

## FEMA Review of the Suffolk County Multi-Jurisdictional Hazard Mitigation Plan

[This is a FEMA Review. State may comment separately.]

This *Local Mitigation Plan Review Tool* documents where the Mitigation Plan met or did not meet federal planning requirements and it offers additional feedback.

- Section 1: The Regulation Checklist provides a summary of FEMA’s evaluation of whether the Plan has addressed all requirements. It may also note where modifications are required to comply with federal regulations.
- Section 2: The Plan Assessment identified the plan’s strengths and recommends areas for future improvement.
- Section 3: The Multi-Jurisdictional Summary Sheet denotes those jurisdictions that are APA and for those that have required revisions, it notes which elements require revision.

**Summary:** Congratulations, the plan has been designated Approvable Pending Adoption (APA). **There is one more step before the plan can be approved by FEMA.** The county, each participating town and village, and the two tribal nations that participated must separately adopt the plan. Please submit certified adoption resolutions through DHSES as soon as practical. FEMA’s approval will come upon the receipt of these resolutions. The five-year life of the plan will begin for all jurisdictions on the day the first jurisdiction is approved.

|   |  |  |
|---|--|--|
| <b>Jurisdictions:</b> Suffolk County, 41 municipalities (see Sec. 3), Shinnecock Indian Nation, Unkechaug Tribal Nation, and the Suffolk County Water Authority | <b>Title of Plan:</b><br>Suffolk County Multi-Jurisdictional Multi-Hazard Hazard Mitigation Plan 2020 Update | <b>Date of Plan:</b><br>October 9, 2020  |
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| <b>State Reviewer:</b><br>Shannon Clarke<br>Corrina Cavallo | <b>Title:</b><br>Hazard Mitigation Planning Manager<br>Deputy Chief of Hazard Mitigation | <b>Date:</b><br>11/18/20<br>11/27/20 |
|---|--|--------------------------------------|

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|--|-------------------------------------|-------------------------|
| <b>FEMA Reviewer:</b><br>Paul Hoole            | <b>Title:</b><br>Mitigation Planner | <b>Date:</b><br>12/3/20 |
| <b>Date Received in FEMA Region (insert #)</b> | 12/3/20                             |                         |
| <b>Plan Not Approved</b>                       |                                     |                         |
| <b>Plan Approvable Pending Adoption</b>        | 12/4/20                             |                         |
| <b>Plan Approved</b>                           |                                     |                         |



**SECTION 1:  
REGULATION CHECKLIST**

The purpose of the Regulation Checklist is to identify the location of relevant or applicable content in the Plan by Element/sub-element and to determine if each requirement has been ‘Met’ or ‘Not Met.’ The ‘Required Revisions’ summary at the bottom of each Element provides a clear explanation of the revisions that are required for plan approval.

| 1. REGULATION CHECKLIST<br>Regulation (44 CFR 201.6 Local Mitigation Plans)   | Location in Plan<br>(section and/or<br>page number)   | Met | Not<br>Met |
|---|---|-----|------------|
| <b>ELEMENT A. PLANNING PROCESS</b>  |   |     |            |
| A1. Does the Plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement §201.6(c)(1))  | Executive Summary,<br>Section 3,<br>Annexes<br>Appx C | X   |            |
| A2. Does the Plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development as well as other interests to be involved in the planning process? (Requirement §201.6(b)(2)) | Section 3<br>Appx B<br>Appx D                         | X   |            |
| A3. Does the Plan document how the public was involved in the planning process during the drafting stage? (Requirement §201.6(b)(1))  | Section 3,<br>Appx D                                  | X   |            |
| A4. Does the Plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement §201.6(b)(3))  | Section 3<br>Resources Section<br>Appx I<br>Annexes   | X   |            |
| A5. Is there discussion of how the community(ies) will continue public participation in the plan maintenance process? (Requirement §201.6(c)(4)(iii))   | Section 3,<br>Section 7                               | X   |            |
| A6. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a 5-year cycle)? (Requirement §201.6(c)(4)(i))   | Section 7   | X   |            |
| <b><u>ELEMENT A: REQUIRED REVISIONS</u></b><br>No revision required.  |   |     |            |

