

## 3.0 Planning Process

This planning process section of the plan describes who was involved in the development of this document, what steps were taken to complete all phases of the process, and how public involvement was considered throughout plan development. Throughout the plan development process, information was gathered from participating jurisdictions, as well as state, federal and local agencies and groups, citizens and business owners in the community, and other stakeholders. Project Team representatives were also tasked with collecting data and information from their respective jurisdictions or areas of expertise. The information included in this plan represents the results of an extensive planning process that involved the input of many jurisdictions and community members.

### 3.1 Resources and Information Collection

The planning process followed for the development of the Orange County Multi-Jurisdiction Multi-Hazard Mitigation Plan Update is consistent with the guidelines provided in the State and Local Mitigation Planning, how-to guides (FEMA Report 386-2) and the Local Multi-Hazard Mitigation Planning Guidance (FEMA, 2008) and Planning Standards (NYS DHSES, 2014).

In addition to these references and Orange County's existing Hazard Mitigation Plan (2011), the following County and Regional documents were reviewed and considered during the development of the HMP Update:

- Orange County Comprehensive Plan (2010);
- Wallkill River Watershed Conservation and Management Plan (2006);
- Moodna Creek Watershed Conservation and Management Plan (2010);
- Quassaick Creek Watershed Plan Report (2014);
- Agricultural and Farmland Protection Plan (2015);
- Orange County Transportation Council Long Range Transportation Plan (2015);
- Orange County Open Space Plan (2004); and
- Multiple existing single jurisdiction plans for municipalities within the County (listed in Section 1.3).

Much of the event-specific information and details came from the members of the Planning Team. The public and other interested parties were provided numerous opportunities throughout the planning process to provide input and comments.

#### 3.1.1 Planning Mechanisms and Capabilities

Another important objective of updating the HMP is to incorporate the document into existing and future planning efforts and initiatives throughout the County. Elements of the plan will be considered during municipal and County development and comprehensive planning efforts. The approved HMP will also serve as an important resource for developing and updating emergency

operations plans and procedures throughout Orange County. This updated HMP will be incorporated into, considered during, and referenced by future updates and efforts at the County and municipal levels concerning the plans, policies, ordinances, programs, studies, reports, and staff included in Table 3.3b.

### **3.2 Planning Team and Key Stakeholders**

Two groups were created to assist in various facets of information collection and document preparation and review: Project Team and Key Stakeholders. The Project Team is represented by at least one municipal representative from each participating jurisdiction, and is responsible for assisting in data collection, document review, and coordination efforts. The Key Stakeholders group includes various members of the community and adjacent governments, such as local elected officials, municipal employees, school officials, fire and emergency response personnel, adjacent County representatives, utility contacts, neighboring counties, and other interested community members.

Meetings with these two groups of selected and interested individuals were held at strategic points throughout the HMP development process. Meeting agendas, materials, PowerPoint presentations, and meeting notes are provided in Appendix A. Participants and representatives that attended every meeting are also listed in Appendix A, along with their affiliation, as it relates to the project. Orange County reached out to everyone on this list via mail in advance of the Stakeholders Workshop.

### **3.3 Jurisdiction Participation**

To be included in the 2018 Orange County Multi-Jurisdictional Multi-Hazard Mitigation Plan, all interested jurisdictions needed to express their willingness to be a part of the process and needed to remain an active participant throughout all stages of plan development. Active participation for each jurisdiction was gauged based on the following factors: meeting attendance, information collection and research, plan review and comment, mitigation action submission, public review assistance, and final resolution to adopt the HMP. A jurisdiction did not have to meet all criteria listed to be considered a participating member (for example, meeting attendance), but each jurisdiction did have to show an effort to participate and provide relevant information (for example, email follow-up after a missed meeting to discuss what was missed). The Orange County Division of Emergency Management and its consultant made a concerted effort to follow-up with jurisdictions that were underrepresented at project meetings.

Overall, it was determined that all but 2 of the 43 jurisdictions within Orange County (including the Orange County Government, itself) met the participation requirements and are, therefore, included and considered in this document. The Town of New Windsor and the Village of Kiryas Joel decided not to participate. Participating jurisdictions and their representatives are listed in Table 3.3a. All participating jurisdictions have agreed to pass a resolution to adopt the HMP after NYSDHSES and FEMA review and approval. These resolutions will be added to Appendix B, as they are adopted. For now, a sample resolution is provided.

