Name                           | Scores for Evaluation Criteria |          |                    |           |       |        |               |        |                |                    |                |          |           |             |       | High / Medium / Low |
|-----------------|----------------------------------------|--------------------------------|----------|--------------------|-----------|-------|--------|---------------|--------|----------------|--------------------|----------------|----------|-----------|-------------|-------|---------------------|
|                 |                                        | Life Safety                    | Property | Cost-Effectiveness | Political | Legal | Fiscal | Environmental | Social | Administrative | Hazards of Concern | Climate Change | Timeline | Community | Other Local | Total |                     |
| 2025-Dennis-011 | Stormdrain Maintenance Program         | 0                              | 1        | 1                  | 1         | 1     | 1      | 1             | 1      | 1              | 1                  | 1              | 1        | 1         | 1           | 13    | High                |
| 2025-Dennis-012 | Repetitive Loss Mitigation             | 1                              | 1        | 1                  | 1         | 1     | 1      | 0             | 1      | 0              | 0                  | 1              | 0        | 1         | 1           | 11    | High                |
| 2025-Dennis-013 | Retrofit Sheltering Buildings          | 1                              | 1        | 1                  | 1         | 1     | 1      | 0             | 1      | 1              | 1                  | 1              | 0        | 1         | 1           | 12    | High                |
| 2025-Dennis-014 | Update All Emergency/Contingency Plans | 1                              | 1        | 0                  | 1         | 0     | 0      | 0             | 1      | 1              | 1                  | 1              | 1        | 1         | 1           | 10    | Medium              |
| 2025-Dennis-015 | Code Red Public Education Campaign     | 1                              | 0        | 1                  | 0         | 1     | 0      | 1             | 1      | 1              | 1                  | 1              | 1        | 1         | 1           | 11    | High                |

Note: Volume I, Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-6), Medium (7-10), High (11-14).





**Action 2025-Dennis-01. Mitigate Repetitive Loss Worksheet**

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                      |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | NFIP Floodplain Administrator                                                                                                                                                                                                                                                                                                                                                                             |                                                                                      |
| <b>Supporting Agencies:</b>                       | Homeowners                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                      |
| <b>Hazards of Concern:</b>                        | Flood, Severe Weather                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |
| <b>Description of the Problem:</b>                | The Township has two remaining unmitigated properties that repeatedly flood, incurring frequent, costly damages and multiple NFIP claims. Despite prior mitigation efforts, these sites remain highly vulnerable during heavy rain, tides, and storm surges, jeopardizing residents and incurring ongoing financial costs.                                                                                |                                                                                      |
| <b>Description of the Solution:</b>               | The Township will conduct outreach to the two RL/SRL property owners and provide information on property acquisition or relocation. The Township will collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving residential homes in the flood prone areas that experience frequent flooding (high risk areas). |                                                                                      |
| <b>Estimated Cost:</b>                            | Medium                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
| <b>Potential Funding Sources:</b>                 | FEMA HMGP and FMA, local cost share by residents                                                                                                                                                                                                                                                                                                                                                          |                                                                                      |
| <b>Implementation Timeline:</b>                   | Within 3 years                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                      |
| <b>Goals Met:</b>                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                      |
| <b>Benefits:</b>                                  | Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.                                                                                                                                                                                                                                                                                         |                                                                                      |
| <b>Impact on Socially Vulnerable Populations:</b> | This action focuses on residents with repetitive losses, who are sometimes in economically vulnerable areas.                                                                                                                                                                                                                                                                                              |                                                                                      |
| <b>Impact on Future Development:</b>              | Guides development away from high-risk flood zones.                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Protects housing infrastructure but not direct lifelines.                                                                                                                                                                                                                                                                                                                                                 |                                                                                      |
| <b>Impact on Capabilities:</b>                    | Improves overall community resilience by reducing repeat flood losses.                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
| <b>Climate Change Considerations:</b>             | Reduces future losses from intensified flooding due to climate change.                                                                                                                                                                                                                                                                                                                                    |                                                                                      |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                                                                                                                                                                                                                     |                                                                                      |
| <b>CRS Category</b>                               | Property Protection                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                      |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                      |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                                                             | <b>Evaluation</b>                                                                    |
|                                                   | No action                                                                                                                                                                                                                                                                                                                                                                                                 | Repetitive loss properties remain vulnerable.                                        |
|                                                   | Elevate the repetitive loss properties                                                                                                                                                                                                                                                                                                                                                                    | This could potentially place residents at risk during severe weather events.         |
|                                                   | Offer voluntary acquisition                                                                                                                                                                                                                                                                                                                                                                               | Residents may not support this option and it may reduce the tax base of the borough. |



