

SECTION 1. INTRODUCTION

In response to the requirements of the Disaster Mitigation Act of 2000 (DMA 2000), Mercer County and the municipalities located therein have developed this Hazard Mitigation Plan (HMP), which represents a regulatory update to the 2016 Mercer County Multi-Jurisdictional Hazard Mitigation Plan Update (2016 HMP). The DMA 2000 amends the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) and is designed to improve planning for, response to, and recovery from disasters by requiring state and local entities to implement pre-disaster mitigation planning and develop HMPs. The Federal Emergency Management Agency (FEMA) has issued guidelines for HMPs. The New Jersey Office of Emergency Management (NJOEM), supports plan development for jurisdictions in New Jersey.

Hazard Mitigation is any sustained action taken to reduce or eliminate the long-term risk and effects that can result from specific hazards.

FEMA defines a **Hazard Mitigation Plan** as the documentation of a

state or local government

evaluation of natural hazards and

the strategies to mitigate such

hazards.

Specifically, the DMA 2000 requires that states, with support from local governmental agencies, develop and update HMPs on a five-year basis to prepare for and reduce the potential impacts of natural hazards. The DMA 2000 is intended to facilitate cooperation between state and local authorities, prompting them to work together. This enhanced planning better enables local and state governments to articulate accurate needs for mitigation, resulting in faster allocation of funding and more effective risk reduction projects.

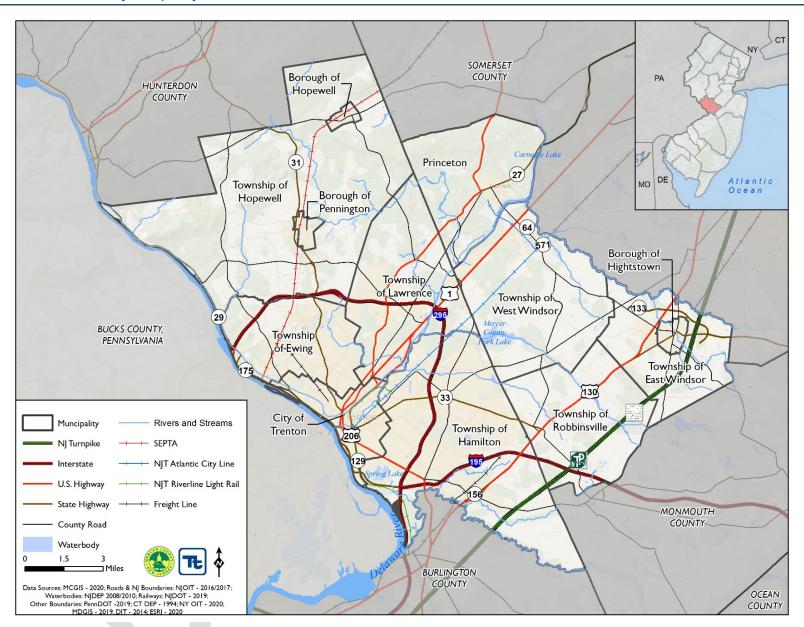
Mercer County and all municipalities are participating in the plan update; refer to Table 1-1 and Figure 1-1.

Table 1-1. Participating Jurisdictions

Jurisdictions		
East Windsor Township	Lawrence Township	
Township of Ewing	Borough of Pennington	
Hamilton Township Princeton		
Borough of Hightstown	Township of Robbinsville	
Hopewell Borough City of Trenton		
Hopewell Township West Windsor Township		
Mercer County		



Figure 1-1. Mercer County New Jersey





1.1 DMA 2000 ORIGINS -THE STAFFORD ACT

In the early 1990s, a new federal policy regarding disasters began to evolve. Rather than reacting whenever disasters strike communities, the federal government began encouraging communities to first assess their vulnerability to various disasters and proceed to take actions to reduce or eliminate potential risks. The logic is that a disaster-resistant community can rebound from a natural disaster with less loss of property or human injury, at much lower cost, and, consequently, more quickly. Moreover, these communities minimize other costs associated with disasters, such as the time lost from productive activity by business and industries.

The DMA 2000 provides an opportunity for states, tribes, and local governments to take a new and revitalized approach to mitigation planning. The DMA 2000 amended the Stafford Act by repealing the previous mitigation planning provisions (Section 409) and replacing them with a new set of requirements (Section 322). Section 322 sets forth the requirements that communities evaluate natural hazards within their respective jurisdictions and develop an appropriate plan of action to mitigate those hazards, while emphasizing the need for state, tribal and local governments to closely coordinate mitigation planning and implementation efforts.

The amended Stafford Act requires that each local jurisdiction identify potential natural hazards to the health, safety, and well-being of its residents and identify and prioritize actions that the community can take to mitigate those hazards—before disaster strikes. To remain eligible for hazard mitigation assistance from the federal government, communities must first prepare and then maintain and update an HMP (this plan).

Responsibility for fulfilling the requirements of Section 322 of the Stafford Act and administering the FEMA Hazard Mitigation Program has been delegated to the State of New Jersey, specifically to NJOEM. FEMA also provides support through guidance, resources, and plan reviews.

1.2 BENEFITS OF MITIGATION PLANNING

Mitigation planning forms the foundation for Mercer County's long-term strategy to reduce disaster losses and break the cycle of disaster damage, reconstruction, and repeated damage. Mitigation planning also allows Mercer County participating jurisdictions to remain eligible for mitigation grant funding for mitigation projects that will reduce the impact of future disaster events. The long-term benefits of mitigation planning include the following:

 An increased understanding of hazards faced by Mercer County and their inclusive jurisdictions.

	tional Benefit-Cost Ratio (BCR) Per *BCR numbers in this study have been ro Overall Hazard Benefit-Cost	unded Requirements	Federally Funded \$6:1
1	Riverine Flood	\$5:1	\$7:1
1	🚊 Hurricane Surge	\$7:1	Too few grants
1	Wind	\$5:1	\$5:1
Į,	Earthquake	\$4:1	\$3:1
1	Wildland-Urban Interface Fire	\$4:1	\$3:1

Source: FEMA 2018; Federal Insurance Mitigation Administration 2018

Note: Natural hazard mitigation saves \$6 on average for every \$1 spent on federal mitigation grants.

