

Sussex County
Multi-Jurisdictional
Hazard Mitigation Plan 2025
Update

Draft Plan Review Meeting November 21, 2024 | 7:00 pm

While waiting for the meeting to start, please place your name, title, and jurisdiction in the chat!



Today's Agenda

- 1. Welcome and Introductions
- 2. In Kind Tracking
- 3. Public and Stakeholder Outreach
- 4. HMP Draft Review
 - What's New?
 - 2025 Framework
 - Review Process
- 5. Next Steps
- 6. Questions/Wrap Up







Jurisdictio	n:						
Name:				Title:			
Data	Start Time	End Time	# hours	Tack Description	Uaueha	Total # hours x	Comments

Date	Start Time	End Time	# hours	Task Description	Hourly Rate	Total # hours x rate	Comments describe task in more detail
					\$		

Scan the QR code for the online form to enter your time.



-orhttps://www.surveymonkey.com/r/ SussexCo_InKindTracker





Public Outreach and Engagement

- Public Outreach Toolkit
 - Social media templates and posts
 - Printable materials
- Surveys
 - Input on draft plan
- HMP website
 https://www.sussexcountynjhmp.com/
- Make efforts to reach out to:
 - General Public
 - Stakeholders
 - Neighbors
 - Socially Vulnerable Populations







HMP Draft Review



- New FEMA requirements
 - Participation engaged and actively participating throughout the process
 - Stakeholder involvement
 - Community lifelines
 - Socially vulnerable populations
 - Effects of future conditions (i.e., climate change) on hazards
 - Current and future capabilities integrating hazard mitigation
 - One mitigation action per hazard



Local Mitigation Planning Policy Guide

FP 206-21-0002

Released April 19, 2022, Effective April 19, 2023

OMB Collection #1660-0062







- Critical facilities reorganized as Lifeline facilities
 - This includes airports, bridges, cell towers, correctional facilities, dams, schools/daycares, EMS, fire, hazmat, hospitals/health care, police, utilities, tornado sirens, wastewater
 - Inventory has been updated























Hazards of Concern –

- Incorporated new hazards, and concise hazard profiles, including recent events
- Risk assessments for each hazard
- Climate change impacts incorporated into the probability of future occurrences
- Adaptive capacity to reduce vulnerability used in hazard ranking
- Impacts on population (general and socially vulnerable), buildings, lifelines, and economy







- Jurisdictional Annexes
 - Enhanced capability assessment including how hazard mitigation is integrated
 - One mitigation action for every hazard of concern





2025 HMP Framework

TETRA TECH

Volume !

- Executive Summary
- Chapter 1. Introduction
- Chapter 2. Planning Process
- Chapter 3. County Profile
- Chapter 4. Risk Assessment Methodology
- Chapter 5. Hazards of Concern ID
- Chapters 6-18. Hazard Profiles
 - Dam Failure, Disease Outbreak, Drought, Earthquake, Flood, Geological Hazards, Hazardous Materials, Hurricane, Infestation, Nor'easter, Severe Weather, Severe Winter Weather, Wildfire

- Chapter 19. Hazard Ranking
- Chapter 20. Capability Assessment
- Chapter 21. Mitigation Strategy
- Chapter 22. Plan Maintenance





2025 HMP Framework



Volume II

- Chapter 1. Planning Partnership
- Chapters 2-26. Jurisdictional Annexes

Appendices

- Appendix A. Adoptions
- Appendix B. Participation
- Appendix C. Meeting Documentation
- Appendix D. Outreach
- Appendix E. Action Worksheet
- Appendix F. Plan Maintenance
- Appendix G. Critical Facilities

- Appendix H. Risk Assessment Supplement
- Appendix I: Mitigation Strategy Supplement
- Appendix J: NJOEM Guidance
- Appendix K: Linkage Procedures