**Action 2025-Dennis-02. Water Wells for Fire Stations Worksheet**

|                                                   |                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                         |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Fire Department                                                                                                                                                                                                                                                                                                                                                            |                                                                                                         |
| <b>Supporting Agencies:</b>                       | -                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                         |
| <b>Hazards of Concern:</b>                        | Drought, Wildfire                                                                                                                                                                                                                                                                                                                                                          |                                                                                                         |
| <b>Description of the Problem:</b>                | Ocean Fire Station #1 and the Dennisville Fire House currently lack dedicated water wells, limiting their ability to respond effectively to fire emergencies, particularly in areas with low hydrant coverage or during water supply disruptions. Reliable on-site water sources are essential to maintaining operational readiness and to increase response capabilities. |                                                                                                         |
| <b>Description of the Solution:</b>               | The Township will install water wells at each fire station.                                                                                                                                                                                                                                                                                                                |                                                                                                         |
| <b>Estimated Cost:</b>                            | High                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |
| <b>Potential Funding Sources:</b>                 | Community Facilities Grant Program, Assistance to Firefighters Grant Program                                                                                                                                                                                                                                                                                               |                                                                                                         |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                                                                                                                                                                             |                                                                                                         |
| <b>Goals Met:</b>                                 | 3, 4                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |
| <b>Benefits:</b>                                  | Increased emergency response capabilities                                                                                                                                                                                                                                                                                                                                  |                                                                                                         |
| <b>Impact on Socially Vulnerable Populations:</b> | Improves fire response in underserved and rural areas that are more vulnerable during drought and wildfire events.                                                                                                                                                                                                                                                         |                                                                                                         |
| <b>Impact on Future Development:</b>              | enhances safety in developing areas and can be a factor in fire insurance ratings.                                                                                                                                                                                                                                                                                         |                                                                                                         |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Strengthens the firefighting capacity of key emergency services infrastructure.                                                                                                                                                                                                                                                                                            |                                                                                                         |
| <b>Impact on Capabilities:</b>                    | Significantly enhances readiness and self-sufficiency of fire stations during drought and wildfire events.                                                                                                                                                                                                                                                                 |                                                                                                         |
| <b>Climate Change Considerations:</b>             | Supports long-term adaptation to more frequent and severe droughts and wildfires linked to climate change.                                                                                                                                                                                                                                                                 |                                                                                                         |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                                                                                                                                                                                      |                                                                                                         |
| <b>CRS Category</b>                               | Emergency Services                                                                                                                                                                                                                                                                                                                                                         |                                                                                                         |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                         |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                              | <b>Evaluation</b>                                                                                       |
|                                                   | No action                                                                                                                                                                                                                                                                                                                                                                  | -                                                                                                       |
|                                                   | Install large-capacity above-ground storage tanks at fire stations                                                                                                                                                                                                                                                                                                         | May be more cost-effective and quicker to implement, but less sustainable and dependent on refills      |
|                                                   | Establish water-sharing agreements with nearby municipal or private wells                                                                                                                                                                                                                                                                                                  | Could reduce upfront costs but may limit reliability during emergencies and involve legal complexities. |



***Action 2025-Dennis-03 Generators for Shelters***

|                                                   |                                                                                                                                                                                                              |                                                                                     |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | OEM                                                                                                                                                                                                          |                                                                                     |
| <b>Supporting Agencies:</b>                       | Engineer                                                                                                                                                                                                     |                                                                                     |
| <b>Hazards of Concern:</b>                        | All Hazards                                                                                                                                                                                                  |                                                                                     |
| <b>Description of the Problem:</b>                | Backup power sources are necessary to maintain critical services for critical facilities. Academy Lane and Hagon Road Schools which are both designated 'Shelters of Last Resort' lack backup power sources. |                                                                                     |
| <b>Description of the Solution:</b>               | The Township will research the appropriately sized generators for each facility. The Township will then purchase and install generators and necessary electrical components for both schools.                |                                                                                     |
| <b>Estimated Cost:</b>                            | Medium                                                                                                                                                                                                       |                                                                                     |
| <b>Potential Funding Sources:</b>                 | HMGP, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget                                                                                      |                                                                                     |
| <b>Implementation Timeline:</b>                   | Within 1 year                                                                                                                                                                                                |                                                                                     |
| <b>Goals Met:</b>                                 | 1, 3, 4                                                                                                                                                                                                      |                                                                                     |
| <b>Benefits:</b>                                  | High Continuity of sheltering services                                                                                                                                                                       |                                                                                     |
| <b>Impact on Socially Vulnerable Populations:</b> | Ensures that shelters serving vulnerable populations remain operational during emergencies.                                                                                                                  |                                                                                     |
| <b>Impact on Future Development:</b>              | Minimal direct impact, though it supports resilience planning for future development.                                                                                                                        |                                                                                     |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Maintains functionality of designated emergency shelters during outages.                                                                                                                                     |                                                                                     |
| <b>Impact on Capabilities:</b>                    | Greatly improves emergency response and continuity of shelter operations.                                                                                                                                    |                                                                                     |
| <b>Climate Change Considerations:</b>             | Addresses increased frequency of outages and severe weather caused by climate-related disruptions.                                                                                                           |                                                                                     |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                        |                                                                                     |
| <b>CRS Category</b>                               | Emergency Services                                                                                                                                                                                           |                                                                                     |
| <b>Priority</b>                                   | High                                                                                                                                                                                                         |                                                                                     |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                | <b>Evaluation</b>                                                                   |
|                                                   | No action                                                                                                                                                                                                    | -                                                                                   |
|                                                   | Install solar panels with battery storage for off-grid power support                                                                                                                                         | Renewable, long-term cost-effective, but higher upfront cost and complex permitting |
|                                                   | Relocate shelters to schools or facilities that already have generators                                                                                                                                      | Lower cost but may not be feasible depending on location, access, and capacity      |