| Table 3.3a: Participating Jurisdictions in Orange County |                        |                                    |
|--|------------------------|------------------------------------|
| Jurisdiction   | Representative         | Position                           |
| City of Middletown                                       | Joseph Stefano         | City Mayor                         |
| City of Newburgh   | Terry Ahlers           | Acting Fire Chief                  |
| City of Port Jervis                                      | Thomas Vicchiariello   | Local Emergency Manager            |
| Town of Blooming Grove                                   | Robert A. Fromaget     | Town Supervisor                    |
| Town of Chester  | Alexander Jamieson     | Town Supervisor                    |
| Town of Cornwall   | Todd Hazard            | Police Chief                       |
| Town of Crawford   | Daniel McCann          | Coordinator of Safety and Security |
| Town of Deerpark   | Gary Spears            | Town Supervisor                    |
| Town of Goshen   | Broderick Knoell       | Highway Superintendent             |
| Town of Greenville                                       | George J. Hossann, Jr. | Town Supervisor                    |
| Town of Hamptonburgh                                     | Donald Mekulik, Jr.    | Building Inspector                 |
| Town of Highlands  | Mervin "Bob" R. Livsey | Town Supervisor                    |
| Town of Minisink   | Randal Filipowski      | Highway Superintendent             |
| Town of Monroe   | Harley E. Doles III    | Town Supervisor                    |
| Town of Montgomery                                       | Michael Hayes          | Town Supervisor                    |
| Town of Mount Hope                                       | Dean Hassenmayer       | Highway Superintendent             |
| Town of Newburgh   | Gilbert J. Piaquadio   | Town Supervisor                    |
| Town of Tuxedo   | Michael Rost           | Town Supervisor                    |
| Town of Walkkill   | Daniel Depew           | Town Supervisor                    |
| Town of Warwick  | Michael Sweeton        | Town Supervisor                    |
| Town of Woodbury   | David Sutz             | Town Supervisor                    |
| Village of Chester                                       | John Orr               | Building Inspector                 |
| Village of Cornwall-on-Hudson                            | Brendan Coyne          | Village Mayor                      |
| Village of Florida                                       | Jim Pawliczek, Sr.     | Village Mayor                      |
| Village of Goshen  | Kyle Roddey            | Village Mayor                      |
| Village of Greenwood Lake                                | Jesse Dwyer            | Village Mayor                      |
| Village of Harriman                                      | Stephen H. Welle       | Village Mayor                      |
| Village of Highland Falls                                | Patrick Flynn          | Village Mayor                      |
| Village of Maybrook                                      | Matthew Thorp          | Public Works Superintendent        |
| Village of Monroe  | Brian T. Smith         | Public Works Superintendent        |
| Village of Montgomery                                    | Ralph "Buddy" Nelson   | Public Works Superintendent        |
| Village of Otisville                                     | Robert Clouse          | Councilperson                      |
| Village of South Blooming Grove                          | Robert Jeroloman       | Village Mayor                      |
| Village of Tuxedo Park                                   | Mary Jo Guinchard      | Village Mayor                      |
| Village of Unionville                                    | Martin T. Howard       | Village Mayor                      |
| Village of Walden  | John Revella           | Village Mayor                      |
| Village of Warwick                                       | Michael Newhard        | Village Mayor                      |
| Village of Washingtonville                               | James M. Farr, P.E.    | Consulting Engineer                |
| Village of Woodbury                                      | Rob Weyant             | Public Works Supervisor            |