| <b>1. REGULATION CHECKLIST</b>  |                                | <b>Location in Plan</b>             | <b>Met</b> | <b>Not Met</b> |
|---|--------------------------------|-------------------------------------|------------|----------------|
| <b>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>   |                                | <b>(section and/or page number)</b> |            |                |
| <b>ELEMENT B. HAZARD IDENTIFICATION AND RISK ASSESSMENT</b>   |                                |                                     |            |                |
| B1. Does the Plan include a description of the type, location, and extent of all natural hazards that can affect each jurisdiction(s)? (Requirement §201.6(c)(2)(i))                                | Section 5                      | X                                   |            |                |
| B2. Does the Plan include information on previous occurrences of hazard events and on the probability of future hazard events for each jurisdiction? (Requirement §201.6(c)(2)(i))                  | Section 5, Annexes             | X                                   |            |                |
| B3. Is there a description of each identified hazard's impact on the community as well as an overall summary of the community's vulnerability for each jurisdiction? (Requirement §201.6(c)(2)(ii)) | Section 4, Section 5.4 Annexes | X                                   |            |                |
| B4. Does the Plan address NFIP insured structures within the jurisdiction that have been repetitively damaged by floods? (Requirement §201.6(c)(2)(ii))   | Annexes                        | X                                   |            |                |
| <b><u>ELEMENT B: REQUIRED REVISIONS</u></b>   |                                |                                     |            |                |
| No revisions required   |                                |                                     |            |                |

| <b>1. REGULATION CHECKLIST</b>   |                                      | <b>Location in Plan</b>             | <b>Met</b> | <b>Not Met</b> |
|--|--------------------------------------|-------------------------------------|------------|----------------|
| <b>Regulation (44 CFR 201.6 Local Mitigation Plans)</b>  |                                      | <b>(section and/or page number)</b> |            |                |
| <b>ELEMENT C. MITIGATION STRATEGY</b>  |                                      |                                     |            |                |
| C1. Does the plan document each jurisdiction's existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement §201.6(c)(3))  | Section 3 Annexes                    | X                                   |            |                |
| C2. Does the Plan address each jurisdiction's participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement §201.6(c)(3)(ii))  | Annexes                              | X                                   |            |                |
| C3. Does the Plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement §201.6(c)(3)(i))   | Executive Summary, Section 6 Annexes | X                                   |            |                |
| C4. Does the Plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement §201.6(c)(3)(ii)) | Section 6, Annexes                   | X                                   |            |                |
| C5. Does the Plan contain an action plan that describes how the actions identified will be prioritized (including cost benefit review), implemented, and administered by each jurisdiction? (Requirement §201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))                      | Section 6, Annexes                   | X                                   |            |                |
| C6. Does the Plan describe a process by which local governments will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement §201.6(c)(4)(ii))                      | Section 7 Annexes                    | X                                   |            |                |
| <b><u>ELEMENT C: REQUIRED REVISIONS</u></b>  |                                      |                                     |            |                |
| No revisions required  |                                      |                                     |            |                |

| <b>1. REGULATION CHECKLIST</b>   |                    | <b>Location in Plan</b>      | <b>Met</b> | <b>Not Met</b> |
|--|--------------------|------------------------------|------------|----------------|
| Regulation (44 CFR 201.6 Local Mitigation Plans)   |                    | (section and/or page number) |            |                |
| <b>ELEMENT D. PLAN REVIEW, EVALUATION, AND IMPLEMENTATION</b> (applicable to plan updates only)      |                    |                              |            |                |
| D1. Was the plan revised to reflect changes in development? (Requirement §201.6(d)(3))               | Annexes            | X                            |            |                |
| D2. Was the plan revised to reflect progress in local mitigation efforts? (Requirement §201.6(d)(3)) | Annexes            | X                            |            |                |
| D3. Was the plan revised to reflect changes in priorities? (Requirement §201.6(d)(3))                | Section 6, Annexes | X                            |            |                |
| <b><u>ELEMENT D: REQUIRED REVISIONS</u></b><br>No revisions required                                 |                    |                              |            |                |