**Action 2025-Dennis-04 Variable Message Boards**

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                               |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | OEM                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                               |
| <b>Supporting Agencies:</b>                       | -                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                               |
| <b>Hazards of Concern:</b>                        | All hazards                                                                                                                                                                                                                                                                                                                                                                                          |                                                                               |
| <b>Description of the Problem:</b>                | The Township currently lacks portable or fixed message boards to support effective public outreach and emergency communication. In areas with limited internet access or during power outages, physical message boards are needed to conduct outreach and emergency messaging in the Township.                                                                                                       |                                                                               |
| <b>Description of the Solution:</b>               | <p>The Township will purchase and permanently install variable message boards to advise of traffic, alternate routes/detours due to accidents / flooding / wildfire events/other hazardous conditions along the following Routes through the Township which serve as major evacuation routes:</p> <ul style="list-style-type: none"> <li>• 550</li> <li>• 347</li> <li>• 47</li> <li>• 83</li> </ul> |                                                                               |
| <b>Estimated Cost:</b>                            | Medium                                                                                                                                                                                                                                                                                                                                                                                               |                                                                               |
| <b>Potential Funding Sources:</b>                 | Emergency Management Performance Grants (EMPG) Program, Municipal Budget                                                                                                                                                                                                                                                                                                                             |                                                                               |
| <b>Implementation Timeline:</b>                   | Within 3 years                                                                                                                                                                                                                                                                                                                                                                                       |                                                                               |
| <b>Goals Met:</b>                                 | 2, 3, 4                                                                                                                                                                                                                                                                                                                                                                                              |                                                                               |
| <b>Benefits:</b>                                  | Increased emergency messaging                                                                                                                                                                                                                                                                                                                                                                        |                                                                               |
| <b>Impact on Socially Vulnerable Populations:</b> | Improves access to timely emergency notifications for populations who may lack access to traditional alert systems.                                                                                                                                                                                                                                                                                  |                                                                               |
| <b>Impact on Future Development:</b>              | supports safer conditions during development and emergencies.                                                                                                                                                                                                                                                                                                                                        |                                                                               |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Improves public communication near lifelines and evacuation routes.                                                                                                                                                                                                                                                                                                                                  |                                                                               |
| <b>Impact on Capabilities:</b>                    | Township's ability to disseminate real-time emergency information.                                                                                                                                                                                                                                                                                                                                   |                                                                               |
| <b>Climate Change Considerations:</b>             | Supports adaptive response to increased frequency of extreme weather events linked to climate change.                                                                                                                                                                                                                                                                                                |                                                                               |
| <b>Mitigation Category</b>                        | Education and Awareness Programs                                                                                                                                                                                                                                                                                                                                                                     |                                                                               |
| <b>CRS Category</b>                               | Public Information, Emergency Services                                                                                                                                                                                                                                                                                                                                                               |                                                                               |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                               |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                                                        | <b>Evaluation</b>                                                             |
|                                                   | No action                                                                                                                                                                                                                                                                                                                                                                                            | -                                                                             |
|                                                   | Use portable message boards during emergencies                                                                                                                                                                                                                                                                                                                                                       | Lower upfront cost, but requires rapid deployment and may delay response.     |
|                                                   | Develop an emergency text alert system as primary messaging tool                                                                                                                                                                                                                                                                                                                                     | Cost-effective and fast, but may not reach travelers or those without devices |



**Action 2025-Dennis-05 Drain Vac Truck**

|                                                   |                                                                                                                                                                                                                                                                |                                                               |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Dennis Public Works                                                                                                                                                                                                                                            |                                                               |
| <b>Supporting Agencies:</b>                       | -                                                                                                                                                                                                                                                              |                                                               |
| <b>Hazards of Concern:</b>                        | Flood, Severe Weather                                                                                                                                                                                                                                          |                                                               |
| <b>Description of the Problem:</b>                | The Township requires a Drain Vac Truck to clean storm drains of silt and debris to prevent stormwater flooding, road hazards, and infrastructure damage, especially after heavy rain or leaf fall. This will improve flood control and stormwater management. |                                                               |
| <b>Description of the Solution:</b>               | The Township will purchase a Drain Vac Truck and utilize for regular stormwater cleaning.                                                                                                                                                                      |                                                               |
| <b>Estimated Cost:</b>                            | Medium                                                                                                                                                                                                                                                         |                                                               |
| <b>Potential Funding Sources:</b>                 | Capital budget                                                                                                                                                                                                                                                 |                                                               |
| <b>Implementation Timeline:</b>                   | Within 4 years                                                                                                                                                                                                                                                 |                                                               |
| <b>Goals Met:</b>                                 | 3                                                                                                                                                                                                                                                              |                                                               |
| <b>Benefits:</b>                                  | Enhancement of public works capabilities leading to a reduction in stormwater flood risk.                                                                                                                                                                      |                                                               |
| <b>Impact on Socially Vulnerable Populations:</b> | Indirectly reduces flood exposure in areas that may include vulnerable populations by maintaining clear storm drains.                                                                                                                                          |                                                               |
| <b>Impact on Future Development:</b>              | Support safe development by maintaining stormwater infrastructure.                                                                                                                                                                                             |                                                               |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Helps protect roadways and access routes from flood-related closures.                                                                                                                                                                                          |                                                               |
| <b>Impact on Capabilities:</b>                    | Increases operational efficiency and response capacity for stormwater management.                                                                                                                                                                              |                                                               |
| <b>Climate Change Considerations:</b>             | Supports adaptation by addressing more frequent and intense rainfall events tied to climate change.                                                                                                                                                            |                                                               |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Project                                                                                                                                                                                                                           |                                                               |
| <b>CRS Category</b>                               | Preventative Measures                                                                                                                                                                                                                                          |                                                               |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                                           |                                                               |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                                  | <b>Evaluation</b>                                             |
|                                                   | No action                                                                                                                                                                                                                                                      | -                                                             |
|                                                   | Rely on subcontractors for routine drain cleaning                                                                                                                                                                                                              | Limits control and availability and may incur higher expenses |
|                                                   | Purchase trailer vac systems                                                                                                                                                                                                                                   | Less efficient for large-scale operations                     |



