



## Section 5 Planning Process

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### 5.1 Interim Final Rule Requirements for the Planning Process

*Requirement §201.6(c) (1): [The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

*Requirement §201.6(b): An open public involvement process is essential to the development of an effective plan. 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 non-profit interests to be involved in the planning process; and*
- (3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.*

### 5.2 Description of the Planning Process

#### 5.2.1 How the Plan was Prepared (Overview)

The Morris County Multi-Jurisdictional Hazard Mitigation Plan (the Plan) was prepared in accordance with the process established in the State and Local Mitigation Planning *How-to Guides* (FEMA Publication Series 386) produced by the Federal Emergency Management Agency (FEMA), and the requirements of the February 26, 2002 Interim Final Rule (IFR). The process established in the FEMA 386 guides includes four basic steps.

- Step 1: Organize resources
- Step 2: Assess risks
- Step 3: Develop a mitigation plan
- Step 4: Implement the plan and monitor progress



## 5.2.2 Step 1: Organize Resources

The Morris County Office of Emergency Management (MCOEM) was the lead agency for the development of the Plan. At the beginning of the process, a consultant firm, James Lee Witt Associates (JLWA), was hired to provide technical support to the county and its municipalities. In addition, several individuals and organizations worked together to develop the Plan. These participants were organized into two different committees including:

- Morris County Hazard Mitigation Steering Committee
- Morris County Hazard Mitigation Working Group

The Morris County Hazard Mitigation Steering Committee (MCHMSC) was comprised principally of the county Office of Emergency Management (OEM), selected county agency representatives, selected local OEM coordinators as well as private utilities industry representatives. This committee was formed to provide focus and leadership on behalf of all participating municipalities and other entities in the development of these Plans. MCHMSC meetings were regularly attended by other key county agency staff, including representatives from departments of planning, public works, and additional emergency management staff; in addition to New Jersey Office of Emergency Management (NJOEM) staff. The MCHMSC met monthly during the duration of the planning process to receive progress reports from the consultant, review and comment upon draft documents and procedures, and implement relevant tasking and coordinate efforts within their own communities or organizations.

The Morris County Hazard Mitigation Working Group (HMWG) is comprised of the county OEM coordinator and all municipal OEM coordinators in Morris County. The HMWG is a function of the local emergency management coordinators group, which has regular interaction with the MCOEM. The HMWG is comprised of representatives from each participating municipality's OEM, related agencies within the county, and public entities that wished to participate in the planning effort. The duties and responsibilities of the HMWG consisted of: representing their communities' interests, serving as the point of contact between their communities and the MCHMSC, and completing necessary planning tasks, including data collection, identification of local mitigation actions, and reviewing the plan products of the MCHMSC. With input and consensus from the HMWG, the MCHMSC identified the seven most significant countywide hazards for a risk assessment to be completed.

Table 5.2.2-1a shows the primary membership of the MCHMSC.

**Table 5.2.2-1  
Morris County Hazard Mitigation Steering Committee (MCHMSC) Members**

<b>Name</b>	<b>Organization</b>
Rick Loock	Morris County OEM
B. Caruso	Morris County-Principal Engineer
A. Dagostino	Morris County Department of Law and Public Safety-Liaison
John Bonanni	Morris County Administrator's Office-Liaison
Joe Garifo	Morris County Public Information Officer
Thomas Weber	Morris County Department of Public Works-Road and Bridges-Superintendent
S. Rice	Morris County Planning, Development, and Technology-Geographic Information Systems
Carol Spencer	Morris County Planning, Development and Technology-Webmaster



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Name	Organization
E. Vath	Morris County Park Commission
H. O'Keefe	Morris County Municipal Utilities Authority
W. Hutchinson	Southeast Morris Municipal Utilities Authority
A. Imperiale	Morris County Prosecutor's Office
K. McMorland	Morris County Mosquito Commission
Ellen Harrigan	Borough of Lincoln Park
John Tierney	Township of Pequannock
Kenneth Fullagar	Long Hill Township OEM-Region 1 Municipal Representative
Eric Hubner	Parsippany OEM-Region 2 Municipal Representative
Ed Mangold	Jefferson OEM-Region 3 Municipal Representative
Michael Kobylarz	Roxbury Township OEM-Region 4 Municipal Representative
Margaret Nordstrom	Board of Chosen Freeholders-Director
Steve Donnelly	MCOEM
Mario Sinatra	NJOEM

Table 5.2.2-2 lists the membership of the Morris County HMWG.