| Table 3.3b: Jurisdictional Capability Assessment and Resource Availability   |                        |                 |                    |                  |                               |   |                  |                        |                |                        |                    |                           |                         |                     |                           |                       |  |                    |                  |                              |                   |
|--|------------------------|-----------------|--------------------|------------------|-------------------------------|---|------------------|------------------------|----------------|------------------------|--------------------|---------------------------|-------------------------|---------------------|---------------------------|-----------------------|--|--------------------|------------------|------------------------------|-------------------|
| Plans  | Town of Blooming Grove | Town of Chester | Village of Chester | Town of Cornwall | Village of Cornwall-on-Hudson | Town of Crawford                                | Town of Deerpark | Village of Florida     | Town of Goshen | Village of Goshen      | Town of Greenville | Village of Greenwood Lake | Town of Hamptonburgh    | Village of Harriman | Village of Highland Falls | Town of Highlands     | Village of Maybrook                          | City of Middletown | Town of Minisink | Town of Monroe               | Village of Monroe |
| Comprehensive/Land Use Plan  | Yes                    | '15             | No                 | Yes              | Yes                           | '01   | '03              | '02                    | '09            | Yes                    | '04                | '75                       | Yes                     | No                  | '06                       | '09                   | '07  | Yes                | '05              | '08                          | '14               |
| Capital Improvement Plan   | No                     | No              | No                 | No               | No                            | No  | No               | '87                    | Yearly         | No                     | Yes                | No                        | Yes                     | Yes                 | No                        | Yes                   | '13  | Yes                | No               | No                           | No                |
| Economic Development Plan  | No                     | No              | No                 | No               | Yes                           | No  | No               | Yes                    | Yes            | No                     | Yes                | No                        | Yes                     | No                  | No                        | Yes                   | Yes  | Yes                | No               | No                           | Yes               |
| Local Emergency Operations Plan  | Yes                    | '12             | No                 | Yes              | Yes                           | '09   | Yes 911          | Yes                    | Yes            | Yes                    | No                 | Yes 911                   | Yes                     | Yes                 | '06                       | Yes                   | '95  | Yes                | '00              | '93                          | Yes               |
| Continuity of Operations Plan  | No                     | Yes             | No                 | No               | No                            | No  | Yes              |                        | No             | No                     | Yes                | Yes                       | Yes                     |                     | Yes                       | No                    |  |                    | No               |                              | No                |
| Transportation Plan  | Yes                    | No              | No                 | No               | No                            | '15   | No               | No                     | No             | No                     | No                 | No                        | No                      | No                  | No                        | No                    | Yes  | Yes                | No               | Yes                          | Yes               |
| Storm water Management Plan  | Yes                    | Yes             | No                 | Yes              | Yes                           | No  | Yes              | Yes                    | Yes            | Yes                    |                    | Yes                       | Yes                     | Yes                 | Yes                       |                       | Yes  | Yes                | No               | Yes                          | Yes               |
| Community Wildfire Protection Plan   | No                     | No              | No                 | Yes              | No                            |   | Yes              | Yes                    | No             | No                     | No                 | No                        | No                      | No                  | No                        | No                    | No   |                    | No               | No                           | No                |
| Other special plans (e.g., Brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation) | Yes                    | No              | No                 | No               |                               | Yes, Emergency Plan (disaster recover protocol) |                  | No                     | No             | No                     |                    |                           | State Code Dec. EPA GCT |                     |                           | No                    | Yes  |                    | No               | Yes, Aquifer Protection Plan | Yes               |
| Building Code  | Yes                    | Yes             | NYS '10            | Int'l Code '10   | Yes                           | '10   | NYSBC '10        | NYS Uniform Code '10   | NYSBC '10      | '10 Updated as per NYS | '07                | NYSBC '10                 | 10                      | NYSBC '10           | NYSBC '10                 | NYS Uniform Codes '10 | '13 NYS                                      | Yes                | Yes              | '10 NYS                      | Yes               |
| Building Code Effectiveness Grading Schedule (BCEGS) Score   | Yes                    | N/A             | No                 | Class 9          | Yes                           | Yes   | N/A              | No                     | Yes            | No                     |                    | N/A                       |                         |                     | N/A                       |                       | Yes  |                    | N/A              | No                           | No                |
| Fire Department ISO Rating   |                        | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    |                | Yes                    |                    | Yes                       |                         |                     | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Site Plan review requirements  | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    |                    | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Zoning Ordinance   | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Subdivision Ordinance  | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Floodplain Ordinance   | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Natural Hazard specific ordinance (storm water, steep slope, wildfire)   | Yes                    | Yes             | No                 | Yes              | Yes                           | Yes   | Yes              | Yes                    | No             | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | No               | No                           | Yes               |
| Flood Insurance rate maps  | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | No               | Yes                          | Yes               |
| Acquisition of land for open space and public recreation uses  | Yes                    | Yes             | No                 | No               | No                            | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | No                  | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Other  |                        |                 |                    |                  |                               |   |                  | Yes, NYS Building Code |                |                        |                    |                           | Yes 2015                |                     |                           |                       | Erosion control codes, Stormwater MGMT codes |                    |                  |                              |                   |
| Planning Commission  | Yes                    | Yes             |                    | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     |                     | Yes                       | No                    | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Mitigation Planning Committee  | Yes                    | Yes             |                    | Yes              | Yes                           | Yes   | Yes              | Yes                    | No             | No                     | Yes                | Yes                       | Yes                     |                     | Yes                       | No                    | Yes  | Yes                | Yes              | Yes                          | No                |
| Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)   | Yes                    | Yes             |                    | Yes              | Yes                           | Yes   | Yes              | Yes                    | Yes            | Yes                    |                    | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  | Yes                | Yes              | Yes                          | Yes               |
| Mutual aid agreements  | Yes                    | Yes             |                    | Yes              |                               | Yes   | Yes              | Yes                    | Yes            | Yes                    | Yes                | Yes                       | Yes                     | Yes                 | Yes                       | Yes                   | Yes  |                    | Yes              |                              | Yes               |
| Chief Building Official  | FT                     | FT              | FT                 | Yes              | Yes                           | FT  | FT               | FT                     | FT             | FT                     | PT                 | FT                        | FT                      | FT                  | FT                        | FT                    | PT   |                    | Yes              | Yes                          | FT                |
| Floodplain Administrator   | FT                     | FT              | FT                 | Yes              | FT                            | FT  | FT               | FT                     | FT             | FT                     | Yes                | FT                        | FT                      | FT                  | FT                        | Yes                   | N/A  |                    | Yes              | Yes                          | FT                |
| Emergency Manager  | Yes                    | FT              | FT                 | Yes              | PT                            | PT  | PT               | PT                     | No             | No                     | Yes                | FT                        | Yes                     | FT                  | FT                        | PT                    | Yes  |                    | Yes              | Yes                          | No                |