**Action 2025-Dennis-07 Vegetation Management Program**

|                                                   |                                                                                                                                                                                                                                          |                                                                                                        |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                                                  |                                                                                                        |
| <b>Supporting Agencies:</b>                       | -                                                                                                                                                                                                                                        |                                                                                                        |
| <b>Hazards of Concern:</b>                        | Severe Weather, Severe Winter Weather                                                                                                                                                                                                    |                                                                                                        |
| <b>Description of the Problem:</b>                | Falling trees and large limbs continue to pose a serious threat to public safety and infrastructure throughout the Township, frequently resulting in power losses due to damage on wires and road closures due to trees across roadways. |                                                                                                        |
| <b>Description of the Solution:</b>               | The Township will develop a vegetation management program.                                                                                                                                                                               |                                                                                                        |
| <b>Estimated Cost:</b>                            | Low                                                                                                                                                                                                                                      |                                                                                                        |
| <b>Potential Funding Sources:</b>                 | HMGP, Municipal budget                                                                                                                                                                                                                   |                                                                                                        |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                                           |                                                                                                        |
| <b>Goals Met:</b>                                 | 1, 5                                                                                                                                                                                                                                     |                                                                                                        |
| <b>Benefits:</b>                                  | Prevents outages and road blockages, improves emergency response, reduces clean up and recovery time.                                                                                                                                    |                                                                                                        |
| <b>Impact on Socially Vulnerable Populations:</b> | Ensures uninterrupted power supply to dependent individuals and maintains access for emergency responders.                                                                                                                               |                                                                                                        |
| <b>Impact on Future Development:</b>              | Encourages proactive design for infrastructure protection near wooded or tree-lined areas.                                                                                                                                               |                                                                                                        |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Reduces power outages that affect hospitals, shelters, and other critical facilities.                                                                                                                                                    |                                                                                                        |
| <b>Impact on Capabilities:</b>                    | Enhances maintenance readiness and reduces emergency clearing operations.                                                                                                                                                                |                                                                                                        |
| <b>Climate Change Considerations:</b>             | Addresses increased storm frequency and wind events associated with changing climate patterns.                                                                                                                                           |                                                                                                        |
| <b>Mitigation Category</b>                        | Natural Systems Protection                                                                                                                                                                                                               |                                                                                                        |
| <b>CRS Category</b>                               | Emergency Services, Public Information                                                                                                                                                                                                   |                                                                                                        |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                     |                                                                                                        |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                            | <b>Evaluation</b>                                                                                      |
|                                                   | No action                                                                                                                                                                                                                                | -                                                                                                      |
|                                                   | Trimming only as needed                                                                                                                                                                                                                  | This could lead to high costs for the township and potentially dangerous during extreme weather event. |
|                                                   | Transition utility lines underground                                                                                                                                                                                                     | More resilient but prohibitively expensive and disruptive to install throughout the township.          |



***Action 2025-Dennis-08 Comprehensive Water Supply Plan***

|                                                   |                                                                                                                                                                                                              |                                                         |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                      |                                                         |
| <b>Supporting Agencies:</b>                       | Township Fire Department                                                                                                                                                                                     |                                                         |
| <b>Hazards of Concern:</b>                        | Wildfire, drought                                                                                                                                                                                            |                                                         |
| <b>Description of the Problem:</b>                | No water supply for fires due to no municipal water system.                                                                                                                                                  |                                                         |
| <b>Description of the Solution:</b>               | There are no fire hydrants located within residential areas of Dennis Township. Develop comprehensive water supply plans for various sections of the township to ensure effective firefighting capabilities. |                                                         |
| <b>Estimated Cost:</b>                            | TBD                                                                                                                                                                                                          |                                                         |
| <b>Potential Funding Sources:</b>                 | Municipal Budget                                                                                                                                                                                             |                                                         |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                               |                                                         |
| <b>Goals Met:</b>                                 | 1, 3, 5                                                                                                                                                                                                      |                                                         |
| <b>Benefits:</b>                                  | Expands fire protection coverage, lowers homeowner insurance premiums, and increases emergency response effectiveness.                                                                                       |                                                         |
| <b>Impact on Socially Vulnerable Populations:</b> | Enhances fire safety in vulnerable communities.                                                                                                                                                              |                                                         |
| <b>Impact on Future Development:</b>              | Supports any residential growth by ensuring fire suppression infrastructure is adequate.                                                                                                                     |                                                         |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Improves safety for essential facilities located within these areas.                                                                                                                                         |                                                         |
| <b>Impact on Capabilities:</b>                    | Strengthens firefighting capacity and planning by ensuring reliable and accessible water supply.                                                                                                             |                                                         |
| <b>Climate Change Considerations:</b>             | An increase in drought events would increase communities' fire risk. This action enhances the township's preparedness for frequent and/or intense fire events.                                               |                                                         |
| <b>Mitigation Category</b>                        | Local Plans and Regulations                                                                                                                                                                                  |                                                         |
| <b>CRS Category</b>                               | Emergency Services                                                                                                                                                                                           |                                                         |
| <b>Priority</b>                                   | High                                                                                                                                                                                                         |                                                         |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                | <b>Evaluation</b>                                       |
|                                                   | No action                                                                                                                                                                                                    | -                                                       |
|                                                   | Rely on water tankers                                                                                                                                                                                        | Limited capacity for multiple or large events.          |
|                                                   | Install community cisterns                                                                                                                                                                                   | Would require routine maintenance with limited capacity |



