

ANNEX 31: TOWNSHIP OF PARSIPPANY-TROY HILLS

1 COMMUNITY CAPABILITIES ASSESSMENT

Section 1.1 through Section 1.6 summarizes the different community capabilities and tools that are available to the community to potentially assist in mitigating the impacts of hazards.

1.1 PLANNING, LEGAL AND REGULATORY CAPABILITIES

The table below summarizes the legal and regulatory tools that are available to the Township Parsippany-Troy Hills and where hazard mitigation has been integrated.

Table 1: Planning, Legal and Regulatory Capability

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	State Mandated / Allowed	Has the HMP been integrated in the last 5 years? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
Codes, Ordinances, & Requirements					
Building Code	Yes	State & Local	Yes	No	-
Comment: State mandated on local level under NJAC 5:23-3.14. International Building Code – New Jersey Edition, 2018, NJAC 5:24-3.14. Administered by the Building Department.					
Zoning Code	Yes	Local	Yes	No	-
Comment: Per State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976, 40-55D-62: 49. Power to zone, requires all jurisdictions to have current zoning and other land development ordinances after the planning board has adopted the land use element and master plan. Zoning code, Chapter 430 of the municipal code. Administered by Planning/Zoning.					
Subdivisions	Yes	Local	Yes	No	-
Comment: Chapter 430 of the municipal code. Administered by Planning/Zoning.					
Stormwater Management	Yes	Local	Yes	No	-
Comment: Title 7 of the NJ Administrative Code (N.J.A.C. 7:8); Chapter 225 of the municipal code. Administered by the Engineer.					
Post-Disaster Recovery	No	-	-	-	-
Comment:					
Real Estate Disclosure	Yes	State – Division of Consumer Affairs	Yes	Yes	-
Comment: N.J.A.C. 13:45A-29.1; Before signing a contract of sale, all purchasers must receive a New Jersey Public Offering Statement (POS) approved by the New Jersey Real Estate Commission. The POS provides information such as proximity to hospitals, schools, fire and police, as well as any hazards, risks or nuisances in or around the subdivision.					
Growth Management	No	-	Yes	-	-
Comment: State mandated at local level;					
Shoreline Development	No	-	Yes	-	-

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	State Mandated / Allowed	Has the HMP been integrated in the last 5 years? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
Comment: NJ Coastal Area Facility Review Act (N.J.S.A. 13:19) or CAFRA regulates almost all development along the coast for activities including construction, relocation, and enlargement of buildings or structures, and excavation, grading, shore protection structures, and site preparation. This law is implemented through NJ's Coastal Zone Management Rules N.J.A.C. 7:7E-1 et seq.					
Site Plan Review	Yes	Local	No	No	-
Comment: Chapter 225 of the municipal code. Administered by the Engineer.					
Environmental Protection	Yes	State, Local	Yes	No	-
Comment: The rules that are utilized by the NJDEP and other environmental agencies are codified at Title 7 of the NJ Municipal Administrative Code. Environmentally Critical Areas, Chapter 225-64L of the municipal code. Administered by the Engineer.					
Flood Damage Prevention	Yes	Federal, State, Local	Yes	No	-
Comment: Flood Hazard Protection, Chapter 175 of the municipal code. Administered by the Planning/Zoning and Engineer.					
Wellhead Protection	Yes	Local	-	No	-
Comment: Article XLIII of the municipal code.					
Emergency Management	No	-	-	-	-
Comment:					
Climate Change	No	-	-	-	-
Comment:					
Disaster Recovery Ordinance	No	-	-	-	-
Comment:					
Disaster Reconstruction Ordinance	No	-	-	-	-
Comment:					
Other	No	-	-	-	-
Comment:					
Planning Documents					
Comprehensive / Master Plan	Yes	Local	Yes	No	-
Comment: Comprehensive Plan was adopted in 1976. Most recent reexamination took place in December 2014. The Township is currently working on an update. The Plan is administered by the Planning/Zoning departments.					
Capital Improvement Plan	Yes	Local	Allowed	No	-
Comment: Per NJSA 40:55D-29 the governing body is authorized to direct the planning board to prepare a CIP with at least a six year planning horizon. The Capital Improvement Plan is administered by the Planning Board.					
Disaster Debris Management Plan	No	-	No	-	-
Comment:					
Floodplain or Watershed Plan	Yes	Local, County	No		