| Table 3.3b: Jurisdictional Capability Assessment and Resource Availability  |                        |                 |                    |                  |                               |                    |                 |                        |                |                   |                    |                           |                      |                     |                           |                   |  |                    |                  |                |                   |
|---|------------------------|-----------------|--------------------|------------------|-------------------------------|--------------------|-----------------|------------------------|----------------|-------------------|--------------------|---------------------------|----------------------|---------------------|---------------------------|-------------------|--|--------------------|------------------|----------------|-------------------|
| Plans   | Town of Blooming Grove | Town of Chester | Village of Chester | Town of Cornwall | Village of Cornwall-on-Hudson | Town of Crawford   | Town of Deepark | Village of Florida     | Town of Goshen | Village of Goshen | Town of Greenville | Village of Greenwood Lake | Town of Hamptonburgh | Village of Harriman | Village of Highland Falls | Town of Highlands | Village of Maybrook                          | City of Middletown | Town of Minisink | Town of Monroe | Village of Monroe |
| Community Planner   | No                     | PT              | No                 | Yes              |                               | PT                 | PT              | No                     | No             | FT                | No                 | PT                        | PT                   | No                  | PT                        | No                | Yes  | Yes                | PT               | No             | Yes               |
| Civil Engineer  | PT                     | PT              | Yes                | Yes              | PT                            | Yes,<br>Contracted | PT              | PT                     | No             | FT                | Yes                | PT                        | PT                   | PT                  | PT                        | PT                | Yes  | PT                 | PT               | PT             | FT                |
| GIS Coordinator   | No                     | PT              | No                 |                  |                               | PT                 | PT              | No                     | No             | Yes               | No                 | PT                        | PT                   | No                  | PT                        |                   | Yes  |                    | No               | No             | FT                |
| Warning Systems/services (Reverse 911, Outdoor warning signals)   | No                     | No              | No                 | No               | No                            | No                 | No              | Yes                    | No             | Yes               | No                 | No                        | Yes                  | No                  | No                        | No                | Yes  | Yes                | No               | Yes            | Yes               |
| Hazard data and information   | Yes                    | Yes             | No                 | No               |                               | Yes                | Yes             | Yes                    | No             | No                | No                 | Yes                       |                      | No                  | Yes                       |                   | Yes  | Yes                | N/A              | Yes            | No                |
| Grant writing   | No                     | Yes             | No                 | No               | No                            | Yes                | Yes             | Yes                    | No             | Yes               | No                 | Yes                       | Yes                  | No                  | Yes                       | No                | Yes  |                    | No               | No             | Yes               |
| Hazus analysis  | No                     | No              | No                 | No               | Yes                           | No                 | No              |                        | No             | No                | Yes                | No                        |                      | No                  | No                        |                   | Yes  | Yes                | Yes              | Yes            | No                |
| Capital improvements project funding  | Yes                    | No              |                    |                  | Yes                           | Yes                | No              | Yes                    | Yes            | Yes               | Yes                | No                        | Yes                  |                     | No                        |                   | Yes  | Yes                | Yes              |                | Yes               |
| Authority to levy taxes for specific purposes   | Yes                    | Yes             | Yes                |                  | Yes                           | Yes                | Yes             | Yes                    | Yes            | Yes               | Yes                | Yes                       | Yes                  | Yes                 | Yes                       | Yes               | Yes  |                    | Yes              | Yes            | Yes               |
| Fees for water, sewer, gas or electric services   | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes                | No              | Yes                    | Yes            | Yes               | N/A                | Yes                       | Yes                  | Yes                 | Yes                       | No                | Yes  | N/A                | N/A              | Yes            | Yes               |
| Impact fees for new development   | Yes                    | Yes             | Yes                | Yes              | Yes                           |                    | No              | Yes                    | Yes            | Yes               | Yes                | Yes                       | Yes                  |                     | Yes                       | No                | Yes  | Yes                | Yes              | Yes            | Yes               |
| Storm water utility fee   | No                     | No              | Yes                |                  | Yes                           | No                 | No              |                        | No             | No                | No                 | No                        | No                   |                     | No                        | No                | No   | No                 | No               |                | No                |
| Incur debt through general obligation bonds and or special tax bonds  | Yes                    | Yes             | Yes                | Yes              |                               | Yes                | Yes             | Yes                    | Yes            | Yes               | Yes                | Yes                       | Yes                  | Yes                 | Yes                       | Yes               | Yes  | Yes                | Yes              |                | Yes               |
| Incur debt through private activities   | No                     | No              | Yes                |                  |                               | No                 | No              | No                     | No             | No                | No                 | No                        | No                   |                     | No                        | No                | No   |                    | No               |                | No                |
| Community Development Block Grant   | Yes                    | Yes             | Yes                | Yes              | Yes                           | Yes                | Yes             | Yes                    | Yes            | Yes               | Yes                | Yes                       | No                   | Yes                 | Yes                       | Yes               | Yes  |                    | Yes              | Yes            | Yes               |
| Other federal funding programs  | Yes                    | Yes             |                    | Yes              | Yes                           | Yes                | Yes             | Yes                    | No             | Yes               | Yes                | Yes                       | Yes                  |                     | Yes                       | Yes               | Yes  | Yes                | Yes              |                | Yes               |
| State funding programs  | Yes                    | Yes             |                    |                  |                               | Yes                | Yes             | Yes                    | No             | Yes               | Yes                | Yes                       | Yes                  |                     | Yes                       |                   | Yes  |                    | Yes              |                | Yes               |
| Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. | Yes                    | No              | No                 | No               | Yes                           | No                 | No              | No                     | Yes            | No                |                    | No                        | No                   |                     | No                        | Yes               | No   | Yes                | No               | Yes            | No                |
| Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)                 | No                     | No              | No                 | No               | Yes                           | Yes                | No              | Yes                    | No             | Yes               | Yes                | No                        | Yes                  | Yes                 | No                        | Yes               | Yes  | No                 | No               |                | Yes               |
| Natural disaster or safety related school programs  |                        | No              | No                 | No               | No                            | Yes                | No              |                        | No             | Yes               | N/A                | No                        | No                   |                     | No                        | No                | Yes  | N/A                | N/A              | Yes            | Yes               |
| StormReady Certification  | No                     | No              | No                 | No               |                               | No                 | No              |                        | No             | No                | Yes                | No                        | Yes                  |                     | No                        | No                | Yes  | No                 | Yes              | Yes            | No                |
| Fire wise Communities certification   | No                     | No              | No                 | No               | Yes                           | No                 | No              |                        | No             | No                | N/A                | No                        | No                   |                     | No                        | No                | No   |                    | No               | No             | No                |
| Public-private partnership initiatives addressing disaster-related issues   | No                     | No              | No                 | No               | No                            | No                 | No              | No                     | No             | No                | No                 | No                        | Yes                  |                     | No                        | Yes               | No   |                    | No               | No             | No                |
| Other   |                        |                 |                    |                  |                               |                    |                 | Yes, NYS Building Code |                |                   |                    |                           | Yes 2015             |                     |                           |                   | Erosion control codes, Stormwater MGMT codes |                    |                  |                |                   |