**Table 5.2.2-2  
Morris County Hazard Mitigation Working Group (HMWG) Members**

Name	Organization
Rick Look	Morris County OEM
Rich Osborne	Boonton Town
John Speirs	Boonton Township
Earl Dean	Butler Borough
Bill Nauta	Chatham Borough
George Petersen	Chatham Township
Robert L Davis	Chester Borough
Adam Schuler	Chester Township
George Petersen	Denville Township
Scott Warner	Dover Town
Marc Curcio	East Hanover Township
Robert Treiber	Florham Park Borough
Tom Quirk	Hanover Township
Kevin Gaffney	Harding Township
Ed Mangold	Jefferson Township
Harry Hicks	Kinnelon Borough
Tom Piorkowski	Lincoln Park Borough
Ken Fullagar	Long Hill Township
Darren Dachisen	Madison Borough
John Taylor	Mendham Borough
Evan Thomas	Mendham Township
Phil Wilk	Mine Hill Township
Rudy Appelman	Montville Township
Harvey Klein	Morris Township
Jim Abbondanzo	Morris Plains Borough
Frank Somma	Morristown Town
Bob Tovo	Mount Lakes Borough
Paul Nelson	Mount Arlington Borough
Fred Detoro	Mount Olive Township



Name	Organization
Wayne Anthony	Netcong Borough
Eric Hubner	Parsippany-Troy Hills Township
Bobby Jo Murphy	Pequannock Township
Ray Stromberg	Randolph Township
Bill Budesheim	Riverdale Borough
Doug Scheer	Rockaway Borough
Joe Fiorilla	Rockaway Township
Michael Kobylarz	Roxbury Township
Chris Barrella	Victory Garden Borough
Charles Davidson	Washington Township
Len Williams	Wharton Borough

### Meeting Schedule

There were several meetings conducted during the development of the Plan per Table 5.2.2-3. The meetings focused primarily on the review of work-in-progress for the development of the Plan. However, in some cases, the meetings were essentially working sessions for identification of potential mitigation projects.

**Table 5.2.2-3  
Committee Meeting Schedule**

Date	Meeting	Attendees
September 8, 2008	HM Steering Committee Kick-off	MCHMSC, JLWA
September 30, 2008	HM Working Group Kick-off Meeting	MCHMSC, HMWG, JLWA
October 22, 2008	HM Steering Committee Meeting	MCHMSC, JLWA
November 5, 2008	HM <b>Steering Committee</b> Meeting	<b>MCHMSC</b> , JLWA
Nov 12-13, 2008	2 day workshop with working group members	HMWG, JLWA
December 10, 2008	HM Steering Committee Meeting	MCHMSC, JLWA
January 14, 2008	HM Steering Committee Meeting	MCHMSC, JLWA
February 11, 2009	HM Steering Committee Meeting	MCHMSC, JLWA
March 11, 2009	HM Steering Committee Meeting	MCHMSC, JLWA
April 9, 2009	HM Steering Committee Meeting & Public Meeting	MCHMSC, JLWA
May 14, 2009	HM Steering Committee Meeting & Public Meeting	MCHMSC, JLWA

Appendix C.1 contains documentation for these meetings including agendas, sign-up sheets, presentation materials, and meeting notes where appropriate.

### 5.2.3 Step 2: Assess Risks

In accordance with general mitigation planning practice, as well as the process FEMA established in its *How-to Guides*, the risk assessment forms the basis for this Plan by quantifying and rationalizing information about how natural and manmade hazards affect Morris County and the participating municipalities.