***Action 2025-Dennis-09 Install High Capacity Wells***

|                                                   |                                                                                                                                                                                                                 |                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                         |                                                                     |
| <b>Supporting Agencies:</b>                       | Township Fire Department                                                                                                                                                                                        |                                                                     |
| <b>Hazards of Concern:</b>                        | Wildfire, drought                                                                                                                                                                                               |                                                                     |
| <b>Description of the Problem:</b>                | Dennis Township's residential areas currently lack fire hydrants, leaving emergency responders without immediate access to water during fire events.                                                            |                                                                     |
| <b>Description of the Solution:</b>               | There are no fire hydrants in the residential areas of Dennis Township. It is recommended to install high-capacity wells at strategic locations within the township to facilitate the refilling of fire trucks. |                                                                     |
| <b>Estimated Cost:</b>                            | TBD                                                                                                                                                                                                             |                                                                     |
| <b>Potential Funding Sources:</b>                 | EMPG, Municipal budget                                                                                                                                                                                          |                                                                     |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                  |                                                                     |
| <b>Goals Met:</b>                                 | 1, 3                                                                                                                                                                                                            |                                                                     |
| <b>Benefits:</b>                                  | Provides dependable water access for fire suppression and increases protection for residents and infrastructure.                                                                                                |                                                                     |
| <b>Impact on Socially Vulnerable Populations:</b> | Enhances safety in under-resourced neighborhoods where hydrant installation is constrained.                                                                                                                     |                                                                     |
| <b>Impact on Future Development:</b>              | Supports growth by ensuring emergency water infrastructure is scalable.                                                                                                                                         |                                                                     |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Ensure essential services remain protected from fire risks.                                                                                                                                                     |                                                                     |
| <b>Impact on Capabilities:</b>                    | Increases self-sufficiency of local fire response and reduces reliance on distant water sources.                                                                                                                |                                                                     |
| <b>Climate Change Considerations:</b>             | Ensures resilient water supply for vulnerable areas during droughts or wild fire events.                                                                                                                        |                                                                     |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                           |                                                                     |
| <b>CRS Category</b>                               | Emergency Services                                                                                                                                                                                              |                                                                     |
| <b>Priority</b>                                   | High                                                                                                                                                                                                            |                                                                     |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                   | <b>Evaluation</b>                                                   |
|                                                   | No action                                                                                                                                                                                                       | -                                                                   |
|                                                   | Rely on neighboring departments                                                                                                                                                                                 | May lead to delayed aid and insufficient water during peak demands. |
|                                                   | Install community cisterns                                                                                                                                                                                      | Would require routine maintenance with limited capacity             |



**Action 2025-Dennis-010 Schools Backup Power**

|                                                   |                                                                                                                                                                                                              |                                                                                                        |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | OEM                                                                                                                                                                                                          |                                                                                                        |
| <b>Supporting Agencies:</b>                       | Township Engineer                                                                                                                                                                                            |                                                                                                        |
| <b>Hazards of Concern:</b>                        | Severe Weather, Severe Winter Weather, Extreme Temperature                                                                                                                                                   |                                                                                                        |
| <b>Description of the Problem:</b>                | Backup power sources are necessary to maintain critical services for critical facilities. Academy Lane and Hagan Road Schools which are both designated 'Shelters of Last Resort' lack backup power sources. |                                                                                                        |
| <b>Description of the Solution:</b>               | The Township will research the appropriately sized generators for each facility. The Township will then purchase and install generators and necessary electrical components for both schools.                |                                                                                                        |
| <b>Estimated Cost:</b>                            | TBD                                                                                                                                                                                                          |                                                                                                        |
| <b>Potential Funding Sources:</b>                 | HMGP, Municipal Budget                                                                                                                                                                                       |                                                                                                        |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                               |                                                                                                        |
| <b>Goals Met:</b>                                 | 1, 3, 4                                                                                                                                                                                                      |                                                                                                        |
| <b>Benefits:</b>                                  | Ensures that shelters remain functional during disasters, improving safety and emergency support for displaced residents.                                                                                    |                                                                                                        |
| <b>Impact on Socially Vulnerable Populations:</b> | Provides secure shelter and power access for vulnerable populations, including seniors, medically dependent individuals, and low-income families.                                                            |                                                                                                        |
| <b>Impact on Future Development:</b>              | N/A                                                                                                                                                                                                          |                                                                                                        |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Directly supports the resilience and functionality of designated emergency shelters and ensures access to power for critical operations.                                                                     |                                                                                                        |
| <b>Impact on Capabilities:</b>                    | Enhances the Township's ability to operate shelters and provide emergency services during outages and extreme conditions.                                                                                    |                                                                                                        |
| <b>Climate Change Considerations:</b>             | Severe weather and extreme temperature events are expected to increase due to climate change, this action will strengthen resilience against these hazards.                                                  |                                                                                                        |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                        |                                                                                                        |
| <b>CRS Category</b>                               | Emergency Services, Public Information                                                                                                                                                                       |                                                                                                        |
| <b>Priority</b>                                   | High                                                                                                                                                                                                         |                                                                                                        |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                | <b>Evaluation</b>                                                                                      |
|                                                   | No Action                                                                                                                                                                                                    | -                                                                                                      |
|                                                   | Use portable generator                                                                                                                                                                                       | Provides temporary back up power but may not support all essential operations.                         |
|                                                   | Install solar battery backup                                                                                                                                                                                 | Environmentally friendly solution but higher upfront costs and supplemental power may still be needed. |