- Building more sustainable, resilient, and disaster-resistant communities.
- Increasing education and awareness of hazards and their threats, as well as their risks.
- Developing implementable and achievable actions for risk reduction in the county and its jurisdictions.
- Building relationships by involving residents, organizations, and businesses.
- Identify implementation approaches that focus resources on the greatest risks and vulnerabilities.
- Financial savings through partnerships that support planning and mitigation efforts.
- Focused use of limited resources on hazards that have the biggest impact on the community.
- Reduced long-term impacts and damages to human health and structures.
- Reduced repair costs.



1.3 HAZARD MITIGATION PLAN OVERVIEW

The structure of this HMP follows the four-phase planning process recommended by FEMA and summarized in Figure 1-2. Table 1-2 summarizes the requirements outlined in the DMA 2000 Interim Final Rule and provides the section where each is addressed in this HMP. This HMP is organized in accordance with FEMA and NJOEM guidance. This plan was prepared in accordance with the following:

- FEMA Local Mitigation Planning Handbook, March 2013.
- FEMA Integrating Hazard Mitigation into Local Planning, March 1, 2013.
- FEMA Plan Integration: Linking Local Planning Efforts, July 2015.
- Local Mitigation Plan Review Guide, October 1, 2011.
- DMA 2000 (Public Law 106-390, October 30, 2000).
- 44 Code of Federal Regulations (CFR) Parts 201 and 206 (including: Feb. 26, 2002, Oct. 1, 2002, Oct. 28, 2003, and Sept. 13, 2004 Interim Final Rules).
- FEMA How-To Guide for Using HAZUS-MH-MH for Risk Assessment FEMA Document No. 433, February 2004.
- FEMA Mitigation Planning How-to Series (FEMA 386-1 through 4), 2002, available at: http://www.fema.gov/fima/planhowto.shtm.
- FEMA Mitigation Ideas: A Resource for Reducing Risk to Natural Hazards, January 2013





Figure 1-2. Mercer County Hazard Mitigation Planning Process

Phase 1: Organize Resources

Phase 1

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

Phase 2

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

Phase 3

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

Phase 4 include to-day support

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 Mercer County and jurisdictions, as necessary, to support mitigation goals; monitoring mitigation action progress; and updating the plan over time.

<u>Hazus</u> was applied to help Mercer County:

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

These results provide an input to Phase 3.

Table 1-2. FEMA Local Mitigation Plan Review Crosswalk

HMP Criteria	Primary Location in the HMP	
Prerequisites	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Adoption by the Local Governing Body: §201.6(c)(5)	Section 1; Appendix A	
Planning Process		
Documentation of the Planning Process: §201.6(b) and §201.6(c)(1)	Section 2; Section 8	
Risk Assessment		
Identifying Hazards: §201.6(c)(2)(i)	Sections 4.1	
Profiling Hazards: §201.6(c)(2)(i)	Section 4.3	
Assessing Vulnerability: Overview: §201.6(c)(2)(ii)	Section 4.3	
Assessing Vulnerability: Identifying Structures: §201.6(c)(2)(ii)(A)	Section 3; Section 4.2; Section 4.3; Section 9	
Assessing Vulnerability: Estimating Potential Losses: §201.6(c)(2)(ii)(B)	Section 4.3; Section 9	
Assessing Vulnerability: Analyzing Development Trends: §201.6(c)(2)(ii)(C)	Section 3; Section 4.3; Section 9	
Mitigation Strategy		
Local Hazard Mitigation Goals: §201.6(c)(3)(i)	Section 6; Section 9	
Identification and Analysis of Mitigation Actions: §201.6(c)(3)(ii)	Section 6; Section 9	
Implementation of Mitigation Actions: §201.6(c)(3)(iii)	Section 6; Section 9	
Multi-Jurisdictional Mitigation Actions: §201.6(c)(3)(iv)	Section 6; Section 9	
Plan Maintenance Process		



HMP Criteria	Primary Location in the HMP
Monitoring, Evaluating, and Updating the Plan: §201.6(c)(4)(i)	Section 7
Incorporation into Existing Planning Mechanisms: §201.6(c)(4)(ii)	Section 6; Section 7; Section 9
Continued Public Involvement: §201.6(c)(4)(iii)	Section 7

1.4 PLANNING PROCESS OVERVIEW

Mercer County and all participating municipalities intend to implement this HMP with full coordination and participation of County and local departments, organizations and groups, and relevant state and federal entities. Coordination helps to ensure that stakeholders have established communication channels and relationships necessary to support mitigation planning and mitigation actions included in Section 6 (Mitigation Strategy) and Section 9 (Jurisdictional Annexes).

During the Mercer County HMP planning process, the State of New Jersey and Mercer County were facing the COVID-19 pandemic. The COVID-19 pandemic was declared a major disaster on March 25, 2020 (DR-4488). Mercer County has been greatly impacted by the COVID-19 pandemic with 34,462 positive cases and 963 confirmed deaths as of July 27, 2021.

The Mercer County Office of Emergency Management (OEM), Steering Committee members and the planning partners (County departments, municipalities, and stakeholders) were facing the COVID-19 pandemic concurrent with completing the update to the HMP. Mercer County and all planning partners made their best effort to work through this unprecedented time to complete the HMP update and meet FEMA and State requirements. Due to social distancing measures to reduce the spread of COVID-19, remote meetings were utilized instead of in-person meetings. This included planned public meetings throughout the planning process.

The Mercer County OEM website was updated, an interactive StoryMap was created, and social media was utilized to advertise the draft plan posting. All planning partners were notified that the draft plan was posted for public and stakeholder review, were provided social media posts/images, and were asked to distribute these notifications in their jurisdictions. Last, stakeholders that were distributed the stakeholder surveys were notified via email that the draft plan was posted for public review and comment. Refer to Section 2 (Planning Process) and Appendix D (Public and Stakeholder Engagement) for additional details on public and stakeholder outreach. Any public and stakeholder comments received on the draft plan were shared with the planning partners via email and discussed with the Steering Committee. To complete the update to the draft plan prior to submission to NJOEM, teleconference meetings were held in a best effort to complete jurisdictional annexes given staffing constraints during the active pandemic.