| Table 3.3b: Jurisdictional Capability Assessment and Resource Availability (Continued)                                       |                    |                       |                    |                  |                  |                      |                  |                     |                                 |                |                        |                       |                   |                  |                 |                    |                            |                   |                  |                     |
|--|--------------------|-----------------------|--------------------|------------------|------------------|----------------------|------------------|---------------------|---------------------------------|----------------|------------------------|-----------------------|-------------------|------------------|-----------------|--------------------|----------------------------|-------------------|------------------|---------------------|
| Plans  | Town of Montgomery | Village of Montgomery | Town of Mount Hope | City of Newburgh | Town of Newburgh | Village of Otisville | County of Orange | City of Port Jervis | Village of South Blooming Grove | Town of Tuxedo | Village of Tuxedo Park | Village of Unionville | Village of Walden | Town of Wallkill | Town of Warwick | Village of Warwick | Village of Washingtonville | Town of Wawayanda | Town of Woodbury | Village of Woodbury |
| Comprehensive/Land Use Plan  | '88                | '08                   | Yes                | Yes              | '05              | '11                  | Yes              | Yes                 | Yes                             | Yes            | No                     | No                    | '10               | Yes              | Yes             | '04                | Yes                        | Yes               | '88              | '11                 |
| Capital Improvement Plan   | No                 | Yes                   | No                 | Yes              | Yes              | '11                  | Yes              | Yes                 | No                              | No             | Yes                    | No                    | '10               | In progress      | Yes             | No                 | No                         | No                | No               | '15                 |
| Economic Development Plan  | No                 | Yes                   | No                 | Yes              | No               | Yes                  | Yes              | Yes                 | No                              | No             | No                     | No                    | No                | Yes              | Yes             | No                 | No                         | No                | No               | No                  |
| Local Emergency Operations Plan  | Yes                | No                    | Yes                | '09              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | '15            | Yes                    | No                    | Yes               | Yes              | Yes             | '15                | Yes                        | Yes               | Yes 911          | Yes                 |
| Continuity of Operations Plan  | No                 | No                    | Yes                | No               | No               | Yes                  | Yes              |                     | No                              | No             | Yes                    | No                    | Yes               |                  | Yes             | Yes                | Yes                        | Yes               | Yes 911          | Yes                 |
| Transportation Plan  | No                 | No                    | No                 | No               | No               | No                   | Yes              |                     | Yes                             | No             | No                     | No                    | No                | N/A              | Yes             | No                 | No                         | No                | No               | No                  |
| Storm water Management Plan  | Yes, '05           | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              |                     | Yes                             | Yes            | Yes                    | No                    | Yes               | Yes              | Yes             | No                 | Yes                        | Yes               | Yes 911          | Yes                 |
| Community Wildfire Protection Plan   | No                 | No                    | No                 | No               |                  | No                   | No               | No                  | No                              | No             | Yes                    | No                    | No                |                  | No              | No                 | No                         | No                | No               | No                  |
| Other special plans (e.g., Brownfields redevelopment, disaster recovery, coastal zone management, climate change adaptation) | No                 | No                    | No                 |                  |                  | No                   |                  |                     | Yes                             | Yes            | Yes                    | Yes                   | No                |                  | No              | Yes                | Yes                        |                   |                  |                     |
| Building Code  | Yes, '10           | '74                   | '15                | '10 NYS          | Int'l Code '10   | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | Yes              | Yes             | NYSBC '10          | NYSBC '10                  | NYSBC '10         | NYSBC '10        | NYSBC '10           |
| Building Code Effectiveness Grading Schedule (BCEGS) Score   |                    |                       | No                 | No               | No               |                      | No               |                     | Yes                             | No             | Yes                    | No                    | No                |                  |                 | Yes                | No                         | Yes               | N/A              | No                  |