The processes used to complete the hazard identification and risk assessments, and the results of these activities, are described in Sections 6 and 7 as well as Appendices D and E of this Plan. The assessment determined several aspects of the risks of hazards faced by the county and the participating municipalities:



- The natural hazards that are most likely to affect Morris County
- How often hazards are expected to impact Morris County
- The expected severity of the hazards
- Which areas of Morris County are likely to be affected by hazards
- How Morris County's assets, operations, people, and infrastructure may be impacted by hazards
- How private and commercial assets, operations, infrastructure may be impacted by hazards
- The expected future losses if the risk is not mitigated

The MCHMSC first identified all hazards with the potential to impact the county. Next, using a rating system (explained in detail in Section 6), the MCHMSC reduced the initial list of hazards down to 18 countywide hazards that were considered the most relevant for this type of planning process, as well as one hazard that was relevant to selected municipalities. The results of this selection process were discussed and validated by the MCHMSC. These hazards are described in the Hazard Identification, Profiling, and Ranking portion of the Plan (Section 6).

As a result of in-depth examination of the characteristics of the reduced list of hazards, the MCHMSC was able to make qualitative determinations that allowed further refinement of the focus of this plan to seven hazards: flood, high wind–straight-line wind, earthquake/geological, dam failure, hazardous materials release–fixed sites, severe storms–winter storms, and ice storms. These are considered by the MCHMSC to represent the most predominant risks to the area. The results of this secondary selection process were also discussed and validated by the MCHMSC and HMWG.

For each of these hazards the consultants performed detailed risk assessments, i.e. calculations of future expected damages, expressed in dollars where appropriate. The results of the risk assessment were also made available to the public during the public presentations (see Section 5.3). The full process and results of this work is presented in the Risk Assessment portion of this Plan (Section 7).

### 5.2.4 Step 3: Develop the Mitigation Plan

The MCHMSC developed a series of goals and objectives in response to the results of the risk assessment. A capability assessment was also conducted to help determine the capacity of the county and the participating municipalities to implement hazard mitigation projects. In addition, the MCHMSC and the consultant worked with the participating municipalities, on an individual basis, to identify potential problems and hazard mitigation project solutions to include in the Mitigation Action Plan. The Mitigation Action Plan was discussed and validated by the MCHMSC. The results of these efforts are detailed in Sections 8 and 9.

### 5.2.5 Step 4: Implement the Plan and Monitor Progress

Finally, the MCHMSC identified a process for on-going monitoring and revisions to the Plan over the next five years. Section 10 details the resulting monitoring, evaluation and plan update procedures. This step was also reviewed and validated by the MCHMSC.



## 5.3 Involvement by the Public and Other Interested Parties

During the development of this Plan, the public was involved by requesting their participation in public presentations/meetings, providing drafts of the Plan for review, and inviting comments on the contents of the Plan. For each meeting, the public and interested parties were notified of the meetings via public notice in area newspapers, notice on the Morris County website, and emails to interested groups. The public outreach, meeting attendance lists, public presentations and meetings are detailed in Table 5.3-1. In addition, continued outreach by Morris County and municipal coordinators, including public education and work with stakeholders and other interested parties between now and the five-year Plan update, will be included as part of the Mitigation Action Plan in Section 9.

**Table 5.3-1  
Public Involvement**

<b>Date</b>	<b>Type of Involvement</b>	<b>Meeting Location</b>
October 6, 2008	Website with hazard mitigation and Plan development information posted	NA
October 6, 2008	Press release regarding hazard mitigation and Plan development issued	NA
September 30, 2008	Citizen Survey posted on website <sup>1</sup>	NA
March 10, 2009	Plan posted to website for public comment	NA
April 9, 2009	Public meeting with presentation and open discussion	Morris County Fire Academy
May 14, 2009	Public meeting with presentation and open discussion	Morris County Fire Academy
June 10, 2009	Surrounding communities notified of plan availability for review and comment	NA

As part of the development of the Plan, Floodplain Administrators were engaged in Plan development and review in many municipalities. In some cases, the Municipal Coordinator who led work on this Plan was the Floodplain Administrator. Involvement of Floodplain Administrators in Morris County is shown in Table 5.3-2. Additional outreach to Floodplain Administrators should result in enhanced participation in the next Plan update.