1.5 MULTIPLE AGENCY SUPPORT FOR HAZARD MITIGATION

Primary responsibility for the development and implementation of mitigation strategies and policies lies with local governments. However, local governments are not alone; various partners and resources at the regional, state, and federal levels are available to assist communities in the development and implementation of mitigation strategies. Within New Jersey, NJOEM is the lead agency providing hazard mitigation planning assistance to local jurisdictions. NJOEM provides guidance to support mitigation planning. In addition, FEMA provides grants, tools, guidance, and training to support mitigation planning.



The Mercer County OEM, and the Steering Committee provided project management and oversight of the planning process. Participating jurisdictions were asked to identify a primary and alternate local point of contact (POC) to be members of the Planning Committee and lead the planning process update on behalf of the jurisdiction. At the start of the planning process, each municipality identified their National Flood Insurance Program (NFIP) Floodplain Administrator (FPA) and requested their involvement. Further, each jurisdiction was encouraged to form a 'mitigation team' comprised of representatives across departments to ensure broad participation, share the work of

Steering Committee (SC) is comprised of County and municipal representatives that guide and lead the HMP update process on behalf of the Planning Partnership.

Planning Committee (PC) is comprised of representatives from each participating jurisdiction (County and municipalities).

Planning Partnership = SC + PC

the update process and ensure accurate information was captured in their chapter, or annex.

The municipal mitigation teams worked directly with the primary and alternate POCs, and the NFIP FPA, and contributed to the jurisdictional annexes presented in Section 9. Together, the Steering Committee and Planning Committee are referred to as the Planning Partnership for the Mercer County HMP update. A list of Steering Committee and jurisdiction POCs is provided in Section 2 (Planning Process), while Appendix B (Participation Documentation) and Appendix C (Meeting Documentation) provide further documentation of the broader level of municipal involvement. Additional input and support for this planning effort was obtained from a range of agencies and through public and stakeholder involvement (as discussed in Section 2 and presented in Appendix D – Public and Stakeholder Outreach).

1.6 GOALS AND OBJECTIVES

The planning process included a review and update of the prior mitigation goals and objectives as a basis for the planning process and selection of appropriate mitigation actions addressing all hazards of concern. Further, the goal development process considered the mitigation goals expressed in the 2019 State of New Jersey HMP, as well as other relevant county and local planning documents, as discussed in Section 6 (Mitigation Strategy).

1.7 HAZARDS OF CONCERN

Mercer County and participating jurisdictions reviewed the hazards that caused measurable impacts based on events, losses, and information available since the development of the 2016 Mercer County HMP and the 2019 State of New Jersey HMP. A list of potential hazards of concern was reviewed by the Planning Partnership, and each was evaluated to identify the hazards of concern for the 2021 update planning process. The list was presented to each of the participating jurisdictions where they evaluated their risk and vulnerability from each hazard of concern. While the overall hazard rankings were calculated for the County and each participating jurisdiction, the specific hazard rankings displayed in each annex reflect jurisdictional input. The hazard risk rankings were used to focus and prioritize individual jurisdictional mitigation strategies.

1.8 PLAN INTEGRATION INTO OTHER PLANNING MECHANISMS

Plan integration is the process by which jurisdictions look at their existing planning framework and align efforts with the goal of building a safer, smarter, and more resilient community. It is specific to each community and depends on the vulnerability of the built environment. Community-wide plan integration supports risk reduction through various planning and development measures, both before and after a disaster. Plan integration involves a community's plans, policies, codes, and programs that guide development and the roles of people and government in implementing these capabilities. Successful integration occurs through collaboration among a diverse set of stakeholders in the community.





Effective mitigation is achieved when hazard awareness and risk management approaches and strategies are integrated into local planning mechanisms and become an integral part of public activities and decision making. Within Mercer County, there are numerous existing plans and programs that support hazard risk management and reduction, and thus, it is critical that the 2021 HMP update integrates, coordinates with, and complements those mechanisms.

Section 5 (Capability Assessment) provides a summary and description of the existing plans, programs and regulatory mechanisms at all levels of government (federal, state, county, local) that support hazard mitigation within the County. Within each jurisdictional annex in Section 9 (Jurisdictional Annexes), the County and each participating jurisdiction identified how they have integrated hazard risk management into their existing planning, regulatory and operational/administrative framework ("existing integration"), and how they intend to promote this integration ("opportunities for future integration").

A further summary of these continued efforts to develop and promote a comprehensive and holistic approach to hazard risk management and mitigation is presented in Section 9 (Jurisdictional Annexes).

1.9 IMPLEMENTATION OF PRIOR AND EXISTING LOCAL HAZARD MITIGATION PLANS

Section 9 (Jurisdictional Annexes) of the plan present the status of the mitigation projects identified in the 2016 Mercer County HMP. Numerous projects and programs have been implemented that have reduced hazard vulnerability to assets in the planning area. The County and jurisdictional annexes, as well as plan maintenance procedures in Section 7 (Plan Maintenance), were developed to encourage specific activities. Future actions include integrating hazard mitigation goals into Master Plan updates; reviewing the HMP during updates of codes, ordinances, zoning, and development; and ensuring a more thorough integration of hazard mitigation, with its related benefits into municipal operations, will be completed within the upcoming five-year planning period.

1.10 IMPLEMENTATION OF THE PLANNING PROCESS

The planning process and findings are required to be documented in local HMPs. To support the planning process in developing this HMP, Mercer County and the participating jurisdictions have accomplished the following:

- Developed a Steering Committee and Planning Partnership with jurisdictions and stakeholders.
- Reviewed the 2016 Mercer County Hazard Mitigation Plan.
- Identified and reviewed those hazards that are of greatest concern to Mercer County and its jurisdictions (hazards of concern) to be included in the plan.
- Profiled the relevant hazards.
- Estimated the inventory at risk and potential losses associated with the relevant hazards.
- Reviewed and updated the hazard mitigation goals and objectives.
- Reviewed mitigation strategies identified in the 2016 Mercer County HMP.
- Developed new mitigation actions to address reduction of vulnerability of hazards of concern.
- Involved a wide range of stakeholders and the public in the plan process.
- Developed mitigation plan maintenance procedures to be executed after obtaining approval of the plan from NJOEM and FEMA.