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	State Mandated / Allowed	Has the HMP been integrated in the last 5 years? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
Comment: Flood Acquisition Plan (with Morris County). Administered by OEM through collaboration with all departments.					
Stormwater Management Plan	Yes	Local and State	Yes	No	-
Comment: Per NJDEP Storm Water Management Rule (N.J.A.C. 7:8, et seq.). The Municipal Stormwater Regulation Program was developed in response to the U. S. Environmental Protection Agency’s (USEPA) Phase II rules published in December 1999. The Department issued final stormwater rules on February 2, 2004 and four (4) NJPDES general permits authorizing stormwater discharges from Tier A and Tier B municipalities, as well as public complexes, and highway agencies that discharge stormwater from municipal separate storm sewers (MS4s). Chapter 357 of the municipal code, dated 12/20/05. Plan is currently being updated. Administered by Engineering.					
Stormwater Pollution Prevention Plan	Yes		Yes	Yes/No	Yes/No
Comment: Plan updated 3/18/2025					
Urban Water Management Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Habitat Conservation Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Economic Development Plan	No	-	No	-	-
Comment:					
Shoreline Management Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Community Wildfire Protection Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Community Forest Management Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Transportation Plan	No	-	No	-	-
Comment:					
Agriculture Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Climate Action Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Tourism Plan	Yes/No		No	Yes/No	Yes/No
Comment:					
Business Development Plan	Yes/No		No	Yes/No	Yes/No
Comment:					

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	Do you have this? (Yes/No)	Authority that enforces (Federal, State, Regional, County, Local)	State Mandated / Allowed	Has the HMP been integrated in the last 5 years? If yes- how?	
				If yes- how? Describe in comments	If no - can it be a mitigation action? If yes, add Mitigation Action #.
Findings Related to the Lake Hiawatha Flooding of August 2011	Yes	Local	No	No	-
Comment: Study to determine causes and solutions of flooding of Lake Hiawatha. Recommendations include: Make sure all residents are connected to Reverse 911, Monitor and clean all storm drains; study condition of all streams and rivers; inspect Lake Hiawatha retaining wall; Rebuild Passaic River Flood Tunnel.					
Response/Recovery Planning					
Comprehensive Emergency Management Plan (CEMP) / Emergency Operations Plan (EOP)	Yes	Local	Yes	No	-
Comment: Per the NJ Civilian Defense and Disaster Control Act (App.A:9_43.2) Counties and municipalities must have written Emergency Operations Plans to be reviewed every 2 years. Emergency Operations Plan (November 2009). Administered by OEM.					
Threat & Hazard Identification & Risk Assessment (THIRA)	No				
Comment:					
Post-Disaster Recovery Plan	No		No	No	-
Comment:					
Continuity of Operations Plan	Yes		No	No	-
Comment: Located in the EOP, administered by OEM.					
Public Health Plan	No	-	-	-	-
Comment:					
Other	No	-	-	-	-
Comment:					

Table 2: Development and Permitting Capability

Criterion	Response
Does your jurisdiction issue development permits? If no, who does? If yes, which department?	Yes, Engineering
Does your jurisdiction have the ability to track permits by hazard area?	Yes, starting to use GIS
Does your jurisdiction have a buildable lands inventory? -If yes, please describe briefly. -If no, please quantitatively describe the level of buildout in the jurisdiction.	Yes, in Master Plan and COA reporting

1.2 ADMINISTRATIVE AND TECHNICAL CAPABILITIES

- **Planning Board:** The Planning Board is made up of 15 members and includes the Minor Site Plan and Subdivision Committee.
- **Zoning Board of Adjustment:** The Zoning Board of Adjustment reviews all applications for relief from provisions of the Zoning Ordinance. The Board's principal duties are to hear appeals, grant variances and rule on "use" applications. The Zoning Board is comprised of seven regular members and two alternates appointed by the Township Council. All Board Members are Township residents. The Board reviews subdivisions and site plans with variances.
- **Zoning Division:** Staffed with a full time zoning officer, the Zoning Division is responsible for overseeing the administration and enforcement of all zoning regulations and ordinances. The Zoning Officer is required to review each application for proposed projects to assure that the project is in compliance with those laws.
- **Economic Development Advisory Committee:** The purpose of the Economic Development Advisory Committee is to serve in an advisory capacity and provide information, advice and recommendations relating to the promotion of Economic Development in the Township of Parsippany-Troy Hills. The Committee consists of 11 members; five appointed by the Mayor and six appointed by the Council. Members are Township residents who have knowledge of or have demonstrated an interest in the economic well-being of the Township.
- **Environmental Advisory Committee:** The Environmental Advisory Committee is comprised of eight members including a council liaison and a chairperson. The Committee assisted in the study of the cause of the 2011 Lake Hiawatha flood event.
- **Historical Preservation Advisory Committee:** The Parsippany Historical and Preservation Society is a seven-member advisory body of local citizens formed in 2003 by appointment of the Mayor and Township Council. The purpose of this committee is to educate and advocate for historic preservation in the Township of Parsippany-Troy Hills.
- **Open Space Committee:** The Open Space Committee makes an initial determination of which parcels of land should be acquired in fee and/or those parcels of land from which the Township should acquire development rights.
- **Recreation Advisory Committee:** The role of the Recreation Advisory Committee is to advise and assist the Recreation Department in the planning and development of public recreational programs and facilities and to promote coordination of such within the Township.
- **Traffic Advisory Committee:** The Traffic Advisory Committee is composed of nine township residents, five of whom are appointed by the Township Council, and four of whom are appointed by the Mayor. Their purpose is to serve in an advisory capacity to the Township Council, providing information, advice and recommendations relating to traffic management and safety issues.
- **Streets & Roads Division:** Planning Board: The Planning Board is made up of 15 members and includes the Minor Site Plan and Subdivision Committee.
- **Zoning Board of Adjustment:** The Zoning Board of Adjustment reviews all applications for relief from provisions of the Zoning Ordinance. The Board's principal duties are to hear appeals, grant variances and rule on "use" applications. The Zoning Board is comprised of seven regular members and two