| Fire Department ISO Rating   |                    |                       | Yes                | Yes              | Yes              |                      | N/A              | Yes                 |                                 | Yes            | N/A                    |                       | Yes               | Yes              |                 | Yes                | Yes                        |                   | Yes              | Yes                 |
| Site Plan review requirements  | Yes                | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Zoning Ordinance   | Yes                | Yes                   | Yes                | Yes              | Yes              | Yes                  | N/A              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | No               | Yes                 |
| Subdivision Ordinance  | Yes                | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    |                       | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | No               | Yes                 |
| Floodplain Ordinance   | Yes                | Yes                   | Yes                | No               | Yes              | No                   | Yes              | Yes                 | Yes                             | Yes            | Yes                    | No                    | Yes               | Yes              | Yes             | Yes                | Yes                        | No                | Yes              | Yes                 |
| Natural Hazard specific ordinance (storm water, steep slope, wildfire)   |                    | Yes                   | Yes                | No               | Yes              | Yes                  | Yes              | Yes                 | Yes                             | No             | Yes                    | No                    | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Flood Insurance rate maps  | Yes, '07           | Yes                   | No                 | Yes              | Yes              | No                   | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | No               | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Acquisition of land for open space and public recreation uses  |                    | Yes                   | Yes                |                  | Yes              | Yes                  | Yes              |                     | Yes                             |                | Yes                    | No                    | No                | Yes              | Yes             | No                 | Yes                        | No                | Yes              | Yes                 |
| Planning Commission  | Yes                | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Mitigation Planning Committee  | No                 | No                    | No                 | No               | Yes              | No                   | Yes              | Yes                 | Yes                             | No             | Yes                    | No                    | No                | Yes              | Yes             | No                 | Yes                        | Yes               | Yes              | Yes                 |
| Maintenance programs to reduce risk (e.g., tree trimming, clearing drainage systems)   | Yes                | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Mutual aid agreements  |                    | Yes                   | Yes                | Yes              | Yes              | Yes                  |                  | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes               |                  | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Chief Building Official  | Yes                | Yes                   | PT                 | Yes              | FT               | PT                   | Yes              | FT                  | FT                              | Yes            | Yes                    | Yes                   | FT                |                  | PT              | FT                 | PT                         | PT                | FT               | FT                  |
| Floodplain Administrator   | FT                 | Yes                   | No                 | Yes              | FT               | No                   | Yes              | FT                  | FT                              | Yes            | Yes                    | No                    | FT                |                  | PT              | PT                 | PT                         | PT                | FT               | FT                  |
| Emergency Manager  | FT                 | Yes                   | PT                 | Yes              | Yes              | Yes                  | Yes              | PT                  | Yes                             | Yes            | Yes                    | No                    | FT                |                  | PT              | Yes                | PT                         | PT                | FT               | Vol                 |
| Community Planner  | Consult.           | Yes                   | PT                 | Yes              | Yes              | No                   | Yes              |                     | No                              | Yes            | Yes                    | No                    | PT                | Yes              | Yes             | PT                 | No                         | PT                | PT               | FT                  |
| Civil Engineer   | Consult.           |                       | PT                 | Yes              | Yes              | Yes                  | Yes              | PT                  | PT                              | Yes            | Yes                    | FT                    | FT                | PT               | Yes             | PT                 | PT                         | PT                | PT               | Consult.            |
| GIS Coordinator  | No                 | No                    | PT                 | Yes              | No               | No                   | Yes              | No                  | No                              | Yes            | Yes                    | Yes                   | No                |                  | No              | No                 | No                         |                   | PT               | No                  |