As required by the DMA 2000, Mercer County and its participating jurisdictions have informed the public and provided opportunities for public comment and input. Numerous agencies and stakeholders were invited to participate in the planning process by providing input and expertise. Refer to Appendix D (Public and



Stakeholder Outreach) for copies of public announcements, social media posts and other forms of public and stakeholder outreach conducted.

1.11 ADOPTION

Upon FEMA Approval Pending Adoption (APA) status of the 2021 HMP update, Mercer County and each municipality will adopt the plan by resolution of local governing body. An example resolution authorizing adoption of the 2021 Mercer County HMP may found in Appendix A. Upon receipt of the FEMA APA status, participants will adopt the plan and the resolutions saved in Appendix A. Please refer to Section 8 (Planning Partnership) for additional information on plan adoption procedures.

1.12 ORGANIZATION OF THE HAZARD MITIGATION PLAN

The Mercer County HMP update is organized as a two-volume plan. Volume I provides information on the overall planning process and hazard profiling and vulnerability assessments, which serves as a basis for understanding risk and identifying mitigation actions. As such, Volume I is intended for use as a resource for on-going mitigation analysis. Volume II provides an annex dedicated to each participating jurisdiction. Each annex summarizes the jurisdiction's legal, regulatory, and fiscal capabilities; identifies vulnerabilities to hazards; documents mitigation plan integration with other planning efforts; records status of past mitigation actions; and presents an individualized mitigation strategy. The annexes are intended to provide a useful resource for each jurisdiction for implementation of mitigation projects and future grant opportunities, as well as place for each jurisdiction to record and maintain their local aspect of the countywide plan.

Volume I of this HMP includes the following sections:

Section 1: Introduction: Overview of participants, planning process and information regarding adoption of the HMP by Mercer County and each participating jurisdiction.

Section 2: Planning Process: Description of the HMP methodology and development process; Steering Committee, Planning Committee, Planning Partnership, and public and stakeholder involvement efforts; and a description of how this HMP will be incorporated into existing programs.

Section 3: County Profile: Overview of Mercer County, including: (1) physical setting, (2) land use, (3) land use trends, (4) population and demographics, (5) general building stock and (6) critical facilities and lifelines.

Section 4: Risk Assessment: Documentation of the hazard identification and hazard risk ranking process, hazard profiles, and findings of the vulnerability assessment (estimates of the impact of hazard events on life, safety, health, general building stock, critical facilities and lifelines, the economy).

Section 5: Capability Assessment: A summary and description of the existing plans, programs, and regulatory mechanisms at all levels of government (federal, state, county, local) that support hazard mitigation within the County.

Section 6: Mitigation Strategy: Information regarding the mitigation goals and objectives in response to priority hazards of concern and the process by which Mercer County and local mitigation strategies have been developed or updated.

Section 7: Plan Maintenance Procedures: System established to continue to monitor, evaluate, maintain, and update the HMP.

Volume II of this plan includes the following sections:



Section 8: Planning Partnership: Description of the planning partnership, their responsibilities, and description of jurisdictional annexes.

Section 9: Jurisdictional Annexes: Jurisdiction-specific annex for Mercer County and each participating jurisdiction containing their hazards of concern, hazard ranking, capability assessment, mitigation actions, action prioritization specific only to Mercer County or that jurisdiction, progress on prior mitigation activities (as applicable), and a discussion of prior local hazard mitigation plan integration into local planning processes.

Appendices include the following:

Appendix A: Plan Adoption: Resolutions from the County and each jurisdiction included as each formally adopts the HMP update.

Appendix B: Participation Documentation: Matrix to give a broad overview of who attended meetings and when input was provided to the HMP update, as well as Letters of Intent to Participate described in Section 2 (Planning Process), and additional worksheets submitted during workshops conducted throughout the planning process.

Appendix C: Meeting Documentation: Agendas, attendance sheets, meeting notes, and other documentation (as available and applicable) of planning meetings convened during the development of the plan.

Appendix D: Public and Stakeholder Outreach: Documentation of the public and stakeholder outreach effort including webpages, informational materials, public and stakeholder meetings and presentations, surveys, interactive StoryMap, and other methods used to receive and incorporate public and stakeholder comment and input to the plan process.

Appendix E: Risk Assessment Supplementary Data: Expanded explanation of community lifelines and the previous hazard events from the 2016 HMP.

Appendix F: Mitigation Strategy Supplementary Data: Documentation of the broad range of actions identified during the mitigation process; types of mitigation actions; the mitigation catalog developed using jurisdiction input and potential mitigation funding sources.

Appendix G: Plan Maintenance Tools: Examples of plan review tools and templates available to support annual plan review.

Appendix H: Linkage Procedures: Procedures for non-participating local governments to "link" to the plan within the period of performance to gain eligibility for programs under the DMA 2000.

Appendix I: Dam Failure (Confidential): This is a confidential appendix that summarizes the dam failure hazard more specifically and includes estimated potential impacts from dam failure events where spatial inundation areas were available. This appendix contains sensitive information that will not be available as part of the public plan.

1.13 THE UPDATED PLAN – WHAT IS DIFFERENT?

Both the planning process and the 2021 HMP have been enhanced for this update. An increased effort to actively engage stakeholders and the public was a focus of the update; as well as the continued education of the Planning Partnership of mitigation and available grant funding opportunities. The mitigation strategy was updated to only contain detailed actions that are considered priority to each jurisdiction (i.e., quality not quantity). Further, the sections in the 2021 HMP have been realigned to increase the readability of the plan. The following summarizes process and plan changes that differ from the 2016 process and HMP:



- Section 2 (Planning Process) was formerly Section 3 in the 2016 HMP.
 - o This section now comprises the Planning Process section of the plan.
 - Adoption information has been re-located to Section 8 (Planning Partnership) and Appendix A.
 - O The Steering Committee was expanded to include additional County Departments (Housing and Community Development, Office of Economic Development), a municipal representative (Princeton), a major employer in the County (Capital Health System), as well as a representative from the Mercer County Community College, Mercer County Superintendent of Schools, and the Rutgers Cooperative Extension of Mercer County.
 - Stakeholder outreach was enhanced to not only have a stakeholder survey available and publicly posted, but stakeholders were directly contacted to take the survey and attend our Planning Partnership meetings. This included academia, businesses and civic associations, emergency services, environmental entities, transportation and utility providers, state departments, non-profit organizations, and neighboring counties both in NJ and Pennsylvania.
 - The Delaware Valley Regional Planning Commission was invited to participate in the planning process, provided planning documents and capabilities available to municipalities, and met with the planning consultant.
- Section 4 (Risk Assessment) has been streamlined and updated as summarized below.
 - A new hazard of concern, Infestation and Invasive Species, inclusive of harmful algal bloom, was added to the plan.
 - The flood hazard was expanded to include urban flooding or flooding outside of the floodplain. The Planning Partnership identified locations of urban flooding utilizing a spatial identification tool which was developed into a spatial layer to inform the mitigation strategy.
 - A quantitative dam failure vulnerability assessment was conducted and included in a confidential appendix.
 - The updated plan is based on new inventory data (i.e., building footprints, updated replacement cost values, critical facilities and community lifelines) and updated spatial hazard data.
 - The topic of FEMA community lifelines is included. All jurisdictions identified critical facilities considered lifelines in accordance with FEMA's community lifeline definition. In addition, the inventory expanded to include lifeline types not considered in the 2016 HMP.
 - The hazard ranking methodology was expanded to include adaptive capacity and climate change.
- Section 5 (Capability Assessment) and Section 9 (Jurisdictional Annexes) were subject to several changes in the capability assessment, both in Volumes I and II of the plan.
 - Section 5 (Capability Assessment) is now a stand-alone section for the capability assessment summarizing existing plans, programs and regulatory mechanisms at all levels of government (federal, state, county, local) that support hazard mitigation within the County. This information was formerly part of Section 6 (Mitigation Strategy) in the 2016 HMP.
 - Section 9 (Jurisdictional Annexes) has an expanded capability assessment to include additional planning mechanisms in New Jersey as well as information regarding plan integration in the Planning, Legal and Regulatory table.
- Section 6 (Mitigation Strategy) An enhanced mitigation strategy process was utilized to develop a robust and actional action plan.
 - A new goal and associated objectives were included in the plan to address high hazard potential dams.
 - o A mitigation toolbox was built to assist with mitigation action identification.
 - A Strengths, Weaknesses, Obstacles and Opportunities exercise was conducted to gain a better understanding of areas of improvement and challenges faced with risk reduction.
 - Utilizing the risk assessment and capability assessment results, problem statements were drafted by each municipality and used to inform the mitigation action development.



- A mitigation strategy workshop was conducted in June 2021 and supported by NJOEM and FEMA to focus on the development of specific problem statements based on the impacts of natural hazards in the County and communities. These problem statements provided a detailed description of the problem area, including its impacts to the municipality/jurisdiction; past damages; loss of service; etc.
- O An effort was made to include the property/project location, adjacent streets, water bodies, and well-known structures as well as a brief description of existing conditions (topography, terrain, hydrology) of the site. These problem statements form a bridge between the hazard risk assessment which quantifies impacts to each community with the development of actionable mitigation strategies.
- O Actions are identified, rather than strategies. Strategies provide direction, but actions are fundable under grant programs. The identified actions are designed to meet multiple measurable objectives, so that each planning partner can measure the effectiveness of their mitigation actions.
- The jurisdictional annexes in Section 9 have been enhanced to include the following:
 - o Identification of the NFIP Floodplain Administrator and individuals that contributed to the annex are identified as part of the hazard mitigation planning team.
 - Expanded capability assessment including the identification of additional administrative and technical capabilities and catalog of adaptive capacity for each hazard of concern for each jurisdiction.
 - Expansion of the critical facility and lifeline flood hazard exposure table to include a mitigation action, if appropriate.
 - o A user-friendly presentation of the hazard ranking results.
 - A revised 2016 previous mitigation strategy status table to more clearly identify if the action is to be included in the 2021 HMP update.
 - An increased focus on actionable projects has been applied; removing actions that are capabilities and focusing on high-ranked hazards.
 - A more detailed proposed mitigation action table that now specifies the problem statement and the proposed solution (mitigation action). The more detailed mitigation strategy is also reflected in the mitigation action worksheets that also include additional details.
 - o A table that summarizes the actions across the ranked hazards and their mitigation action types.
 - o Individuals that contributed to the annex are specifically listed in Table 9.X.1.
 - Mitigation action worksheets have only been developed for FEMA-eligible projects, per NJOEM guidance.
- To increase public engagement, the following efforts were made:
 - o All Planning Partnership meetings were made open to the public.
 - Social media (Facebook and Twitter) was used to inform the public of meetings and to take the citizen survey.
 - An interactive StoryMap was developed to engage residents and stakeholders. The StoryMap has
 interactive web maps to pan around the County and view the hazard areas. It also links directly to
 the public and stakeholder surveys distributed.
- A user-friendly tone was used to cater to the strong desire for this plan to be understandable to the general public and not overly technical. This includes limiting the hazard profile section to brief summaries and providing an increased number of graphical summaries throughout the risk assessment.
- Section 7 (Plan Maintenance Procedures) The plan maintenance strategy is more clearly defined to provide a roadmap for the annual monitoring of the plan.

Table 1-3 summarizes the major changes between the two plans as they relate to 44 CFR planning requirements.