alternates appointed by the Township Council. All Board Members are Township residents. The Board reviews subdivisions and site plans with variances.

- **Parks & Forestry:** Parsippany has 31 parks throughout the township. The park system has preserved over 800 acres ranging from the 0.32 acre Lake Hiawatha Park to the 352-acre Knoll Park. This total surpasses the nationally recognized standard of having one acre of park land for every 100 residents. The goal has been to provide recreation within walking distance for every resident.
- **Building & Construction:** The Building and Construction Office serves to assist Parsippany residents and commercial contractors wishing to initiate construction within the Township of Parsippany-Troy Hills. The responsibilities of this office include compliance with all State rules and regulations regarding construction. It is the duty of this office to issue permits and conduct inspections for new construction, repairs and renovations, additions, electric and gas service upgrades, demolition, roofing, siding, swimming pools, sheds, replacement of hot water heaters and removal of tanks, etc.
- **Fire Prevention:** The Parsippany Division of Fire Prevention is tasked with enforcing the New Jersey Uniform Fire Code in all commercial properties located within the Township of Parsippany. In addition, the Division is responsible for issuing appropriate permits, certificates for home sales and/or rentals, planning for events, assisting with emergency response, and public education in conjunction with the township's six Fire Districts, three EMS agencies, Police, and many other stakeholders. In order to accomplish these tasks, the Division is staffed by one (1) full time Fire Official, four (4) full time Fire Inspectors, and one (1) full time Administrative Assistant. The Fire Official and Fire Inspectors are state certified to requirements set forth by the State of New Jersey Division of Fire and Safety and completed required continuing education yearly.

In 2017, the Division started an aggressive education program that branched out from just the township schools. Inspectors now present Fire Safety to businesses including a variety of topics that encompass fire safety in the workplace, home, school, as well as time of year specific events. In addition to presentations, the Division owns and operates a Fire Safety Trailer and Fire Extinguisher prop that allows the user to practice extinguishing a real fire under a controlled environment. In 2018, the Division adopted "Prevention Through Education" as the standard to which all actions are measured to. Whether inspections in commercial settings or education at schools, the Division believes that Prevention is much more than code enforcement.

- **Emergency Management:** The Office of Emergency Management's mission is to protect the community from large-scale emergencies and disasters and to coordinate and respond to disasters, coordinate recovery efforts following a disaster, identify and mitigate potential threats, and prepare plans to deal with various disasters. The Office provides the following services:
 - CERT refers to the Community Emergency Response Team. The team is comprised of residents trained to be better prepared to deal with emergency situations for themselves and their families. CERT members can also give critical support to first responders, provide immediate assistance to victims, and organize spontaneous volunteers at a disaster site. CERT is part of a nationwide Citizens Corp program.
 - RACES refers to Radio Amateur Civil Emergency Service. Its' mission is to operate and maintain Amateur, Public Safety, and other communication systems, to assist government officials in the protection of life and property during emergencies.

- Hazardous materials incident response
 - Planning for emergencies
 - Preparedness efforts for safety
- **Flood Acquisition Plan:** The Township has participated in the County's Flood Mitigation Program (FMP) and has an approved Flood Acquisition Plan (FLAP). The Morris County FMP is the first dedicated, county-level flood acquisition program in the State of New Jersey. The FMP allows Morris County to assist municipalities in moving people out of harm's way, lowering municipal costs due to intense flooding episodes, and create natural flood capture and storage areas which protect the remaining homes and businesses. The FMP is funded by the Morris County Open Space tax and provides grant monies for municipalities to purchase flood-prone residential properties.