| <b>1. REGULATION CHECKLIST</b>   |                   | <b>Location in Plan</b>      | <b>Met</b> | <b>Not Met</b> |
|--|-------------------|------------------------------|------------|----------------|
| Regulation (44 CFR 201.6 Local Mitigation Plans)   |                   | (section and/or page number) |            |                |
| <b>ELEMENT E. PLAN ADOPTION</b>  |                   |                              |            |                |
| E1. Does the Plan include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval? (Requirement §201.6(c)(5))  |                   | NA                           |            | NA             |
| E2. For multi-jurisdictional plans, has each jurisdiction requesting approval of the plan documented formal plan adoption? (Requirement §201.6(c)(5))  | Section 2, Appx A |                              |            | X              |
| <b><u>ELEMENT E: REQUIRED REVISIONS</u></b><br>Follow the process explained in Section 2. FEMA with is review has determined the plan is approvable pending adoption. Each jurisdiction should adopt the plan as soon as practical. When a resolution of adoption is received from a jurisdiction, the jurisdiction will be recorded as having an approved plan. |                   |                              |            |                |

## **SECTION 2:**

### **PLAN ASSESSMENT - Plan Strengths and Opportunities for Improvement**

This section provides a discussion of the strengths of the plan document and identifies areas where these could be improved beyond minimum requirements.

#### **Element A: Planning Process**

##### **Strengths**

- The plan provides excellent documentation in Volume 1, the Annexes, and in the Appendices. Of particular note is the References Section, which complements nicely the full description of the agencies involved in the planning process and the role that they play in keeping the community safe. The agency descriptions, supported by the Resources Section that demonstrates every effort was made to consider outside resources when the update was being developed. In the plan itself there were also references to specific plans that provided input to the hazard mitigation plan.

##### **Opportunity for Improvement**

- No significant improvement to suggest

#### **Element B: Hazard Identification and Risk Assessment**

##### **Strengths**

- The plan goes into great depth on each of the hazards, often providing maps along with tables to describe the location of the risks.
- The profiles for severe storms and severe winter storms include multiple threats, like high winds, lightning, storms with heavy snow, sleet, etc. etc. In these profiles the probability of each of these threats is given and the percent change of an event in a given year is provided. This is an excellent way to help decision-makers understand that storms are weather events with multiple types of hazards embedded in them, which require separate consideration on what might be done to mitigate these distinct threats.

##### **Opportunity for Improvement**

- No significant improvement to suggest

#### **Element C: Mitigation Strategy**

##### **Strengths**

- The plan includes many substantive mitigation actions that address clearly articulated problems.
- The Capability Assessment of each jurisdiction went beyond providing a long list of capabilities. It also described in some depth most of the capabilities. This included a good description of each jurisdiction's participation in the National Flood Insurance Program.
- The plan includes tribal nations. Each provided the necessary assurances called for when tribal nations participate.
- Appendix H Mitigation Catalog – This is a very good addition to the plan. It not only lists the types of actions that governments can take (by Hazard), it lists actions individual and

corporations can take. This help reinforce that whole community can help in lowering risk and building resiliency.

### **Opportunity for Improvement**

- Many of the towns and villages plan to reach out to property owners where flooding frequently occurs to provide information on mitigation, such as acquisition, elevation, and floodproofing. This presents an opportunity for the county to bring these municipalities together for the purpose of developing a common and effective approach with supporting handouts and/or PowerPoint slides. The state and FEMA Region 2 may be able to support this effort by attending meetings or providing material.
- The plan in describing the capabilities of each jurisdiction does an excellent job in describing how controlling and lowering risks. It is clear a integrated approach does exist and the plan does cite some specific plans in describing vulnerabilities (e.g. Lake Ronkonkoma Clean Lakes Study on page 5.4.15-9). The plan would be improved if a succinct table were included that listed all the specific plans reviewed in one place, and any actions if appropriate that will be taken to strengthen the integrated approach already being taken. The table listing plans reviewed in Section 3.4 was a list of the types of plans reviewed.
- The formatting of tables where actions, with narrow columns design to contain a few words on the problem being addressed, made it necessary to expend a single row in the table to multiple pages in some cases. A reformatting of these tables would be appropriate when the plan is next updated. The solution is not to have the information shortened to fit the table, which the plan did not due, but to change the formatting of the table. [Appendix G has a similar issue with its format.]