Table 1-3. HMP Changes Crosswalk

AA CED Dogwiyayay	2017 HMD	2024 Undated HMD
Requirement §201.6(b): In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include: (1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval; (2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and nonprofit interests to be involved in the planning process; and (3) Review and incorporation, if appropriate, of existing plans, studies, reports and technical information.	The 2016 plan followed an outreach strategy utilizing multiple media developed and approved by the Steering Committee. This strategy involved the following: • Establishment of a plan informational website. • Press release • Use of public and stakeholder information surveys. Stakeholders were identified and coordinated with throughout the process. A comprehensive review of relevant plans and programs was performed by the planning team.	Building upon the success of the 2016 plan, the 2021 planning effort deployed an enhanced public engagement methodology: • Use of social media (Facebook and Twitter). • Web-deployed surveys to residents and targeted stakeholders • All meetings open to the public • Development of an interactive StoryMap to provide risk communication to residents and direct access to the citizen and stakeholder surveys. As with the 2016 plan, the 2021 planning process identified key stakeholders and coordinated with them throughout the process. The Steering Committee was expanded to include additional County Departments (Housing and Community Development, Office of Economic Development), a municipal representative (Princeton), a major employer in the County (Capital Health System), as well as a representative from the Mercer County Community College, Mercer County Superintendent of Schools, and the Rutgers Cooperative Extension of Mercer County. A comprehensive review of relevant
§201.6(c)(2): The plan shall include a risk assessment that provides the factual basis for activities proposed in the strategy to reduce losses from identified hazards. Local risk assessments must provide sufficient information to enable the jurisdiction to identify and prioritize appropriate mitigation actions to reduce losses from identified hazards.	The 2016 plan included a comprehensive risk assessment of hazards of concern. Risk was defined as (probability x impact), where impact is the impact on people, property, and economy of the planning area. All planning partners ranked hazard risk as it pertains to their jurisdiction. The potential impacts of climate change are discussed for each hazard.	plans and programs was performed by the planning team. New and updated data hazard and inventory data was utilized for the 2021 plan's risk assessment update. The flood hazard was expanded to include urban flooding (or flooding outside of the floodplain). A new hazard of concern, infestation and invasive species was included. The hazard ranking methodology was expanded to include adaptive capacity and climate change. Jurisdictionspecific risk assessment results are summarized in Section 4 (Risk Assessment) and in each jurisdictional annex (Section 9).
§201.6(c)(2)(i): [The risk assessment] shall include a] description of the location and extent of all-natural hazards that can affect the jurisdiction. The plan shall include information on previous occurrences of hazard events and on the probability of future hazard events.	The 2016 plan presented a risk assessment of each hazard of concern. Each section included the following: Hazard profile, including maps of extent and location, previous	A similar format, using new and updated data, was used for the 2021 plan update. Each section of the risk assessment includes the following along with an expanded section to discuss future changes that may impact vulnerability:



44 CFR Requirement	2016 HMP	2021 Updated HMP
	occurrences, and probability of future events. Climate change impacts on future probability. Impact and vulnerability on life, health, safety, general building stock, critical facilities, and economy. Future growth and development.	 Hazard profile, including maps of extent and location, previous occurrences, and probability of future events. Climate change impacts on future probability using the best available data for New Jersey. Vulnerability assessment includes impact on life, safety, and health, general building stock, critical facilities/lifelines, and the economy, as well as future changes that could impact vulnerability (population, development, and climate). The vulnerability assessment also includes changes in vulnerability since the 2016 plan.
§201.6(c)(2)(ii): [The risk assessment] shall include a] description of the jurisdiction's vulnerability to the hazards described in paragraph (c)(2)(i). This description shall include an overall summary of each hazard and its impact on the community.	Vulnerability was assessed for all hazards of concern. The HAZUS-MH-MH computer model was used for the wind, earthquake, and flood hazards. These were Level 2 analyses using County data. Site-specific data on County-identified critical facilities were entered into the HAZUS-MH model. HAZUS-MH outputs were generated for other hazards by applying an estimated damage function to an asset inventory extracted from HAZUS-MH-MH.	A robust vulnerability assessment was conducted for the 2021 plan update, using new and updated asset and hazard data. Volume 1, Section 4.3 summarizes countywide and municipal-specific vulnerability for each hazard of concern.
§201.6(c)(2)(ii): [The risk assessment] must also address National Flood Insurance Program insured structures that have been repetitively damaged floods.	A summary of NFIP insured properties including an analysis of repetitive loss property locations was included in the plan.	Updated NFIP statistics were presented in the 2021 plan update using best available data.
Requirement §201.6(c)(2)(ii)(A): The plan should describe vulnerability in terms of the types and numbers of existing and future buildings, infrastructure and critical facilities located in the identified hazard area.	A complete inventory of the numbers and types of buildings exposed was generated for each hazard of concern. The Steering Committee defined "critical facilities" for the planning area, and these were inventoried by exposure. Each hazard chapter provides a discussion on future development trends.	Quantitative and qualitative analyses were conducted using the updated hazard and inventory data as presented in Section 4 (Risk Assessment). In addition, critical facilities considered community lifelines in accordance with FEMA's definition were identified.
Requirement §201.6(c)(2)(ii)(B): [The plan should describe vulnerability in terms of an] estimate of the potential dollar losses to vulnerable structures identified in paragraph (c)(2)(i)(A) and a description of the methodology used to prepare the estimate.	Loss estimates were generated for all hazards of concern. These were generated by HAZUS-MH-MH for the wind, earthquake, and flood hazards. For the other hazards, loss estimates were generated by applying a regionally relevant damage function to the exposed inventory. In all cases, a damage function was applied to an asset inventory. The asset inventory was the same for all hazards and was generated in HAZUS-MH.	Quantitative and qualitative analyses were conducted using the updated hazard and inventory data as presented in Section 4 (Risk Assessment). Estimated potential losses are reported in both Volume 1, Section 4.3 and Volume II Section 9 for each jurisdiction.
Requirement §201.6(c)(2)(ii)(C): [The plan should describe vulnerability in terms of] providing a general description of land uses and development trends within the	There is a summary of anticipated development in the County profile, as well as in each individual annex.	Potential new development identified by municipalities was conducted to determine if located in hazard areas (Section 9). These results were