**Action 2025-Dennis-011 Storm drain Maintenance Program**

|                                                   |                                                                                                                                                                                                                                                     |                                                                                |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | OEM                                                                                                                                                                                                                                                 |                                                                                |
| <b>Supporting Agencies:</b>                       | -                                                                                                                                                                                                                                                   |                                                                                |
| <b>Hazards of Concern:</b>                        | Severe Weather, Flood                                                                                                                                                                                                                               |                                                                                |
| <b>Description of the Problem:</b>                | The Township recently purchased a Drain Vac Truck to clean storm drains of silt and debris to prevent stormwater flooding. The truck is not yet in service but will be this year. A maintenance plan should be developed for existing storm drains. |                                                                                |
| <b>Description of the Solution:</b>               | Develop a storm drain maintenance program to ensure storm drains are cleared for when severe weather or flooding occurs.                                                                                                                            |                                                                                |
| <b>Estimated Cost:</b>                            | TBD                                                                                                                                                                                                                                                 |                                                                                |
| <b>Potential Funding Sources:</b>                 | Municipal budget, State stormwater grants                                                                                                                                                                                                           |                                                                                |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                                                      |                                                                                |
| <b>Goals Met:</b>                                 | 1, 3                                                                                                                                                                                                                                                |                                                                                |
| <b>Benefits:</b>                                  | Reduces blockages in the storm drain system, increases capacity and functionality of drainage infrastructure, and helps prevent property damage caused by localized flooding.                                                                       |                                                                                |
| <b>Impact on Socially Vulnerable Populations:</b> | Reduces risk for residents in low-lying areas that frequently experience flooding and have limited resources to self-recover.                                                                                                                       |                                                                                |
| <b>Impact on Future Development:</b>              | Ensures stormwater infrastructure is well-maintained and effective.                                                                                                                                                                                 |                                                                                |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Helps maintain clear roadways and access to critical facilities during and after storm events.                                                                                                                                                      |                                                                                |
| <b>Impact on Capabilities:</b>                    | Improves township response to flood events and supports proactive maintenance practices.                                                                                                                                                            |                                                                                |
| <b>Climate Change Considerations:</b>             | This action will address the increased frequency of intense rainfall and flash flooding events caused by climate change.                                                                                                                            |                                                                                |
| <b>Mitigation Category</b>                        | Local plan and regulations                                                                                                                                                                                                                          |                                                                                |
| <b>CRS Category</b>                               | Natural resource protection                                                                                                                                                                                                                         |                                                                                |
| <b>Priority</b>                                   | Medium                                                                                                                                                                                                                                              |                                                                                |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                       | <b>Evaluation</b>                                                              |
|                                                   | No action                                                                                                                                                                                                                                           | -                                                                              |
|                                                   | Outsource drain system cleaning                                                                                                                                                                                                                     | High costs and limited control of response time.                               |
|                                                   | Use existing staff for manual inspections                                                                                                                                                                                                           | Lacks long-term effectiveness without a formal maintenance plan and equipment. |