<sup>1</sup> The Citizen Survey and a summary of responses are included in Appendix F.



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**Table 5.3-2  
Morris County Floodplain Administrator Involvement**

<b>Municipality</b>	<b>Floodplain Administrator Name</b>	<b>Method of Involvement in Plan</b>
Boonton Town	Richard A. Osborne	Primary municipal point of contact
Boonton Township	Barbara Shepard	Primary municipal point of contact
Butler Borough	Paul Darmofolski	Primary municipal point of contact
Chatham Borough	Vincent J Denave	Primary municipal point of contact
Chatham Township	George Petersen	Primary municipal point of contact
Chester Borough	Paul Ferraro	Received working update from municipal point of contact and reviewed all drafts of plan documents
Chester Township	Sarah Jane Noll	Received working update from municipal point of contact and reviewed all drafts of plan documents
Denville Township	Ted Hussa	Primary municipal point of contact
Dover Town	Mike Hantson	Received working update from municipal Point of contact and reviewed all drafts of plan documents
East Hanover Township	John Orlich	Received working update from municipal Point of contact and reviewed all drafts of plan documents
Florham Park Borough	Mike Scaramella	Received working update from municipal point of contact and reviewed all drafts of plan documents
Hanover Township	Gerardo Maceira	Received working update from municipal point of contact and reviewed all drafts of plan documents
Harding Township	Paul Fox	Received working update from municipal point of contact and reviewed all drafts of plan documents
Jefferson Township	Jeff Elam	Received working update from municipal point of contact and reviewed all drafts of plan documents
Kinnelon Borough	Paul P. Barmosalski	Not involved
Lincoln Park Borough	Joseph Maiella	Received working update from municipal point of contact and reviewed all drafts of plan documents
Long Hill Township	Justin Lizza	Received working update from municipal point of contact and reviewed all drafts of plan documents
Madison Borough	Robert Vogel	Received working update from municipal point of contact and reviewed all drafts of plan documents
Mendham Borough	Paul Ferriero	Received working update from municipal point of contact and reviewed all drafts of plan documents
Mendham Township	Thomas R. Lemanowicz	Received working update from municipal point of contact and reviewed all drafts of



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Municipality	Floodplain Administrator Name	Method of Involvement in Plan
		plan documents
Mine Hill Township	Phil Wilk	Primary municipal point of contact
Montville Township	Tony Barile	Not involved
Morris Township	James R. Slate	Received working update from municipal point of contact and reviewed all drafts of plan documents
Morris Plains Borough	Leon Hall	Received working update from municipal point of contact and reviewed all drafts of plan documents
Morristown Town	Jeff Hartke	Received working update from municipal point of contact and reviewed all drafts of plan documents
Mount Lakes Borough	Robert Tovo	Primary municipal point of contact
Mount Arlington Borough	Daren Phil	Received working update from municipal point of contact and reviewed all drafts of plan documents
Mount Olive Township	Fred Detoro	Primary municipal point of contact
Netcong Borough	Joe Nametko	Not involved
Parsippany-Troy Hills Township	Michael Pucilowski	Primary municipal point of contact
Pequannock Township	Bobbi Jo Murphy	Not involved
Randolph Township	Paul Ferrierio	Received working update from municipal point of contact and reviewed all drafts of plan documents
Riverdale Borough	Paul Darmofalski	Primary municipal point of contact
Rockaway Borough	Michael Spillane	Received working update from municipal point of contact and reviewed all drafts of plan documents
Rockaway Township	James Lutz	Received working update from municipal point of contact and reviewed all drafts of plan documents
Roxbury Township	Michael A Kobylarz	Primary municipal point of contact
Victory Garden Borough	Leon Hall	Not involved
Washington Township	S. Frech	Received working update from municipal point of contact and reviewed all drafts of plan documents
Wharton Borough	Leonard A Williams	Primary municipal point of contact



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Beyond this, email and phone solicitations for involvement by potential stakeholders and interested parties including non-profits, area utilities, school boards, major employers, and others were conducted during Plan development and reviews. Relevant correspondence is contained in Appendix C.3. Response to this outreach was sparse, but outreach by Morris County and municipal coordinators, including public education and work with stakeholders and other interested parties between now and the five-year Plan update, should improve such involvement during the Plan update.