44 CFR Requirement	2016 HMP	2021 Updated HMP
community so that mitigation options can	2010 11/11	reported to all participants and
be considered in future land use decisions.		summarized in their annexes to
		discuss mitigation measures. In
		Volume I, Section 4.3, projected
		changes in population and
		development are discussed in each
		hazard section and how these
		projected changes may lead to
		increased vulnerability, or
		plans/regulations/ordinances in place
		to implement mitigation to protect the
		development.
§201.6(c)(3):[The plan shall include a	The 2016 plan contained goals,	The Steering Committee reviewed
mitigation strategy that provides the	objectives, and actions. Each planning	and updated the goals and objectives
jurisdiction's blueprint for reducing the	partner identified actions that could be	and they were approved by the
potential losses identified in the risk	implemented within their capabilities.	Planning Committee. A mitigation
assessment, based on existing authorities,	The actions were jurisdiction-specific	strategy workshop with associated
policies, programs and resources, and its	and strove to meet multiple objectives.	tools and guidance on problem
ability to expand on and improve these	All objectives met multiple goals and	statement development was deployed
existing tools.]	stand alone as components of the plan. Each planning partner completed an	to inform the identification of mitigation actions. Actions that were
	assessment of its regulatory, technical,	completed or no longer considered to
	and financial capabilities.	be feasible were removed; and
	and imanetal capabilities.	actions considered general or
		capabilities were moved to the
		capability and integration sections.
		The balance of the actions was
		carried over to the 2021 plan, and in
		some cases, new actions were added
		to the action plan.
Requirement §201.6(c)(3)(i): [The hazard	The Steering Committee identified	The Steering Committee reviewed
mitigation strategy shall include a]	goals, and objectives targeted	and updated the goals and objectives
description of mitigation goals to reduce or	specifically for this hazard mitigation	and they were approved by the
avoid long-term vulnerabilities to the	plan. These planning components	Planning Committee. One new goal
identified hazards.	supported the actions identified in the	and several new objectives were
	plan.	identified to align with updated
D 1 0004 (() (0) (1) FTH	The code of the latest the control of the code of the	County and municipal priorities.
Requirement §201.6(c)(3)(ii): [The	The 2016 plan included mitigation	For the 2021 update, a mitigation
mitigation strategy shall include a] section	action worksheets that evaluated	catalog was developed to provide a
that identifies and analyzes a comprehensive range of specific	alternative actions considered for the	comprehensive range of specific mitigation actions to be considered. A
	final mitigation strategy.	table with the analysis of mitigation
mitigation actions and projects being considered to reduce the effects of each		actions by type and hazard was used
hazard, with particular emphasis on new		in jurisdictional annexes to the plan.
and existing buildings and infrastructure.		Mitigation action worksheets with an
Thomas contains and initiativation.		alternatives evaluation were prepared
		for FEMA-eligible projects.
Requirement: §201.6(c)(3)(ii): [The	All municipal planning partners that	An analysis of repetitive and severe
mitigation strategy] must also address the	participate in the National Flood	repetitive loss properties was
jurisdiction's participation in the National	Insurance Program indicated their	conducted and is summarized in
Flood Insurance Program, and continued	commitment to maintain compliance	Section 4.3.5 (Flood) and in Section 9
compliance with the program's	and good standing under the program.	(Jurisdictional Annexes).
requirements, as appropriate.		Municipalities with repetitive and
		severe repetitive loss properties
		included an action to mitigate those
		properties.
Requirement: §201.6(c)(3)(iii): [The	Each recommended action was	A revised methodology to evaluate
mitigation strategy shall describe] how the	prioritized using a revised	mitigation alternatives based on the
actions identified in section (c)(3)(ii) will	methodology based on the STAPLEE	STAPLEE with expanded criteria and
be prioritized, implemented and	criteria was used to prioritize projects.	using new and updated data was used
administered by the local jurisdiction.		for the 2021 plan update. A total of



Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs. 14 criteria were used to evaluate each potential mitigation action. The evaluation included a qualitative benefits and cost review. The results of the evaluation included a qualitative benefits and cost review. The results of the evaluation included a qualitative benefits and cost review. The results of the evaluation included a qualitative benefits and cost review. The results of the evaluation included a qualitative benefits and cost review. The results of the evaluation included in the plan and assist with the prioritization. An emphasis was placed on benefits and costs (quantified where possible and listed in the mitigation action of greatest importance for implementation (also documented in the mitigation action of greatest importance for implementation following funding allocation. Requirement \(\) \(44 CFR Requirement	2016 HMP	2021 Updated HMP
emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs. Beautiful and the proposed projects and their associated costs. Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the metitigation plan in to other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy or continuing public involvement. The 2016 plan details a strategy or continuing public involvement. The 2016 plan details a maintenance strategy as enhanced for the 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy or continuing public involvement. The 2016 plan details a maintenance strategy is maintenance matrix that provides an overview of the planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy or continuing public involvement. The 2016 plan details a maintenance strategy is plan details and cost review. The results of the evaluation were used to identify the actions to include a new plant and cost review. The results of the evaluation were used to identify the actions to include and the plan and assist with the prioritization. An emphasis was placed on benefits and cost review. The results of the evaluation were used to identify the actions to include a new plant and cost review. The results of the waluation were used to identify the actions to include a new plant and cost review. The results of the evaluation were used to identify the actions to include in the plan and action of the plan and cost review. The results of the mitigation action of practest importance for implementation following funding allocation. The 2016 plan details a maintenance strategy with plant plant plant that the plant and the proper plant plant is the plant		2010 11:41	
are maximized according to a cost benefit review of the proposed projects and their associated costs. Beautiful proposed projects and their associated costs. Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the method and supdating the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan shall include a] of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy of the plan details as tracent of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan maintenance process shall include a] of the mitigation plan into other planning mechanisms such as the following: The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2017 plan details recommendations for incorporating the plan into other planning mechanisms. The 2018 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning mechanisms. The 2019 plan details recommendations for incorporating the plan into other planning			
review of the proposed projects and their associated costs. benefits and cost review. The results of the evaluation were used to identify the actions to include in the plan and assist with the prioritization. An emphasis was placed on benefits and costs (quantified where possible and listed in the mitigation action worksheets, as well as timeline for implementation (also documented in the mitigation action of greatest importance for implementation of lollowing funding allocation. Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy.			
Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include a] propriate. Requirement \$201.6(c)(4)(iii): [The plan shall include a] propriate. The 2016 plan details recommendations for incorporating the plan and a program to assist of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy. The 2016 plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy. The 2016 plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2011 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan maintenance strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the planning tool the planning tool the planning mechanisms on the maintenance strategy.			
Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include al governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Identify the actions to include in the plan man assist with the prioritization. An emphasis was placed on benefits and costs (quantified where possible and listed where possible and listed in the mitigation action ownskheets) for FEMA-eligible projects). In addition, each jurisdiction identified the mitigation action of greatest importance for implementation following inding allocation. The 2016 plan outlined a detailed maintenance strategy; similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance marrix that provides an overview of the planning machanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan maintenance process shall include allowed and schedule of the plan into other planning mechanisms such as the following: Master Plan			
Requirement §201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the mitigation plan within a five-year cycle. Requirement §201.6(c)(4)(ii): [The plan maintenance process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] the mitigation of a summary plan maintenance matrix that provides an overview of the planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan in	associated costs.		
Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include al scentilingation plan within a fiveyear cycle. Requirement \$201.6(c)(4)(ii): [The plan maintenance process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement. An emphasis was placed on benefits and costs (quantified where possible and class due to the mitigation action of greatest importance for implementation following indung allocation. The 2016 plan outlined a detailed maintenance strategy with a detailed maintenance strategy in plan antenance strategy in the plan into other planning partner responsibilities for monitoring of the plan and a program to assist with provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details a strategy for continuing pub			
Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a maintenance strategy in the 2016 plan details are commendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan la addition, the Country will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include al governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. and listed in the mitigation action worksheets), as well as timeline for implementation (also documented in the mitigation action of worksheets for FEMA-eligible projects). In addition, each jurisdiction identified the mitigation action of greatest importance for implementation following funding allocation. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning mentanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details The 2016 plan details The 2016 plan details The 2011 plan details The 2016 plan maintenance strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, and plant on the county will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include al process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a maintenance strategy, saw last simcline for implementation (also documented in the mitigation action of greatest importance for implementation of greatest importance for implementation following flunding allocation. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
implementation (also documented in the mitigation action worksheets for FEMA-eligible projects). In addition, each jurisdiction identified the mitigation action of greatest importance for implementation following funding allocation. Requirement §201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan maintenance matrix that provides an overview of the planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan maintenance matrix that provides an overview of the planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a trategy similar to that of the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include al schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance process shall include al schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. The 2016 plan maintenance strategy for continuing public involvement.			
Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy. The 2021 plan details a maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement §201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2017 plan details a surategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement §201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] The 2016 plan details a strategy for continuing public involvement. The 2016 plan outlined a detailed maintenance strategy. The 2019 plan details a maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2021 plan details a maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance for implementation following funding allocation. The 2021 plan details a summary plan maintenance are reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(ii): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. Requirement \$201.6(c)(4)(iii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan shall include a] discussion on how the community will continue public participation in the plan The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement §201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy. The 2016 plan outlined a detailed maintenance strategy similar to that of the initial plan. It has been enhanced to provide a roadmap for the annual monitoring of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details a maintenance strategy with plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2021 plan details a maintenance strategy with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2021 plan details a maintenance strategy with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2021 plan details are commendations for incorporating the plan into other planning mechanisms. The 2021 plan details are commendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Emergency Response Plan Emergency Response Plan The 2016 plan details are commendations for incorporating the plan into other planning mechanisms. Disaster Debris Management Plan Municipal Code The 2016 plan maintenance stra			
maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan shall include a] the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan			
section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan shall include a] process shall include a] discussion on how the community will continue public participation in the plan into the plan into other plan into o			
schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle. Requirement \$201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan shall include a] Process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement \$201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan		maintenance strategy.	
updating the mitigation plan within a five- year cycle. of the plan and a program to assist with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
year cycle. with project progress reporting. This includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan appropriate.] The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
includes the inclusion of a summary plan maintenance matrix that provides an overview of the planning partner responsibilities for monitoring, evaluation, and update of the plan. Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the	year cycle.		
Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement.			includes the inclusion of a summary
Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement.			
Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			provides an overview of the planning
Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan the plan into other planning mechanisms. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. Plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: Master Plan Emergency Response Plan Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement \$201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms. The 2016 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2021 plan details recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Emergency Response Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			monitoring, evaluation, and update of
shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan recommendations for incorporating the plan into other planning mechanisms. recommendations for incorporating the plan into other planning mechanisms such as the following: • Master Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement.			
plan into other planning mechanisms. Master Plan Emergency Response Plan Capital Improvement Programs Disaster Debris Management Plan Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the		The 2016 plan details	The 2021 plan details
of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate. Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan mechanisms such as the following: • Master Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
mechanisms such as comprehensive or capital improvement plans, when appropriate. • Master Plan • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan • Master Plan • Emergency Response Plan • Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the		plan into other planning mechanisms.	
capital improvement plans, when appropriate. • Emergency Response Plan • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan • Emergency Response Plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			mechanisms such as the following:
appropriate. Capital Improvement Programs Disaster Debris Management Plan Municipal Code Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			Master Plan
Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan appropriate. • Capital Improvement Programs • Disaster Debris Management Plan • Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			Emergency Response Plan
Disaster Debris Management Plan Municipal Code Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan Disaster Debris Management Plan Municipal Code The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the	appropriate.		
Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan • Municipal Code The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			
Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan The 2016 plan details a strategy for continuing public involvement. The 2016 plan maintenance strategy was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the			_
maintenance process shall include a continuing public involvement. discussion on how the community will continue public participation in the plan continue public participation in the plan continue public involvement. was enhanced for the 2021 plan. In addition, the County will use a proprietary online tool to support the	2004 (() () () ()	mi 2016 1 1 1 1	
discussion on how the community will addition, the County will use a proprietary online tool to support the			
continue public participation in the plan proprietary online tool to support the		continuing public involvement.	
maintenance process. annual progress reporting of			
	maintenance process.		
mitigation actions. Section 7 (Plan			
Maintenance) also details the			
continued public participation in the			
plan maintenance process.			
Requirement §201.6(c)(5): [The local Mercer County and all jurisdictions The 2021 plan achieves DMA			
hazard mitigation plan shall include] participated in the 2016 HMP. compliance for Mercer County and		participated in the 2016 HMP.	
documentation that the plan has been all jurisdictions. Resolutions for each			
formally adopted by the governing body of partner adopting the plan can be			
the jurisdiction requesting approval of the found in Appendix A of this volume.			found in Appendix A of this volume.
plan (e.g., City Council, County			
	Commissioner, Tribal Council).		