The table below summarizes potential staff and personnel resources available to the Township Parsippany-Troy Hills.

Table 3: Administrative and Technical Capabilities

Staff/Personnel Resource	Available?	Department/Agency/Position
Administrative Capability		
Planning Board	Yes	Planning Board
Mitigation Planning Committee	Yes	Engineer, OEM, Administration
Environmental Board / Commission	Yes	Environmental Advisory Committee
Open Space Board / Committee	Yes	Open Space Committee
Economic Development Commission / Committee	Yes	Economic Development Committee
Warning Systems / Services (reverse 911, outdoor warning signals)	Yes	Rave, Social Media, Reverse 911, Variable message boards
Maintenance program to reduce risk	No	DWP
Mutual aid agreements	Yes	Fire Departments and First Aid
Technical/Staffing Capability		
Planners or engineers with knowledge of land development and land management practices	Yes	Planner and Engineer
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building Department and Engineering
Planners or engineers with an understanding of natural hazards	Yes	Planning and Engineering
Staff with training in benefit/cost analysis	No	Engineering
Staff with training in green infrastructure	Yes	Engineering
Staff with education/knowledge/training in low impact development	Yes	Stormwater regulations
Surveyor	No	-
Stormwater engineer	Yes	Engineering
Personnel skilled or trained in GIS applications	Yes	Engineering
Local or state water quality professional		
Scientist familiar with natural hazards in local area	No	-
Emergency manager	Yes	OEM
Grant writers	No	-

Staff/Personnel Resource	Available?	Department/Agency/Position
Resilience Officer	No	-
Watershed planner	No	-
Environmental specialist	No	-
Other	No	-

1.3 FISCAL CAPABILITIES

The table below summarizes financial resources available to the Township Parsippany-Troy Hills.

Table 4: Fiscal Capabilities

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

1.4 EDUCATION AND OUTREACH CAPABILITIES

The table below summarizes the education and outreach resources available to the Township Parsippany-Troy Hills.

Table 5: Education and Outreach Capabilities

Criterion	Response
Do you have a public information officer or communications office?	Public Information Officer
Do you have personnel skilled or trained in website development?	Yes
Do you have hazard mitigation information available on your website? <ul style="list-style-type: none"> If yes, briefly describe. 	Yes, Hazard Mitigation Plan is linked on the website
Do you use social media for hazard mitigation education and outreach? <ul style="list-style-type: none"> If yes, briefly describe. 	Yes; Facebook, Twitter, etc.
Do you have any citizen boards or commissions that address issues related to hazard mitigation? <ul style="list-style-type: none"> If yes, briefly describe. 	Yes, Local Emergency Planning Committee
Do you have any other programs already in place that could be used to communicate hazard-related information? <ul style="list-style-type: none"> If yes, briefly describe. 	No
Do you have any established warning systems for hazard events? <ul style="list-style-type: none"> If yes, briefly describe. 	Yes; Rave, Social Media, Reverse 911, Variable message boards

1.5 COMMUNITY CLASSIFICATIONS

The table below summarizes the classifications for community programs available to the Township Parsippany-Troy Hills.

Table 6: Community Classifications

Program	Participating?	Classification	Date Classified
Community Rating System	No. The Township was last a member of the CRS program in 2007. Would be interested in returning.	-	-
Building Code Effectiveness Grading Schedule (BCEGS)	Yes		
Public Protection (Fire ISO Protection Class)	Yes	5 at Class 4, 1 at Class 3	2018
Storm Ready Certification	No	-	-
Firewise Community Classification	No	-	-
Sustainable Jersey	Yes	None	5/19/2009

1.6 NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE

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

Table 7: National Flood Insurance Program Compliance

Criterion	Response
What local department is responsible for floodplain management?	Engineering
Who is your floodplain administrator? (name, department/position)	Justin Lizza, Township Engineer
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date that your flood damage prevention ordinance was last amended?	7/19/2022; currently being revised and will be adopted by 8/19/25
Does your floodplain management program meet or exceed minimum requirements? <ul style="list-style-type: none"> If exceeds, in what ways? 	Meets Requirements
When was the most recent Community Assistance Visit or Community Assistance Contact?	March 20, 2017
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? <ul style="list-style-type: none"> If so, state what they are. 	No
Are any RiskMAP projects currently underway in your jurisdiction? <ul style="list-style-type: none"> If so, state what they are. 	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? <ul style="list-style-type: none"> If no, state why. 	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program?	Yes
<input checked="" type="checkbox"/> If so, what type of assistance/training is needed?	Training to become certified
Does your jurisdiction participate in the Community Rating System (CRS)? <ul style="list-style-type: none"> If yes, is your jurisdiction interested in improving its CRS Classification? If no, is your jurisdiction interested in joining the CRS program? 	No, interested in rejoining.