Volume I Executive Summary



- Provides an overview of how the plan is laid out by describing the various chapters within the plan
 - Light summaries of key components of the HMP
 - Hazard Mitigation Overview
 - Planning Process
 - Involvement by Stakeholders and the Public
 - Risk Assessment for Local Hazards of Concern
 - Capability Assessment and Plan Integration
 - Mitigation Strategy



Volume I 1. Introduction

TETRA TECH

- Plan Purpose
- Background of the plan
- Plan Organization
- Planning Differences 2021
 HMP vs. 2025 HMP

Phase 1 Phase 2 Phase 3

Phase 1: Organize Resources

The planning partnership is developed; resources are identified and obtained; public involvement is initiated. Technical, regulatory, and planning experts are identified to support the planning process.

Phase 2: Assess Risks

The planning partnership, with appropriate input, identifies potential hazards, collects data, and evaluates the characteristics and potential consequences of natural and man-made hazards on a community.

Phase 3: Develop a Mitigation Plan

The planning partnership uses the risk assessment process and stakeholder input to understand the risks posed by all hazards, determine what its mitigation priorities should be, and identify options to avoid or minimize undesired effects. The results are a hazard mitigation plan update, including updated mitigation strategies and a plan for implementation.

Phase 4: Implement the Plan and Monitor Progress

The planning partnership brings the plan to life in a variety of ways including implementing specific mitigation projects; changing the day-to-day operation of the Planning Area, as necessary, to support mitigation goals; monitoring mitigation action progress; and updating the plan over time.

HAZUS-MH was applied to help the Planning Area:

- · Identify Hazards (Phase 2)
- · Profile Hazards (Phase 2)
- Perform a Vulnerability Assessment (Phase 2) including:
- Inventory Assets
- Estimate Losses
- Evaluate Development Trends
- Present Results of Risk Assessment

These results provide an input to Phase 3.



Volume I 2. Planning Process

- Introduction
- Organization of the Planning Process
 - Organization of the Planning Partnership
 - Planning Activities
- Stakeholder Outreach and Involvement
 - Federal, State, and County Agencies
 - Regional and Local Stakeholders
 - Stakeholder and Neighbor Survey Summaries
- Public Participation Public Involvement
 - Public Survey Summary
- Plan Integration
- Integration with Planning Mechanisms and Programs
- Continued Public Involvement



2.2.2 Planning Activities

Members of the Planning Partnership (individually and as a whole), as well as key stakeholders, met and communicated as needed to share information. This included workshops to identify hazards, assess risks, undate Members of the Planning Partnership (individually and as a whole), as well as key stakeholders, met and communicated as needed to share information. This included workshops to identify hazards, assess risks, update and strategies and assist in undating mitigation goals and strategies. All members of the Planning Communicated as needed to share information. This included workshops to identify nazards, assess risks, update inventories of critical facilities, and assist in updating mitigation goals and strategies. All members of the Planning supported interaction with other stakeholders, and assisted inventories of critical facilities, and assist in updating mitigation goals and strategies. All members of the Planning with nublic involvement efforts. These activities provided continuity through the process to ensure that natural Partnership had the opportunity to review the draft plan, supported interaction with other stakeholders, and assisted with public involvement efforts. These activities provided continuity through the process to ensure that natural hazard vulnerability information and appropriate mitigation strategies were incorporated.

Table 2-3 summarizes meetings and other planning activities conducted during the development of the conducted during the conducted identifies which 44 CFR 201 requirements each activity satisfies. Documentation of months and stable and stabl sheets, minutes, etc.) may be found in Appendix D (Public and Stakeholder Oct.) formal meetings and milestone events in the plan update process. In advanced deal of communication between Planning Partnership mem



2. Planning Process

Stillwater (Twp)

Vernon (Twp)

Walpack (Twp,

Wantage (Twp.

