

# Village of Mill Neck Annex

This document presents the Village of Mill Neck’s annex to the *Nassau County Multi-Jurisdictional Hazard Mitigation Plan*.

## Hazard Mitigation Plan Points of Contact

The individuals below have been identified as this jurisdiction’s points of contact for the hazard mitigation plan. These individuals are members of the Planning Committee that met regularly for the update of this plan and will continue to meet in the years ahead to implement it.

| Primary Point of Contact   | Alternate Point of Contact  |
|--|---|
| Donna Harris, Village Clerk & Treasurer<br>Village of Mill Neck<br>32 Frostmill Road<br>Mill Neck NY, 11765<br>millneckvillage@optonline.net<br>516-922-6722 | Joshua Kugler, Commissioner Of Emergency Management<br>Village of Mill Neck<br>32 Frostmill Road<br>Mill Neck NY, 11765<br>jkugler@snch.org<br>516-336-2941 |

## Profile

The Village of Mill Neck covers approximately 2.57 square miles<sup>1</sup> and has a total population of 1,011 according to the American Community Survey 5-Year 2018 Estimates. Some of the demographics of the Village of Mill Neck are summarized in Table 1. This information supported the development of mitigation actions that account for the needs of the most vulnerable individuals in the community.

Table 1: Village of Mill Neck Demographic Information

| Demographic                                      | Demographic              |
|--|--------------------------|
| Below 5 Years Old                                | 1.3%                     |
| Above 65 Years Old                               | 20.5%                    |
| Individuals with Disabilities                    | Information not provided |
| Persons in Poverty                               | 5.8%                     |
| Renters  | 10.3%                    |
| Without a High School Diploma                    | 1.8%                     |
| Black or African American alone                  | 0.0%                     |
| American Indian and Alaska Native alone          | 0.0%                     |
| Asian alone                                      | 8.2%                     |
| Native Hawaiian and other Pacific Islander alone | 0.0%                     |
| Two or More Races                                | 1.3%                     |
| White alone, not Hispanic or Latino, percent     | 85.4%                    |

<sup>1</sup> This is inclusive of land area only.

| Demographic                          |      | Demographic        |      |
|--------------------------------------|------|--------------------|------|
| Without Access to Broadband Internet | 0.0% | Hispanic or Latino | 0.0% |

Mill Neck is purely a residential village with minimal development. Most construction includes residential renovations, with little to no subdivisions or influx in homes or population. The jurisdiction maintains zoning maps and planning teams. By understanding these development trends and how they intersect with hazard-prone areas, this allows for current and future vulnerabilities to be planned for and avoided.

Refer to the **County Profile** section of this plan for additional information related to current and future conditions of the County’s vulnerable population and the natural environment. This information provides important context for understanding hazard mitigation planning.

## Hazard Vulnerability

This section summarizes how the natural hazards profiled in Section 4 of this plan impact the Village of Mill Neck. The jurisdiction identified Hurricane, Severe Winter Weather, and Wind as the hazards that impact the community most. Table 2 shows the sectors of the community that are most likely to be impacted by each hazard. The categories that were considered included the community, economy, health and social services, housing, infrastructure, natural and cultural resources, or no impact. No impact indicates that the jurisdiction did not identify a noticeable impact from the hazard over the past five years, even if the hazard occurs. This information was used to develop a relevant and effective mitigation strategy for the jurisdiction. Detailed hazard event histories, critical facility exposure, and additional vulnerability information can be found in each hazard profile in Section 4 of this plan.