Criterion	Response
How many flood insurance policies are in force in your jurisdiction? <ul style="list-style-type: none"> What is the insurance in force? What is the premium in force? 	Policies: 332 Insurance in force: \$92,365,500 Premium in force: \$595,082
How many total loss claims have been filed in your jurisdiction? <ul style="list-style-type: none"> How many claims are still open or were closed without payment? What were the total payments for losses? 	Total loss claims: 642 Claims open or closed without payment: 108 Total payments for losses: \$13,693,195
Do you maintain a list of properties that have been damaged by flooding?	Yes
Do you maintain a list of property owners interested in flood mitigation?	Yes

2 HAZARD ANALYSIS AND RISK ASSESSMENT

2.1 HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Township of Parsippany-Troy Hills that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Township of Parsippany-Troy Hills has significant exposure. Refer to Figure 1 and Figure 2.

2.2 REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Township of Parsippany-Troy Hills.

- Number of repetitive loss (RL) properties: 49
- Number of severe repetitive loss (SRL) properties: 5
- Number of RL/SRL properties that have been mitigated: 16

2.3 CRITICAL FACILITIES

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

Table 8: Potential Flood Losses to Critical Facilities and Lifelines

Name	Type	1% Event	0.2% Event
Rockaway Meadow Elementary School	School		x
Arlington Plaza	Bus		x
WXMC 1310	Communication	x	x
Takeout Dam	Dam	x	x
Parsippany Dike	Dam	x	x
Powder Mill Pond Dam	Dam	x	x
Lake Parsippany Dam	Dam	x	x
Littleton Well Property		x	x

**Identified lifeline*

2.4 HAZARD RANKING

This section includes the community specific identification of the primary hazard concerns based on identified problems, impacts and the results of the risk assessment as presented in Section 3 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; its potential impacts on people, property, and the economy; community capability and changing future climate conditions. This input supports the mitigation action development to target those hazards with highest level of concern.

Each plan participant may have differing degrees of risk exposure and vulnerability compared to Morris County as a whole. Therefore, each jurisdiction ranked the degree of risk to each hazard as it pertains to their community factoring in their capabilities to withstand impacts and bounce back after the event. The table below summarizes the hazard rankings of potential natural hazards for the Township of Parsippany-Troy Hills. The Township of Parsippany-Troy Hills has reviewed the Morris County hazard ranking table, as well as its individual results, to reflect the relative risk of the hazards of concern to the community.

Table 9: Township Parsippany-Troy Hills Hazard Ranking Input

Hazard	Ranking	Hazard	Ranking
Drought	Medium	Hazardous Substances	High
Earthquake	Medium	Severe Weather	High
Extreme Temperature	Medium	Severe Winter Storm	High
Flood	High	Wildfire	Medium
Geological Hazards	Medium		

2.5 COMPLETED ACTIONS

Township of Parsippany-Troy Hills reported no completed actions.

2.6 CANCELLED ACTIONS

The Township of Parsippany-Troy Hills reported the following cancelled actions.

2020 Action	Mitigation Action Name	Project Description	Project Results
2020-Township of Parsippany-Troy Hills-003	Mutual Aid Agreements	The Township needs additional mutual aid agreements. Create/Enhance/Maintain Mutual Aid agreements with neighboring communities for continuity of operations.	Not a mitigation action.
2020-Township of Parsippany-Troy Hills-012	WXMC 1310	WXMC 1310 is a critical communications facility located in the 100-year floodplain. Conduct outreach to the property owner to discuss flood exposure and potential mitigation actions	No longer a priority.
2020-Township of Parsippany-Troy Hills-016	Route 10 Improvements	Route 10 has a jersey barrier the entire length through the township. Have issues with cars getting stuck in snow as they try to u-turn. Route 10 is a State Road. OEM will contact the state DOT to determine possible improve conditions during snow.	No longer a priority. Not under the jurisdiction of Township.
2020-Township of Parsippany-Troy Hills-019	Disease Outbreak, Flood, and Hazardous Materials outreach	The transient community may be more vulnerable to disease outbreak. Closing off flooded roadways in a timely manner is difficult. The Township has numerous	No longer a priority.

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

2020 Action	Mitigation Action Name	Project Description	Project Results
		highways which may have various unknown substances. OEM will conduct outreach regarding disease outbreak, flood, and hazardous materials.	
2020-Township of Parsippany-Troy Hills-020	Littleton Well Property	The Littleton Well Property is a critical communications facility located in the 100-year floodplain. Conduct outreach to the property owner to discuss flood exposure and potential mitigation actions.	No longer a priority.