In addition, notice was sent to adjacent jurisdictions and other interested parties that the Draft and Final Plans were available for review prior to adoption by the county and the participating municipalities. Minutes of meetings (and attendee lists) and copies of relevant correspondence are included in Appendix C.2 and C3.



## 5.4 Review and Incorporation of Plans, Studies, Reports, and Other Information

### 5.4.1 Federal Government

Selected key federal sources of information and pre-existing planning work are presented in Table 5.4.1-1. Additional sources and detail can be found in Appendix B.

**Table 5.4.1-1  
Federal Documents and Data Utilized**

<b>Existing Program/Policy/Technical Documents</b>	<b>Method of Incorporation into the Plan</b>
FEMA Disaster Declarations database and other general hazard data	Used in hazard identification and risk assessment (HIRA) development and history of loss data for multiple hazards
FEMA/National Flood Insurance Program Flood Maps (Flood Insurance Rate Maps, Digital Flood Insurance Rate Maps, "Q3" data)	Used in developing HIRA, strategies, and mitigation actions
FEMA Hazards US (HAZUS) v.1.1	Used in developing various risk assessments and critical facilities inventories
FEMA Benefit Cost Analysis modules	Used in developing various risk assessments
FEMA Community Status Book, Community Rating System Eligible Communities	Used in developing capability assessments and mitigation actions
FEMA Tornado Activity in the United States	Used in developing HIRA and history of loss data
National Oceanic and Atmospheric Administration (NOAA)/National Climatic Data Center database	Used in developing history and description of major hazard events for multiple hazards
NOAA Coastal Service Center–Historic Hurricane Tracks Database	Used in developing HIRA, strategies, and mitigation actions
NOAA National Hurricane Center–Hurricane Preparedness, Storm Surge	Used in developing HIRA, strategies, and mitigation actions
US Army Corps of Engineers (USACE) (Philadelphia Office)–New Jersey Hurricane Evacuation Study Transportation Analysis, including storm surge mapping	Used in developing HIRA, strategies, and mitigation actions
US Census Bureau data	Used in developing various risk assessments, establishing planning context
United States Department of Agriculture–New Jersey Eligible Communities	Used in identifying Special Circumstance Communities
U.S. Geological Survey (USGS) National Hazard Seismic Mapping Project	Used in developing HIRA and history of loss data
USGS Summary of July 12, 2004 Flooding in Southern New Jersey	Used in developing HIRA and history of loss data
U.S. Environmental Protection Agency Toxic Release Inventory	Used in developing hazard identification, strategies, and mitigation actions
U.S. Department of Transportation Hazardous Materials Incident Data	Used in developing hazard identification, strategies, and mitigation actions



## 5.4.2 State of New Jersey

Selected state sources of information and pre-existing planning work are presented in this section.

### **New Jersey State Hazard Mitigation Plan**

New Jersey completed the current 2008 State Plan update to meet the requirements of IFR Section 201.4(d), which mandates that states update their mitigation plans every three years, *to reflect changes in development, progress in statewide mitigation efforts, and changes in priorities.*

The State Hazard Mitigation Plan Update (SHMPU) is the demonstration of New Jersey's commitment to reduce risks from natural hazards and serves as a guide for both state and local decision makers as they commit resources to reducing the effects of natural hazards on lives and property. It is designed to outline a strategy to reduce risks from natural hazards in New Jersey, and to aid state and local emergency management officials in developing hazard reduction programs.

It is NJOEM's intent to use the SHMPU as a way to provide data to local and regional governments to support their mitigation planning processes, and to provide guidance on best practices. For each on-going plan development effort, NJOEM attends at least one mitigation core team meeting, one stakeholder meeting, and one public meeting to serve as resource to the municipality or county, to answer any questions and to direct planners to state resources or tools. NJOEM staff also is available during the draft plan development to answer any questions or provide guidance and assistance.

The statewide mitigation strategies, goals and objectives, methods of incorporating a varied cross section of relevant disciplines, hazard specific information, and specific data sources are present within the SHMPU and were utilized in the development of the Plan.