The hazards that most impact the Village of Mill Neck include: **Hurricane, Severe Winter Weather, and Wind.**

Table 2: Village of Mill Neck Hazard Impacts

| Hazard                        | Impact Categories       |
|-------------------------------|-------------------------|
| Coastal Hazards               | No Impact               |
| Drought                       | No Impact               |
| Extreme Temperatures          | No Impact               |
| Flooding                      | Infrastructure          |
| Ground Failure                | No Impact               |
| Hurricane and Tropical Storms | Community, Housing      |
| Hail                          | No Impact               |
| Lightning                     | No Impact               |
| Severe Winter Weather         | Housing, Infrastructure |
| Tornados                      | No Impact               |
| Wind                          | Housing                 |

## Capability Assessment

This section summarizes the capabilities that the Village of Mill Neck has in place that can support hazard mitigation. These capabilities include plans, ordinances, staff, financial resources, and program participation. This Capability Assessment was used to help drive the identification and development of the projects presented in the Mitigation Strategy to make sure that they are appropriate in scope and achievable to implement.

### Legal and Regulatory Capability Assessment

Table 3 lists the assessment existing legal and regulatory tools for the Village of Mill Neck. The Village of Mill Neck maintains several key administrative and technical capabilities to support mitigation, including building codes, capital improvement plans, site plan review requirements, subdivision ordinances, and zoning ordinances. These capabilities are critical to consider as tools in developing and implementing mitigation strategies. To further enhance their mitigation capabilities, the Village can consider the capabilities in the table below that the Village currently does not have. These additional capabilities would either support creating a legal framework or strategy for implementing a diversity of mitigation actions.

*Table 3: Village of Mill Neck Existing Legal and Regulatory Capabilities*

| Regulatory Tool                           | Yes / No | Citation (if applicable)        |
|---|----------|---------------------------------|
| Access and Functional Needs Plan          | No       |                                 |
| Building Code                             | Yes      | Village of Mill Neck Ordinances |
| Capital Improvement Plan                  | Yes      | Village Budgets                 |
| Climate Action Plan                       | No       |                                 |
| Community Development Plan                | No       |                                 |
| Comprehensive Plan / Master Plan          | No       |                                 |
| Economic Development Plan(s)              | No       |                                 |
| Emergency Response Plan(s)                | No       |                                 |
| Floodplain Management Plan(s)             | No       |                                 |
| Growth Management Plan(s)                 | No       |                                 |
| NFIP Flood Damage Prevention Ordinance(s) | No       |                                 |
| Open Space Plan(s)                        | No       |                                 |
| Post Disaster Recovery Ordinance(s)       | No       |                                 |
| Post Disaster Recovery Plan(s)            | No       |                                 |
| Real Estate Disclosure Requirements       | No       |                                 |
| Resilience Plan(s)                        | No       |                                 |
| Site Plan Review Requirement(s)           | Yes      | Village Of Mill Neck Ordinances |
| Small Area Development Plan(s)            | No       |                                 |
| Special Purpose Ordinance(s)              | No       |                                 |

| Regulatory Tool               | Yes / No | Citation (if applicable)        |
|-------------------------------|----------|---------------------------------|
| Stormwater Management Plan(s) | No       |                                 |
| Subdivision Ordinance(s)      | Yes      | Village of Mill Neck Ordinances |
| Transportation Plan(s)        | No       |                                 |
| Zoning Ordinance(s)           | Yes      | Village of Mill Neck Ordinances |

## Administrative and Technical Capability Assessment

Table 4 lists the assessment of existing administrative and technical tools for the Village of Mill Neck. The Village of Mill Neck's primary administrative and technical capabilities include an engineers, grant writers, and natural hazards planners and scientists. The Village can bolster their capabilities in this category by identifying individuals with expertise in emergency management and GIS.