2.7 HAZARD MITIGATION STRATEGY

2.7.1 BACKGROUND INFORMATION

Ac-tion	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a con-tinuing action from 2020 plan? Yes/No	2024 Project Status Not Started In Progress
1	Parsippany-Troy Hills Township	Flood study for flood prone streets.	Flooding occurs on New Road, Vail Road between Carlson Place and Montville, Chesterfield Drive, Holmdel Drive, Sandalwood Drive, Larkspur Drive, and Sagamore Road.	Conduct an engineering study to determine appropriate mitigation action. Implement selected ac-tion. New Road flooding has major impact from Interstate Highway traffic; roadway is used by motor-ists traveling from I-80 W/B to I-280 E/B and I-280 W/B to I-80 E/B. New Road flooding also has impact on emergency response to critical infrastructure (Parsippany Sewer Plant) and high hazard Hazmat lo-cation (Mane, 259 New Rd).	Yes	Not Started
2	Parsippany-Troy Hills Township	Flood wall along river Sagamore Street.	Sagamore Street is flood prone	Construct flood wall along river along Sagamore Street	Yes	Not Started
3	Parsippany-Troy Hills Township	Floodwall extension on Cayuga Road and Hoffman Avenue.	The floodwall on Cayuga Road and Hoffman Avenue needs to be ex-tended to provide proper flood protection	Construct and extend current floodwall that runs between Ca-yuga Road and Hoffman Avenue.	Yes	Not Started

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

Ac-tion	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a con-tinuing action from 2020 plan? Yes/No	2024 Project Status Not Started In Progress
4	Parsippany-Troy Hills Township	Support elevation/acquisition of SRL, RL and NFIP insured properties within the Township	The Township has 45 repetitive loss properties and 5 severe repetitive loss (SRL) properties	Support elevation/acquisition of SRL, RL and NFIP insured properties within the Township	yes	In Progress
5	Parsippany-Troy Hills Township	Backup pump for Rockaway Boulevard Pump Station	The Rockaway Boulevard Pump Station lacks a backup pump. Pump is required to prevent residential flooding in lower Lake Hiawatha area.	Construct a backup pump system for pumping station on Rockaway Boulevard between Lakeshore Drive and Wilbur Avenue.	Yes	In Progress
6	Parsippany-Troy Hills Township	Dams in flood zone	The Township has numerous dams located in the flood zone. It is already known that Forge Pond Dam on Springfield Court and Mirror Lake Dam on Elmwood Drive is in need or replacement or upgrade.	Conduct an engineering study to determine status of dams and level of flood protection. Upgrade dams or replace dams if upgrades are not possible.	Yes	In Progress
7	Parsippany-Troy Hills Township	Increase capacity of undersized culvert in Jefferson Road	The culvert in Jefferson Road is undersized.	Upgrade the culvert with an up-sized culvert.	Yes	In Progress
8	Parsippany-Troy Hills Township	Drainage pipe inspection	Drainage pipe from Lake Hiawatha School to Rockaway River needs to be inspected to ensure it is still functional. Fear of collapse due to age.	Engineering will inspect the pipe and make any necessary improvements	Yes	Not Started

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

Action	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a continuing action from 2020 plan? Yes/No	2024 Project Status Not Started In Progress
9	Parsippany-Troy Hills Township	Survey of water infrastructure	Aging water infrastructure is leading to many water main breaks, specifically during extreme temperature events.	Engineering will complete a survey of water infrastructure system and complete necessary upgrades.	Yes	Not Started
10	Parsippany-Troy Hills Township	Flood protection for New Road	New Road: municipal road links 246 and 280. Main cut through for travels from 280 to 80. Local cut through. When Rockaway River overtops, the road is flooded.	Conduct flood study to determine possible mitigation actions. Implement selected action.	Yes	Not Started
11	Parsippany-Troy Hills Township	Backup power for Police Athletic Building on Baldwin Road.	The facility lacks backup power	Purchase and install backup generators and necessary electrical components.	Yes	Not Started
12	Parsippany-Troy Hills Township	Backup power for Community Center (shelter) on Knoll Road.	The facility lacks backup power	Purchase and install backup generators and necessary electrical components.	Yes	Not Started
13	Parsippany-Troy Hills Township	Alert system downstream of Boonton Dam	There is no alert system downstream of Boonton Dam.	Establish alert system downstream of Boonton Dam in conjunction with Boonton Town and Montville.	Yes	Not Started
14	Parsippany-Troy Hills Township	Parsippany-Troy Hills Township School District generators	Parsippany-Troy Hills Township School District lacks backup generator	Purchase and installation of generators	Yes	Not Started