### Other State of New Jersey Information

In addition to the SHMPU, selected state sources of information and pre-existing planning work are presented in Table 5.4.2-1. Additional sources and detail can be found in Appendix B.

**Table 5.4.2-1  
Other State Documents and Data Utilized**

Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
New Jersey Administrative Code–Dam Safety Standards (NJAC: 7-20), Dam Classifications	Used in developing HIRA
New Jersey Geologic Survey (NJGS) Map of Landslides in New Jersey	Used in hazard profiling and loss estimation
New Jersey Division of Community Affairs (NJDCA), Division of Codes and Standards–Bulletin No. 3-4 Wind Speed Map	Used in developing HIRA, strategies, and mitigation actions
NJDCA–State Development and Redevelopment Plan	Used in future development analysis
NJDCA, Office of Smart Growth–GIS) data	Used in future development analysis, development of HIRA, and strategies
NJDEP, Department of Dam Safety and Flood Control data	Used in developing loss history and HIRA
NJDEP–Landslides in New Jersey report, Landslide Susceptibility/Incidence maps and geodata	Used in developing loss history and HIRA
NJDEP–County Land Use Land Cover data	Used in developing hazard profiling and loss estimation
New Jersey Forest Fire Service–wildfire mapping and data	Used in developing hazard profiling and loss estimation
NJOEM Summary of Presidentially Declared Disasters 1992-2000	Used in developing hazard profiling and loss estimation
NJOEM–Hazard Analysis New Jersey	Used in developing hazard profiling
New Jersey Office of the State Climatologist (at Rutgers University)	Used in developing hazard profiling
NJGS–Earthquake Loss Estimation Study for Morris County	Used in developing hazard profiling and loss estimation
Workforce New Jersey Public information Network – Residential Building Permits Authorized 2000-2006	Used in establishing planning context and to validate future development analysis

### 5.4.3 Morris County

New Jersey is a *home rule* state, which means that the authority to create laws and control land use resides within the municipal governments, and not with the county governmental entities. Counties throughout New Jersey are expected to act in the best interest of, and for the protection of, the citizens residing within the confines of the county. State statutes do give limited authorities to the counties, but the more significant authorities rest with the individual municipalities.

Selected key county sources of information and pre-existing planning work are presented in Table 5.4.3-1. Additional sources and detail can be found in Appendix B.



**Table 5.4.3-1  
County Documents and Data Utilized**

Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
Construction Permits Data	Used in establishing planning context and development of mitigation actions
Critical Facilities Inventory and Data	Used in development of HIRA and mitigation actions
Comprehensive Economic Development Strategy Report (2008)	Used to validate data used in future development analysis
County GIS data, including: parcels, soils, base mapping, developments, land use 2000, census tract, 2' contours, septic and sewer, etc.	Used to validate data used in risk assessment and future development analysis
Cross-Acceptance Report (2004)	Used to validate data used in future development analysis
Dams inventory and data	Used in development of HIRA and mitigation actions
Emergency Management Windstorm/Wind Peril surveys (1996)	Used to validate data used in HIRA
Emergency Operations Plan	Used in hazard identification
NJDEP-Comprehensive Environmental, Response, Compensation, and Liability Act: Priority List of Hazardous Substances Report for Morris County (2007)	Used to validate data used in hazard identification
Northeast Region Strategic Plan (2005)	Used to validate data used in future development analysis
Photographs of critical facilities	Used in development of risk assessments and mitigation actions
Repetitive Loss /Severe Repetitive Loss (RL/SRL) inventory and data	Used in development of risk assessments and mitigation actions
Stormwater Management Plan	Used to develop mitigation actions, also to validate data used in HIRA development
Various county website materials	Used to establish planning context

## 5.4.4 Municipalities

Upon initiating the plan development process, the county OEM point of contact made initial contacts to form the MCHMSC. Concurrent with that effort, all of the local OEM coordinators were made aware of the significance of this planning effort. A comprehensive *wish list* of documents, data sources, maps, studies, emergency operations plans, land use data, laws, and ordinances was provided with the task of collecting as much of the items as possible. The MCHMSC and MCOEM regularly provided guidance and support in this gathering effort through the use of e-mail inquiries, phone contact and agenda items at the Local Coordinator meetings.