Table 4: Village of Mill Neck Existing Staff / Personnel Resource

| Staff / Personnel Resource  | Yes / No | Details   |
|---|----------|---|
| Emergency Manager(s)  | Yes      |   |
| Engineer(s) trained in construction practices related to buildings/infrastructure | Yes      | Commissioner of Public Safety and Emergency Management (Appointed position) |
| Engineer(s) with an understanding of natural and/or human caused hazards          | Yes      | LIRO Engineers Consultant   |
| Engineer(s) with knowledge of land development and land management practices      | Yes      |   |
| Grant Writers   | Yes      | LIRO Engineers-Consultant   |
| Personnel skilled or trained in Geographic Information Systems                    | No       |   |
| Personnel trained in construction practices related to buildings/infrastructure   | Yes      |   |
| Planner(s) with an understanding of natural hazards                               | No       |   |
| Planner(s) with knowledge of land development and land management practices       | Yes      |   |
| Scientist(s) familiar with natural hazards  | Yes      | Building Inspector  |
| Surveyors   | No       |   |

## Fiscal Capability Assessment

Table 5 lists the assessment of existing fiscal tools for the Village of Mill Neck. Funding is often the biggest barrier when implementing mitigation programs. The Village identified no fiscal capabilities to support mitigation. Village of Mill Neck should consider explore additional fiscal capabilities in order to gain access to additional funding for mitigation.

Table 5: Village of Mill Neck Existing Fiscal Capabilities

| Resources   | Yes / No | Additional Details |
|---|----------|--------------------|
| Ability to incur debt through general obligation bonds          | No       |                    |
| Ability to incur debt through private activity bonds            | No       |                    |
| Ability to incur dept through special tax bonds                 | No       |                    |
| Authority to levy taxes for specific purposes                   | Yes      |                    |
| Authority to utilize user fees for utility services             | No       |                    |
| Authority to withhold public expenditures in hazard prone areas | No       |                    |
| Capital improvements project funding                            | No       | Village Budgets    |
| Community Development Block Grants (CDBG)                       | No       |                    |
| Impact fees for home buyers and/or developers                   | No       |                    |
| State mitigation grant programs                                 | No       |                    |

## Community Classification Assessment

Table 6 lists the assessment of existing community classifications for the Village of Mill Neck. Exploring gaining one or more community classifications will guide the Village's mitigation programs and support capacity building.

Table 6: Village of Mill Neck Community Classifications

| Classification                                       | Yes/No (or Status) |
|--|--------------------|
| Building Code Effectiveness Grading Schedule (BCEGS) | No                 |
| Public Protection Classification Program             | No                 |
| Community Rating System (CRS)                        | No                 |
| Other Classifications                                | No                 |

## National Flood Insurance Program Summary

This section provides a summary of the floodplain management capabilities for Village of Mill Neck and how the jurisdiction is meeting the requirements of the National Flood Insurance Program (NFIP).

There are several different flood-prone areas in the Village, including areas along West Shore Road and at a small bridge type roadway over Beaverbrook and Mill Neck Creek. During severe

storms at high tide, flooding can also occur along Oyster Bay Harbor and at the Rober DeGraff causeway.

The Village's Building Superintendent is responsible for floodplain management. The Village administers the NFIP through building permit and site plan review. The Village did not note any current barriers to running a successful NFIP program. The flood maps for this jurisdiction accurately portray the current flood risk. There are currently no RiskMAP projects ongoing in this jurisdiction.

The Village of Mill Neck is in good standing with the NFIP. Based on documentation received from NYSDEC, a compliance audit in the form of a Community Assistance Visit was conducted in the village on 04/14/2016. There are no NFIP compliance violations that need to be addressed in this jurisdiction. The Flood Damage Prevention Ordinance was last amended 06/09/2009 and can be referenced in Chapter 61, L.L. No. 2-2009.

## Mitigation Strategy

The following section provides an overview of the mitigation strategy for Village of Mill Neck. It provides an overview of the jurisdiction's previous mitigation actions, proposed actions, and the NYS mitigation worksheets.