Action	Jurisdiction	Mitigation Action Name	What is the problem the action is solving?	How does the action solve the problem?	Is this a continuing action from 2020 plan? Yes/No	2024 Project Status Not Started In Progress
15	Parsippany-Troy Hills Township	Relocation of EOC on 1 Pump House Road	EOC on 1 Pump House Road is not located in an ideal position.	Relocate EOC.	Yes	Not started

2.7.2 IMPLEMENTATION INFORMATION

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
1	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	HMGP, Municipal Budget	Reduction in flood risk in selected areas
2	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	HMGP, PDM, FMA, Municipal budget	Reduction in flooding of streets and residential properties
3	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	HMGP, PDM, FMA, Municipal budget	Increased flood protection and reduction of risk to

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
								residential properties
4	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	HMGP, HMA Grants	Eliminates flood damage to homes and residents, creates open space for the municipality increasing flood storage.
5	Geological Hazards	N/A	Goal 4	N/A	<u>Engineering</u>	N/A	Municipal budget	Continuity of operations. Replaces 35-year-old pump and provides for redundancy.
6	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	HMGP, PDM, FMA, Municipal budget	Prevent dam failure
7	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	Municipal budget, HMGP	Reduce flood risk to roadways and flooding of commercial buildings.

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
8	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	Municipal Budget	Prevent collapse and blockages resulting in flooding of residential properties
9	Extreme Temperature	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	Municipal Budget	Reduction in water breaks
10	Flood	N/A	Goal 1	N/A	<u>Engineering</u>	N/A	Municipal budget, HMGP	Reduction in flooding to vital transportation link between 2 interstate highways and 1 US highway and flooding to garden apartment complexes.
11	Severe Weather	Severe Winter Weather	Goal 1	N/A	<u>OEM</u>	N/A	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	Continuity of operations

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
12	Severe Weather	Severe Winter Weather	Goal 1	N/A	<u>OEM</u>	N/A	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	Continuity of operations
13	Flood	N/A	Goal 1	N/A	<u>OEM, Boonton Town, Montville</u>	N/A	Municipal budgets of Parsippany, Boonton, Montville	Increase emergency notifications.
14	Severe Weather	Severe Winter Weather; Flood	Goal 1	N/A	<u>Parsippany-Troy Hills Township School District, OEM</u>	N/A	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	Continuity of operation maintained

	What is the main hazard from the 2025 update that the action mitigates?	List any additional hazards from the 2025 mitigation plan update that the action mitigates	What is the main goal that the action addresses?	List any additional goals that the action addresses	What agencies will lead the implementation of this action?	What agencies will support the implementation of this action?	What are potential sources of funding that can support this mitigation action?	What benefits does this action provide?
15	All Hazards	N/A	Goal 1	N/A	<u>OEM</u>	N/A	FEMA HMGP and PDM, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, Municipal Budget	Continuity for EOC operations

2.7.3 STRATEGY RANKING AND PRIORITIZATION

	What is the estimated cost of this action?	What is the estimated timeline for this action to be implemented?	Potential for Lives Saved 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Property Damages 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Response Actions 1 - Little Potential 2 - Some Potential 3 - Major Potential	Benefits Exceed Costs 1 - BCA equal 2 - Minor Exceedance 3 - Major Exceedance	Community Action Priority Ranking 1 - Low Priority 2 - Medium Priority 3 - High Priority	Total	Action Priority
1	\$50k-250k	3-5 years	2	2	2	2	1	9	Medium
2	Over \$1M	3-5 years	2	3	2	2	1	10	Medium

Morris County, New Jersey, Multijurisdictional Hazard Mitigation Plan 2025

	What is the estimated cost of this action?	What is the estimated timeline for this action to be implemented?	Potential for Lives Saved 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Property Damages 1 - Little Potential 2 - Some Potential 3 - Major Potential	Potential for Reduced Response Actions 1 - Little Potential 2 - Some Potential 3 - Major Potential	Benefits Exceed Costs 1 - BCA equal 2 - Minor Exceedance 3 - Major Exceedance	Community Action Priority Ranking 1 - Low Priority 2 - Medium Priority 3 - High Priority	Total	Action Priority
3	Over \$1M	3-5 years	2	3	2	2	1	10	Medium
4	\$750k-\$1M	1-3 years	2	3	3	2	3	13	High
5	Over \$1M	1-3 years	3	3	3	3	3	15	High
6	\$500k-\$750k	1-3 years	2	2	2	2	2	10	Medium
7	\$250k-\$500k	Under 1 year	2	3	3	2	3	13	High
8	Under \$50k	Under 1 year	1	2	1	2	2	8	Low
9	\$500k-\$750k	3-5 years	1	1	2	1	2	7	Low
10	Over \$1M	3-5 years	2	3	3	2	3	13	High
11	\$250k-\$500k	3-5 years	1	1	1	1	2	6	Low
12	\$250k-\$500k	3-5 years	1	1	1	1	2	6	Low
13	\$50k-250k	3-5 years	2	1	1	1	2	7	Low
14	\$250k-\$500k	1-3 years	2	1	1	1	2	7	Low
15	\$250k	3-5 years	2	2	2	2	2	10	Medium