Sussex (B)

This chapter describes the planning process used to update the Sussex County HMP, including how it was 2. PLANNING PROCESS

prepared, who was involved in the process, and how the public was involved. The planning approach aimed to • The plan is multi-jurisdictional, including all municipalities in the County. Sussex County invited all The plan is muni-junisurcional, including an municipalities in the county, sussex county invited an jurisdictions in the County to join in the planning process. To date, all 24 local municipal governments in jurisdictions in the County to join in the planning process. To date, all 24 local municipal governments the County (the Planning Partnership) have participated in the 2025 plan update process (B indicates achieve the following results:

- boroughs; Twp indicates townships): Hampton (Twp)
 - Sussex County
 - Andover (B) Andover (Twp)
 - Branchville (B)
 - Byram (Twp)
 - Frankford (Twp.

 Hopatcong (B) Lafayette (Twp) Montague (Twp)

Hardyston (Twp)

- Newton (T)
- Ogdensburg (B)
- The format of the plan is such that other entities can easily join at a later date as part of the regulatory



Volume I 3. County Profile

TETRA TECH

- General Information
- Major Past Hazard Events
- Physical Setting
 - Location
 - Hydrography and Hydrology
 - Topography and Geography
 - Climate
 - Land Use and Land Cover
- Population and Demographics
 - General Population Characteristics
 - Vulnerable Populations
 - Population Trends

- General Building Stock
 - Development Trends and New Development
- Lifeline Facilities
 - Formerly discussed as Critical Facilities



Volume I



4. Risk Assessment Methodology

- Describes the various procedures and tools used to complete the risk assessment
- Steps to do so included:
 - Identifying and profiling each hazard of concern
 - Determine exposure to each hazard
 - Assess the vulnerability of exposed population/buildings/economy



Volume I



5. Hazard of Concern Identification

- Describes the process to review all potential hazards and identify the hazards that have the potential to impact the Planning Area
 - Input from all participating jurisdictions
 - Review of the New Jersey State Hazard Mitigation Plan
 - Review of the 2021 Sussex County HMP
 - Research on the frequency, magnitude, and costs associated with hazards that have previously or could feasibly impact the region
 - Qualitative information regarding natural (not human-caused) hazards and the perceived vulnerability of the study area's assets to them.



Volume I



6 - 18. Hazard Profiles

- Created individual chapters for each hazard of concern.
- Each chapter includes:
 - Hazard Profile description, location, extent, worst-case scenario, previous occurrences, climate change projections, and probability of future events
 - Vulnerability Assessment impact on life/health/safety, impact on building stock and critical facilities, impact on economy, future changes that may impact vulnerability, impacts to natural, historical, and cultural resources, and changes in vulnerability since the last plan



Volume I 19. Hazard Ranking



- Provides a preliminary ranking (high, medium, low) of each hazard to show the Planning Area's hazards of greatest risk
- Provides information on the methodology used to determine the preliminary hazard rankings





Volume I 20. Capability Assessment

- What is currently available at the federal, state, and county level to support mitigation in Sussex County
 - Available plans, programs, & resources
 - Administrative and technical capabilities
 - Fiscal capabilities
 - Education and outreach







Volume I 21. Mitigation Strategy



- Past accomplishments
- Goals and Objectives
- Mitigation strategy development and update
 - Action identification
 - Evaluation and prioritization
 - Benefit/cost review

Goal Number	2025 Goals				
1	Protect Life				
2	Protect Property				
3	Increase public preparedness and awareness				
4	Develop and maintain an understanding of increased risk from climate change impacts to natural hazards				
5	Enhance mitigation capabilities to reduce hazard vulnerabilities				
6	Support continuity of operations pre-, during, and post-hazard events				
7	Reduce the risk of natural hazards for socially vulnerable populations				
8	Address long-term vulnerabilities from High Hazard Dams.				