**Action 2025-Dennis-012 Repetitive Loss Mitigation**

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                    |
| <b>Supporting Agencies:</b>                       | OEM                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
| <b>Hazards of Concern:</b>                        | Flood                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                    |
| <b>Description of the Problem:</b>                | Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the township continue to experience repeated flood damage, resulting in costly recovery and increased risk to residents.                                                                                                                                                                                                              |                                                                                                                    |
| <b>Description of the Solution:</b>               | The Township will conduct outreach to the two RL/SRL property owners and provide information on property acquisition or relocation. The Township will collect required property-owner information and develop a FEMA grant application and BCA to obtain funding to implement acquisition/purchase/moving residential homes in the flood prone areas that experience frequent flooding (high risk areas). |                                                                                                                    |
| <b>Estimated Cost:</b>                            | Low                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
| <b>Potential Funding Sources:</b>                 | HMGP, Municipal Budget                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                    |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                    |
| <b>Goals Met:</b>                                 | 1                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                    |
| <b>Benefits:</b>                                  | Reduces public and private costs from repeated disasters; restores floodplain functions; and permanently removes structures from high-risk areas.                                                                                                                                                                                                                                                         |                                                                                                                    |
| <b>Impact on Socially Vulnerable Populations:</b> | Provides relocation options to low-income or elderly property owners who may not have the means to elevate or recover from repeated damage.                                                                                                                                                                                                                                                               |                                                                                                                    |
| <b>Impact on Future Development:</b>              | Supports responsible land use by preventing redevelopment in high-risk flood zones.                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
| <b>Impact on Critical Facilities/Lifelines:</b>   | N/A                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
| <b>Impact on Capabilities:</b>                    | Improves community standing in CRS and enhances the municipality's capacity to implement managed retreat or property acquisition strategies.                                                                                                                                                                                                                                                              |                                                                                                                    |
| <b>Climate Change Considerations:</b>             | Supports long-term adaptation as sea level rise and more frequent storm events increase flooding risks in known high-hazard areas.                                                                                                                                                                                                                                                                        |                                                                                                                    |
| <b>Mitigation Category</b>                        | Education and Awareness Programs                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                    |
| <b>CRS Category</b>                               | Property Protection                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                    |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                                                                                                                                                                             | <b>Evaluation</b>                                                                                                  |
|                                                   | No action                                                                                                                                                                                                                                                                                                                                                                                                 | -                                                                                                                  |
|                                                   | Allow property owners to elevate their properties                                                                                                                                                                                                                                                                                                                                                         | It may not be cost-effective or feasible for every residence; it does not entirely eliminate the risk at the site. |
|                                                   | Offer voluntary acquisition                                                                                                                                                                                                                                                                                                                                                                               | Residents may not support this option and it may reduce the tax base of the borough.                               |



**Action 2025-Dennis-013 Retrofit Sheltering Buildings**

|                                                   |                                                                                                                                                                                                                           |                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                                   |                                                                                                   |
| <b>Supporting Agencies:</b>                       | OEM                                                                                                                                                                                                                       |                                                                                                   |
| <b>Hazards of Concern:</b>                        | Severe Weather                                                                                                                                                                                                            |                                                                                                   |
| <b>Description of the Problem:</b>                | Several buildings identified for emergency sheltering within the Township may be structurally or operationally vulnerable during certain severe weather events, such as hurricanes, high winds, or flooding.              |                                                                                                   |
| <b>Description of the Solution:</b>               | Retrofit or harden these facilities to increase level of protection by reinforcing roofs, windows, and structural systems to meet wind-resistance standards and ensure they can safely operate during major storm events. |                                                                                                   |
| <b>Estimated Cost:</b>                            | Medium                                                                                                                                                                                                                    |                                                                                                   |
| <b>Potential Funding Sources:</b>                 | HMGP, Local Bond funds                                                                                                                                                                                                    |                                                                                                   |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                            |                                                                                                   |
| <b>Goals Met:</b>                                 | 1, 4                                                                                                                                                                                                                      |                                                                                                   |
| <b>Benefits:</b>                                  | Increases protection for evacuees, reduces risk of facility damage, lowers liability and long-term repair costs.                                                                                                          |                                                                                                   |
| <b>Impact on Socially Vulnerable Populations:</b> | Provides secure shelter to residents with fewer resources or no alternative housing options during emergency events.                                                                                                      |                                                                                                   |
| <b>Impact on Future Development:</b>              | Encourages resilient design for future shelter facilities.                                                                                                                                                                |                                                                                                   |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Ensures continuity of services from designated critical facilities during emergency events.                                                                                                                               |                                                                                                   |
| <b>Impact on Capabilities:</b>                    | Strengthens preparedness posture and emergency shelter capabilities.                                                                                                                                                      |                                                                                                   |
| <b>Climate Change Considerations:</b>             | Responds to the growing risk of intense windstorms and severe weather due to climate change.                                                                                                                              |                                                                                                   |
| <b>Mitigation Category</b>                        | Structure and Infrastructure Projects                                                                                                                                                                                     |                                                                                                   |
| <b>CRS Category</b>                               | Emergency Services                                                                                                                                                                                                        |                                                                                                   |
| <b>Priority</b>                                   | High                                                                                                                                                                                                                      |                                                                                                   |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                             | <b>Evaluation</b>                                                                                 |
|                                                   | No action                                                                                                                                                                                                                 | -                                                                                                 |
|                                                   | Utilize temporary retrofits                                                                                                                                                                                               | May not be sufficient for high wind or prolonged exposure to severe weather events.               |
|                                                   | Relocate shelters                                                                                                                                                                                                         | May delay response, reduce accessibility, and increase transportation demands during emergencies. |