**SECTION 3:  
MULTI-JURISDICTION SUMMARY SHEET**

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**Plan Summary Sheet**  
FEMA Review Tool

**Plan Name:** Suffolk County Hazard Mitigation Plan

**Status by Jurisdiction:**

| Jurisdiction Name             | Designated<br>Approved<br>or APA | Elements Requiring Revisions |           |           |           |
|-------------------------------|----------------------------------|------------------------------|-----------|-----------|-----------|
|                               | Yes / No                         | Element A                    | Element B | Element C | Element D |
| <b>Suffolk County</b>         | Yes                              |                              |           |           |           |
| <b>Town of Babylon</b>        | Yes                              |                              |           |           |           |
| Amityville, V                 | Yes                              |                              |           |           |           |
| Babylon, V                    | Yes                              |                              |           |           |           |
| Lindenhurst, V                | Yes                              |                              |           |           |           |
| <b>Town of Brookhaven</b>     | Yes                              |                              |           |           |           |
| Belle Terre, V                | Yes                              |                              |           |           |           |
| Bellport, V                   | Yes                              |                              |           |           |           |
| Lake Grove, V                 | Yes                              |                              |           |           |           |
| Old Field, V                  | Yes                              |                              |           |           |           |
| Patchogue, V                  | Yes                              |                              |           |           |           |
| Poquott, V                    | Yes                              |                              |           |           |           |
| Port Jefferson, V             | Yes                              |                              |           |           |           |
| Shoreham, V                   | Yes                              |                              |           |           |           |
| <b>Town of East Hampton</b>   | Yes                              |                              |           |           |           |
| East Hampton, V               | Yes                              |                              |           |           |           |
| Sag Harbor, V                 | Yes                              |                              |           |           |           |
| <b>Town of Huntington</b>     | Yes                              |                              |           |           |           |
| Asharoken, V                  | Yes                              |                              |           |           |           |
| Huntington Bay, V             | Yes                              |                              |           |           |           |
| Lloyd Harbor, V               | Yes                              |                              |           |           |           |
| Northport, V                  | Yes                              |                              |           |           |           |
| <b>Town of Islip</b>          | Yes                              |                              |           |           |           |
| Brightwaters, V               | Yes                              |                              |           |           |           |
| Islandia, V                   | Yes                              |                              |           |           |           |
| Ocean Beach, V                | Yes                              |                              |           |           |           |
| Saltaire, V                   | Yes                              |                              |           |           |           |
| <b>Town of Riverhead</b>      | Yes                              |                              |           |           |           |
| <b>Town of Shelter Island</b> | Yes                              |                              |           |           |           |
| Dering Harbor, V              | Yes                              |                              |           |           |           |

|                                       |     |  |  |  |  |
|---------------------------------------|-----|--|--|--|--|
|                                       |     |  |  |  |  |
| <b>Town of Smithtown</b>              | Yes |  |  |  |  |
| Head of Harbor, V                     | Yes |  |  |  |  |
| Branch, V                             | Yes |  |  |  |  |
| Nissequogue, V                        | Yes |  |  |  |  |
|                                       |     |  |  |  |  |
| <b>Town of Southampton</b>            | Yes |  |  |  |  |
| Southampton, V                        | Yes |  |  |  |  |
| North Haven, V                        | Yes |  |  |  |  |
| Quogue, V                             | Yes |  |  |  |  |
| Westhampton Beach, V                  | Yes |  |  |  |  |
| ,West Hampton Dunes, V                | Yes |  |  |  |  |
|                                       |     |  |  |  |  |
| <b>Town of Southold</b>               | Yes |  |  |  |  |
| Greenport, V                          | Yes |  |  |  |  |
|                                       |     |  |  |  |  |
| <b>Shinnecock Indian Nation</b>       | Yes |  |  |  |  |
|                                       |     |  |  |  |  |
| <b>Unkechaug Tribal Nation</b>        | Yes |  |  |  |  |
|                                       |     |  |  |  |  |
| <b>Suffolk County Water Authority</b> | Yes |  |  |  |  |

For the record, the Village of Sagaponack did not participate in this plan.