Selected key municipal sources of information and pre-existing planning work that were used in the development of the Plan are presented in Tables 5.4.4-1 and 5.4.4-2. Additional sources and detail can be found in Appendix B.

In some cases, as noted in Table 5.4.4.2, information that may exist at the municipal level was not uniformly provided or available for this initial Plan. During the next 5 years, MCOEM and the municipal coordinators will be taking steps to locate, review and incorporate all the indicated documents in the next Plan update.



**Table 5.4.4-1  
Municipal Documents and Data Utilized**

Existing Program/Policy/Technical Documents	Method of Incorporation into the Plan
Critical Facilities Inventory and Data	Used in development of HIRA and mitigation actions
Dams inventory and data	Used in development of HIRA and mitigation actions
FEMA Flood Insurance Studies (FIS), County Wide	Used in development of HIRA and mitigation actions
Mitigation 20/20 reports	Used in development of planning context, hazard identification, risk assessment, and critical facilities identification/mitigation actions
Building Code	Used in development of HIRA and mitigation actions
HAZUS Study	Used in development of HIRA, risk assessment, and critical facilities identification
PA records	To compile loss histories
Response Plans	Coordinate mitigation actions and develop strategies
Municipal Tax records	To assess potential loss utilized in the HIRA
RL/SRL inventory and data	Used in development of risk assessments and mitigation actions

**Table 5.4.4-2  
Complete Inventory (per FEMA Region II “Tool Kit”) of Potential Municipal Documents and Data, and Status of Inclusion in Plan**

Document or Data (for all Municipalities in Morris Co.)	Available for Plan	Status of Incorporation in Plan
Comprehensive plan	N	To be reviewed (if available) and included in plan update
Growth Management plan	N	To be reviewed (if available) and included in plan update)
Capital Improvement plan	N	To be reviewed (if available) and included in plan update
Flood Damage Prevention Ordinance	N	To be reviewed (if available) and included in plan update
Floodplain Management plan	N	To be reviewed (if available) and included in plan update
Open Space program plan	N	To be reviewed (if available) and included in plan update
Flood Insurance Studies, DFIRMs or engineering studies for streams	N	To be reviewed (if available) and included in plan update
Hazard Vulnerability Analysis (by the local Emergency Management Agency)	Y	Reviewed. See Table 5.4.4-1
Emergency Management Plan/ Emergency Operations Plan	Y	Reviewed. See Table 5.4.3-1
Zoning Ordinance	N	To be reviewed (if available) and included in plan update
Building Code	Y	Reviewed. Standard UCC for all of NJ
Drainage Ordinance	N	To be reviewed (if available) and included in plan update
Critical Facilities maps	Y	Reviewed. See Table 5.4.4-1
Existing Land Use maps	N	Reviewed. See Table 5.4.3-1 (reviewed in summary from FIS Study and NJDEP database)
Elevation Certificates	N	To be reviewed (if available) and included in plan update
State plan	Y	Reviewed. See Table 5.4.2.1
HAZUS study	Y	Reviewed. See Table 5.4.1-1
SLOSH Studies	Y	Reviewed. See Table 5.4.1-1 (USACE Evacuation Study)
Hurricane Evacuation Plan	N	To be reviewed (if available) and included in plan update)



### 5.4.5 Other Resources

Selected other key sources of information and pre-existing planning work, including regional and academic resources, are presented in Table 5.4.5-1. Additional sources and detail can be found in Appendix B.

**Table 5.4.5-1  
Other Documents and Data Utilized**

<b>Existing Program/Policy/Technical Documents</b>	<b>Method of Incorporation into the Plan</b>
New Jersey Association of County Tax Boards–parcel data	Used to validate data used in risk assessment
Public Entity Risk Institute–Presidential Disaster Declarations	Used in developing hazard profiling and loss estimation
Right-to-Know (RTK) Network–biennial reporting, emergency response notification database	Used in developing hazard profiling



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