| Table 3.3b: Jurisdictional Capability Assessment and Resource Availability (Continued)  |                    |                       |                    |                  |                  |                      |                  |                     |                                 |                |                        |                       |                          |                  |                 |                    |                            |                   |                  |                     |
|---|--------------------|-----------------------|--------------------|------------------|------------------|----------------------|------------------|---------------------|---------------------------------|----------------|------------------------|-----------------------|--------------------------|------------------|-----------------|--------------------|----------------------------|-------------------|------------------|---------------------|
| Plans   | Town of Montgomery | Village of Montgomery | Town of Mount Hope | City of Newburgh | Town of Newburgh | Village of Otisville | County of Orange | City of Port Jervis | Village of South Blooming Grove | Town of Tuxedo | Village of Tuxedo Park | Village of Unionville | Village of Walden        | Town of Wallkill | Town of Warwick | Village of Warwick | Village of Washingtonville | Town of Wawayanda | Town of Woodbury | Village of Woodbury |
| Warning Systems/Services (Reverse 911, Outdoor warning signals)   | Yes                | Yes                   | No                 | No               | Yes              | Yes                  | Yes              | Yes                 | No                              | No             | Yes                    | Yes                   | Yes                      | Yes              | Yes             | Yes                | Yes                        | No                | No               | Yes                 |
| Hazard data and information   | No                 |                       | No                 |                  | No               | No                   | Yes              | Yes                 | Yes                             | No             | Yes                    | No                    | No                       | Yes              | Yes             |                    | Yes                        | Yes               | Yes              | Yes                 |
| Grant writing   | As needed          | Yes                   | Yes                |                  | No               | No                   | Yes              | Yes                 | No                              | No             | Yes                    | Yes                   | Yes                      |                  | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Hazus analysis  |                    | No                    | No                 |                  | No               | No                   | Yes              |                     | No                              | No             | Yes                    | No                    | No                       | Yes              |                 |                    | No                         | No                | No               | Yes                 |
| Capital improvements project funding  | Yes                |                       | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | No             | Yes                    | Yes                   | Yes                      | Yes              | Yes             | Yes                | Yes                        | Yes               | No               | Yes                 |
| Authority to levy taxes for specific purposes   | Yes                |                       | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes                      |                  | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Fees for water, sewer, gas or electric services   | Yes                | Yes                   | No                 | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | Yes            | Yes                    | Yes                   | Yes                      | N/A              | Yes             | Yes                | Yes                        | Yes               | No               | Yes                 |
| Impact fees for new development   | Yes                | Yes                   | Yes                | No               | Yes              | No                   | Yes              |                     | Yes                             | Yes            | Yes                    | No                    | Yes                      | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Storm water utility fee   | Yes                | No                    | No                 | No               | Yes              | No                   | Yes              | No                  | No                              | No             | Yes                    | No                    | Yes                      | No               | No              | No                 | No                         | No                | No               | No                  |
| Incur debt through general obligation bonds and or special tax bonds  | Yes                | Yes                   | No                 | Yes              | Yes              | No                   | Yes              | Yes                 | Yes                             | Yes            | No                     | Yes                   | Yes                      | Yes              | Yes             | No                 | Yes                        | Yes               | Yes              | Yes                 |
| Incur debt through private activities   | Yes                | No                    | No                 | No               | N/A              | No                   | No               | No                  | No                              | No             | No                     | No                    | No                       |                  | No              | No                 | No                         | No                | NO               | No                  |
| Community Development Block Grant   | No                 | Yes                   | Yes                | Yes              | Yes              | Yes                  | Yes              | Yes                 | Yes                             | No             | No                     | Yes                   | Yes                      |                  | Y/N             | Yes                | N/A                        | Yes               | Yes              | Yes                 |
| Other federal funding programs  |                    |                       | No                 |                  | Yes              | Yes                  | Yes              |                     | Yes                             | No             | Yes                    | Yes                   | Yes                      | Yes              | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| State funding programs  |                    |                       | No                 |                  | Yes              | Yes                  | Yes              |                     | Yes                             | Yes            | Yes                    | Yes                   | Yes                      |                  | Yes             | Yes                | Yes                        | Yes               | Yes              | Yes                 |
| Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. | Yes                | Yes                   | No                 | No               |                  | No                   | Yes              |                     | Yes                             | Yes            | Yes                    | No                    | No                       | Yes              | Yes             | Yes                | Yes                        | No                | No               | Yes                 |
| Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)                 | Yes                | Yes                   | Yes                | No               |                  | Yes                  | Yes              | Yes                 | No                              | Yes            | Yes                    | Yes                   | No                       | No               | Yes             | Yes                | Yes                        | No                | No               | Yes                 |
| Natural disaster or safety related school programs  | No                 | No                    | No                 | No               |                  | Yes                  | Yes              | Yes                 |                                 | Yes            | Yes                    |                       | No                       | N/A              | No              | No                 | No                         | No                | No               | Yes                 |
| StormReady Certification  | No                 | No                    | No                 | No               |                  | No                   | Yes              |                     | No                              | Yes            | Yes                    | No                    | No                       | No               |                 | No                 | Yes                        | No                | No               | No                  |
| Fire wise Communities certification   | No                 | No                    | No                 | No               |                  | No                   | No               |                     | No                              | No             | Yes                    | No                    | No                       |                  | No              | No                 | No                         | No                | No               |                     |
| Public-private partnership initiatives addressing disaster-related issues   | No                 | No                    | No                 | No               |                  | No                   | Yes              |                     | No                              | Yes            | Yes                    | No                    | No                       |                  |                 | Yes                | No                         | No                | No               | Yes                 |
| Other   |                    |                       |                    |                  |                  |                      |                  |                     |                                 |                | Dams                   |                       | Code Enforcement Officer |                  | Yes             |                    |                            |                   |                  |                     |