Figure 1: Township Parsippany-Troy Hills Hazard Area Extent and Location Map 1

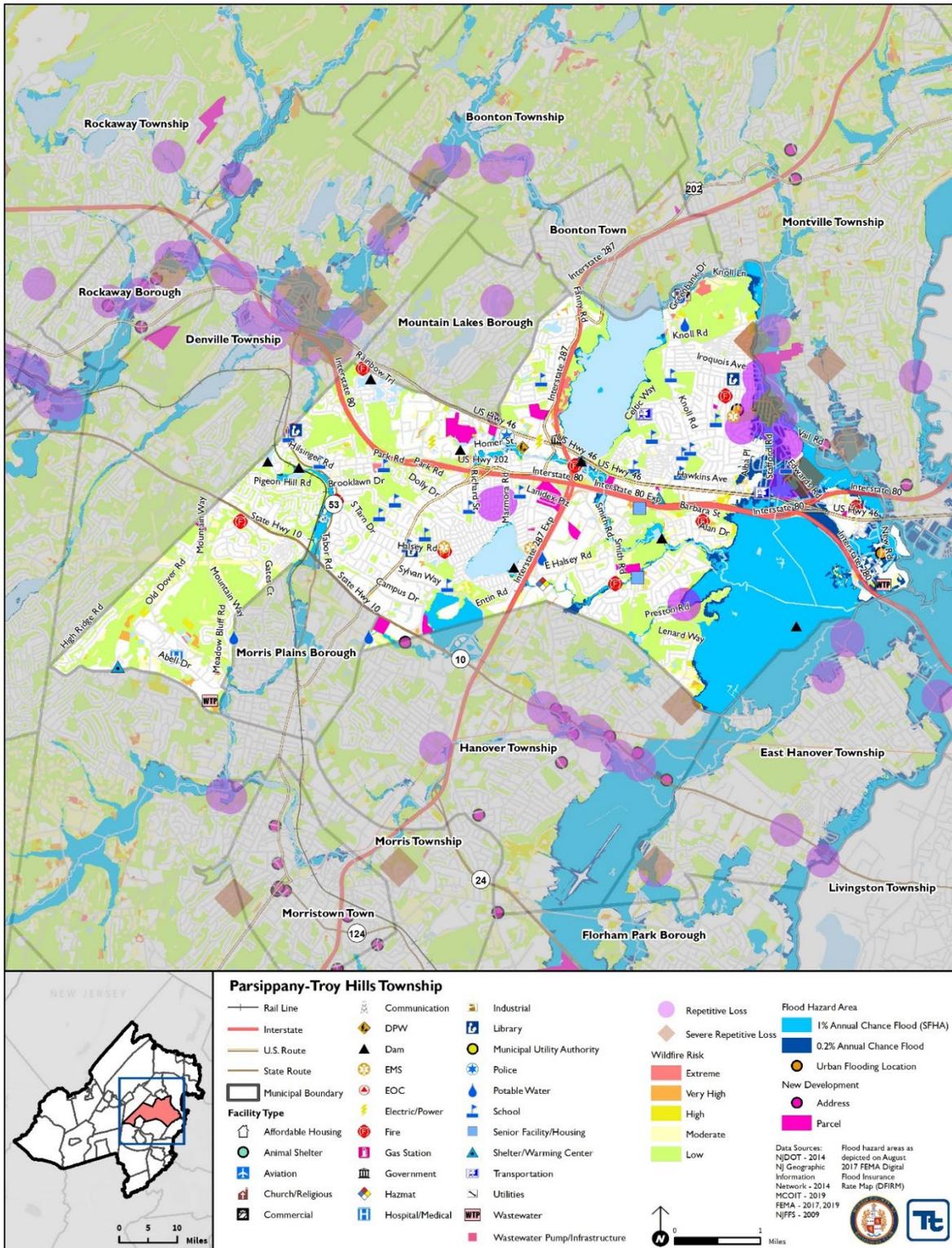


Figure 2: Township Parsippany-Troy Hills Hazard Area Extent and Location Map 2