***Action 2025-Dennis-014 Update all Emergency/Contingency Plans***

|                                                   |                                                                                                                                                                                                                                                  |                                                                                    |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                                                                          |                                                                                    |
| <b>Supporting Agencies:</b>                       | OEM                                                                                                                                                                                                                                              |                                                                                    |
| <b>Hazards of Concern:</b>                        | Severe Weather                                                                                                                                                                                                                                   |                                                                                    |
| <b>Description of the Problem:</b>                | Evacuation procedures for 24-hour nursing homes and residential group homes may be insufficient or outdated, placing residents at risk during severe weather events.                                                                             |                                                                                    |
| <b>Description of the Solution:</b>               | Review and update all emergency/contingency plans for licensed care facilities in the township. Ensure plans include transportation arrangements, medical support, caregiver staffing, and alternate shelter locations. Conduct periodic drills. |                                                                                    |
| <b>Estimated Cost:</b>                            | Low                                                                                                                                                                                                                                              |                                                                                    |
| <b>Potential Funding Sources:</b>                 | Municipal budget                                                                                                                                                                                                                                 |                                                                                    |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                                                                   |                                                                                    |
| <b>Goals Met:</b>                                 | 1, 2, 4                                                                                                                                                                                                                                          |                                                                                    |
| <b>Benefits:</b>                                  | Enhances safety and survival outcomes for medically vulnerable residents; meets regulatory compliance.                                                                                                                                           |                                                                                    |
| <b>Impact on Socially Vulnerable Populations:</b> | Directly benefits elderly, disabled, and medically dependent populations.                                                                                                                                                                        |                                                                                    |
| <b>Impact on Future Development:</b>              | Encourages inclusion of emergency preparedness as a condition for new residential care facilities.                                                                                                                                               |                                                                                    |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Protects lifeline services by ensuring coordinated evacuation support and reduced strain on emergency shelters.                                                                                                                                  |                                                                                    |
| <b>Impact on Capabilities:</b>                    | Enhances coordination between emergency management and private care providers.                                                                                                                                                                   |                                                                                    |
| <b>Climate Change Considerations:</b>             | As extreme weather events become more frequent, ensures resilience of long-term care and congregate settings.                                                                                                                                    |                                                                                    |
| <b>Mitigation Category</b>                        | Local plans and regulation                                                                                                                                                                                                                       |                                                                                    |
| <b>CRS Category</b>                               | Preventative Measures                                                                                                                                                                                                                            |                                                                                    |
| <b>Priority</b>                                   | Medium                                                                                                                                                                                                                                           |                                                                                    |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                                                                    | <b>Evaluation</b>                                                                  |
|                                                   | No action                                                                                                                                                                                                                                        | -                                                                                  |
|                                                   | Rely on general municipal plan                                                                                                                                                                                                                   | Lacks facility-specific needs; may lead to confusion or delayed response.          |
|                                                   | Require facilities to develop plans independently                                                                                                                                                                                                | Inconsistent quality and coordination; may not align with local or FEMA standards. |



***Action 2025-Dennis-015 Code Red Public Education Campaign***

|                                                   |                                                                                                                                                                                                       |                                                                                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Lead Agency:</b>                               | Township Administration                                                                                                                                                                               |                                                                                                          |
| <b>Supporting Agencies:</b>                       | OEM                                                                                                                                                                                                   |                                                                                                          |
| <b>Hazards of Concern:</b>                        | All hazards                                                                                                                                                                                           |                                                                                                          |
| <b>Description of the Problem:</b>                | Many residents are not signed up for emergency alerts and may not be aware of the township's Code Red notification system or how to respond in an emergency.                                          |                                                                                                          |
| <b>Description of the Solution:</b>               | Launch a public education campaign using social media, newsletters, school flyers, and town events to encourage Code Red enrollment and promote awareness of available emergency communication tools. |                                                                                                          |
| <b>Estimated Cost:</b>                            | Low                                                                                                                                                                                                   |                                                                                                          |
| <b>Potential Funding Sources:</b>                 | Municipal Budget                                                                                                                                                                                      |                                                                                                          |
| <b>Implementation Timeline:</b>                   | Within 5 years                                                                                                                                                                                        |                                                                                                          |
| <b>Goals Met:</b>                                 | 1, 2                                                                                                                                                                                                  |                                                                                                          |
| <b>Benefits:</b>                                  | Ensures faster, broader distribution of emergency warnings and instructions to the public.                                                                                                            |                                                                                                          |
| <b>Impact on Socially Vulnerable Populations:</b> | Reaches underserved groups by using multiple outreach formats, languages, and in-person strategies.                                                                                                   |                                                                                                          |
| <b>Impact on Future Development:</b>              | Strengthens overall community preparedness culture.                                                                                                                                                   |                                                                                                          |
| <b>Impact on Critical Facilities/Lifelines:</b>   | Keeps staff at essential facilities informed during fast-changing emergencies.                                                                                                                        |                                                                                                          |
| <b>Impact on Capabilities:</b>                    | Enhances community engagement and public participation in emergency readiness.                                                                                                                        |                                                                                                          |
| <b>Climate Change Considerations:</b>             | Ensures the public receives timely information during climate-driven hazard events like extreme heat or flooding.                                                                                     |                                                                                                          |
| <b>Mitigation Category</b>                        | Education and Awareness Program                                                                                                                                                                       |                                                                                                          |
| <b>CRS Category</b>                               | Public Information                                                                                                                                                                                    |                                                                                                          |
| <b>Priority</b>                                   | High                                                                                                                                                                                                  |                                                                                                          |
| <b>Alternatives</b>                               | <b>Action</b>                                                                                                                                                                                         | <b>Evaluation</b>                                                                                        |
|                                                   | No action                                                                                                                                                                                             | -                                                                                                        |
|                                                   | Rely on residents to search for information                                                                                                                                                           | Not effective in urgent situations where residents need to be informed and where resources can be found. |
|                                                   | Promote enrollment only                                                                                                                                                                               | Misses opportunities to reach new residents or reinforce seasonal risks.                                 |