### 3.4 Public Participation

During the 2018 Orange County Multi-Jurisdictional Multi-Hazard Mitigation Plan Update process, public involvement was included at two levels. At the local level, community input was sought during the hazard vulnerability and assessment phase of the project. Each participating jurisdiction was responsible for making sure their hazard history and vulnerabilities were accurately portrayed in the draft HMP. The collection of this information often times involved individuals aside from those on the Project Team. Additionally, the Project Team set up meetings with local hazard mitigation and emergency management official to facilitate discussion on the draft HMP and associated information collection. During these meetings, we asked local municipal representatives in attendance to complete several worksheets that outlined what hazards, critical facilities, etc. were most important to their individual municipality. A list of these efforts and a blank copy of the worksheets completed, can be found in Appendix A. The information retrieved from local municipal representatives through these worksheets has been summarized in their respective annexes in Section 10.

The second level of public involvement for the County HMP was provided through a stakeholders meeting, held at the Orange County Emergency Operations Center in Goshen on Wednesday, March 2, 2016. Key public organizations such as the Wallkill River Task Force, Scenic Hudson, and the Orange County Land Trust among others were invited to attend. Additionally, important private sector companies and firms such as Norfolk-Southern Rail and Orange Regional Medical Center among others were also invited to the meeting. All attendees were updated on the draft status of the plan and directed how to raise concerns and issues or to suggest potential hazard mitigation projects. Stakeholders were invited to provide comments for a 16-day period afterwards. Information and materials including a list of invitees is located in Appendix A.

Shortly after the stakeholders meeting, the general public was also invited to review the draft document and to provide comments and input on hazards, hazard response, and hazard mitigation as the draft 2016 County Multi-Jurisdictional HMP was also available for review electronically on the website of the Orange County Department of Emergency Services at <http://www.orangecountygov.com/content/1162/975/2095/1008/>. All comments received as part of the public review were considered and incorporated into the HMP, as appropriate.



Figure 3.4a:



Lastly, the complete draft HMP was also posted to the website of the Orange County Department of Emergency Services in May 2016 to allow for another round of public review and comment concurrent to review and comment by the NYSDHSES. Such comments were requested to be submitted by early June 2016. Local municipal representatives and those on the stakeholder invitation list were contacted via email from Orange County Emergency Planner Dominick Greene to make them aware of the posted full draft. Each municipal representative was directly emailed a link to their respective annex between May 17 and June 1, 2016.

When the second draft HMP was completed in April 2017 following comment from NYSDHSES, the public was notified of the plan's availability for comment and posting on the Orange County website. The public was notified via official press release from the Orange County Executive's Office in newspapers, web postings, direct email notification, and flyers posted at public gathering places throughout the county. The intake system for public comment was a survey link on the Orange County website hosted by SurveyMonkey. Documentation of this public participation phase can be found at the back of Appendix A.

A third and final draft of the HMP was completed in April 2018 following second round of comment from NYSDHSES. A final review was completed by NYSDHSES before it was forwarded to FEMA for final approval.

### 3.5 Coordination with Agencies

County, regional, state, and federal agencies were consulted for relevant information and recommendations with regard to the Hazard Mitigation Plan Update effort. The contributions from agencies and organizations that supported the update planning process include participation in the CEPA risk assessment, review and comment on portions of the draft HMP, and the collection and/or dissemination of information or data to be used in the planning process. These

agencies that provided the most assistance throughout this process include: FEMA, Orange County Department of Emergency Services, Orange County Division of Emergency Management, NOAA, Orange County Planning Department, Orange County G.I.S. Division, National Weather Service, New York State Office of Emergency Management, Orange County Office of Real Property, and the U.S. Geological Survey.