Volume I 22. Plan Maintenance



- Ongoing Planning Partnership –
 meet annually to discuss HMP
- Monitoring
- Continuous evaluation and progress reports
- Updating
- Integrating the HMP with existing and future programs
- Continued public involvement







TETRA TECH

Volume II

Chapter 1 – Introduction

- Participating jurisdictions
- Introduction to jurisdictional annexes

Chapters 2-26 – Jurisdictional **Annexes**

- Points of Contact and Who **Participated**
- Jurisdictional Profile
- Capabilities
- Risk Assessment
- Status of Past Mitigation Actions
- Current Mitigation Actions



This jurisdictional annex to the Sussex County Hazard Mitigation Plan (HMP) provides information to assist public and private sectors in the County of Sussex 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 Sussex, describes who participated in the planning process, assesses Sussex's risk, vulnerability, and capabilities, and outlines a

2.1 HAZARD MITIGATION PLANNING TEAM

The County of Sussex identified primary and alternate HMP points of contact and developed this plan over the course of several months, with input from many County departments. The Deputy Emergency Management Coordinators represented the community on the Sussex County HMP Planning Partnership, and Steering Committee, and 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

Table 2-1 summarizes County officials who participated in the development of the annex and in what capacity. Additional documentation of the County's planning activities through Planning Partnership meetings is included in



Section Contents - Appendices



- Appendix A. Adoptions
- Appendix B. Participation
- Appendix C. Meeting **Documentation**
- Appendix D. Outreach
- Appendix E. Action Worksheet
- Appendix F. Plan Maintenance
- Appendix G. Critical Facilities

- Appendix H. Risk Assessment Supplement
- Appendix I: Mitigation Strategy Supplement
- Appendix J: NJOEM Guidance
- Appendix K: Linkage Procedures





FEMA Approval Process



- The plan is made available for public review.
- The second draft will be submitted to NJOEM. and FEMA for review and approval.
- The third draft will be submitted to FEMA for review and approval
 - Once approved, FEMA will grant the plan 'Approvable Pending Adoption' status, meaning FEMA will approve the plan once it has been locally adopted.
- The County and municipalities will formally adopt the plan.
 - Resolution is submitted to FFMA and FFMA grants final approval.







Review the Draft Plan



- The entire plan will be posted on the Sussex County HMP website for a 30-day review period (starting today, November 21, 2024)
 - Review the plan during the public review, and we will incorporate any applicable revisions into the final deliverable to the State and FEMA
- NJOEM will begin their review after the public review period
- Public feedback to be incorporated as appropriate prior to submittal to NJOEM/FEMA for their review
 - If needed, we will hold a brief meeting to discuss public comments and how to incorporate – date TBD



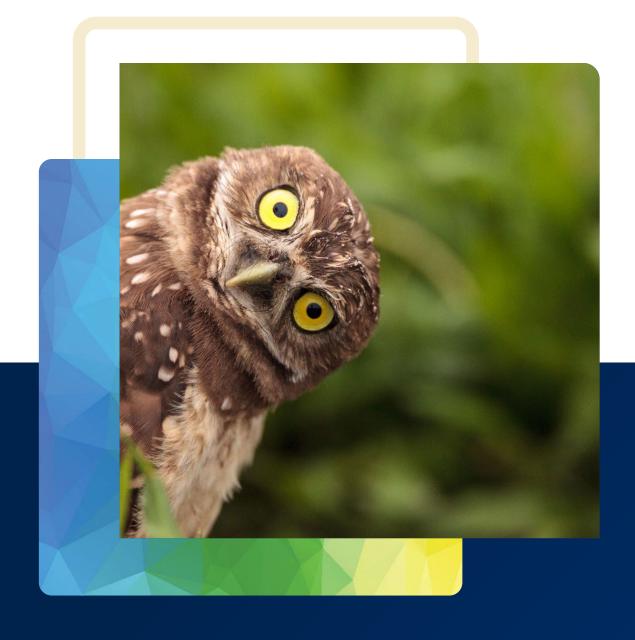


Next Steps



- Draft Plan Review Meeting TODAY!
- Public Review Period (30 days) November 21 through December 21
- Submit Draft Plan for NJOEM Review by end of December 2024
- Submit Draft Plan for FEMA Review by mid-February; begin adoption
- FEMA approves plan (early April); continue adoption





Questions?