### Previous Mitigation Actions

|                                     |   |
|-------------------------------------|---|
| <b>Action</b>                       | Install Permanent Generator               |
| <b>Risk Category</b>                | Frequent power outages                    |
| <b>Project Status</b>               | Not Started                               |
| <b>Project Status Description</b>   | Mill Neck Manor w own budget and HVA team |
| <b>Carried Forward to 2020 Plan</b> | No  |
| <b>Required Changes</b>             | N/A                                       |

### Proposed Mitigation Actions

| Project Number                    | VMN_1   | VMN_2   | VMN_3                                       | VMN_4                                    |
|-----------------------------------|---|---|---|--|
| <b>Project Name</b>               | Cleft Road Electrical Utility Underground   | Power Generator for sustainment to Village Garage/Town Hall   | Stormwater Pump Causeway                    | Wetlands Perseveration                   |
| <b>Goal being met</b>             | 3, 5  | 1, 2, 3, 5  | 1   | 1  |
| <b>Hazards to be mitigated</b>    | Any Hazards Causing Power Outages   | Any Hazards Causing Power Outages   | Flooding                                    | Flooding                                 |
| <b>Priority Ranking</b>           | High  | High  | High  | High                                     |
| <b>Description of the Problem</b> | Along Cleft Road there are many low hanging damage-prone electrical and other infrastructure wires. Often | Village Garage and Town Hall are closely located and could use a single power generator backup for both | The low-lying Causeway is prone to flooding | Many high-risk wetlands/estuary flooding |

| Project Number                     | VMN_1   | VMN_2  | VMN_3  | VMN_4   |
|------------------------------------|---|--|--|---|
|                                    | power is lost when one is damaged due to wind or nearby tree damage. This creates a high risk for both personal and property damage as well as road closures. (This is a main thoroughfare and evacuation route). | facilities. These facilities support a wide variety of community resources and staff serving critical purposes, road preservation (tree removal; snow removal; salting). The post office and other government offices are in the Town Hall. Loss of power/electricity to the main Village Hall and Garage where mitigation staff has equipment. Town Hall does have a basement that could potentially be used as an emergency sheltering facility. |  |   |
| <b>Description of the Solution</b> | To place wires in an underground conduit throughout the length of Cleft Road. This was accomplished during the underground on West Shore post-Superstorm with excellent results.                                  | Provide free-standing backup power via a generator to buildings.   | Install pumps to remove water  | Work with the Department of Environmental Conservation (DEC) to identify preservation |
| <b>Critical Facility</b>           | No  | Yes  | No   | No  |
| <b>EHP Issues</b>                  | No  | No   | No   | No  |
| <b>Estimated Timeline</b>          | 1 - 3 Years   | 3 - 6 Months   | Unknown (Years)  | Unknown   |
| <b>Lead Agency</b>                 | Trustee for Roads and/or Building Inspector   | Village Hall and Department of Public Works  | Village and Department of Public Works                                 | Mill Neck Village and Department of Environmental Conservation                        |
| <b>Estimated Costs</b>             | \$80,000 - \$100,000; Estimated: \$30 - \$50 per linear foot  | \$50,000 - \$100,000   | \$200,000 - \$300,000  | \$150,000 - \$250,000   |
| <b>Estimated Benefits</b>          | Loss of personal, property, and needed infrastructure; in addition to avoidance of repeated emergency response.   | This would prevent closures of these two facilities, allowing many Village staff to continue doing their day-to-day jobs and supporting effective response to downed trees, snow-removal needs, and other functions dependent upon these facilities.   | Installing water removing pumps would prevent flooding on the Causeway | Prevent flooding of wetlands and  |
| <b>Potential Funding Sources</b>   | Village Budgets, County, State, and Federal funds   | Village Budgets, Outside funding / In-Kind Match   | HMA Grants   | Unknown   |



## Mitigation Action Worksheets

The following pages contain mitigation action worksheets that provide additional detail some of the jurisdiction's proposed mitigation actions.

## Nassau County Multi-Jurisdictional Hazard Mitigation Plan

**Name of Jurisdiction:** Inc. Village of Mill Neck

| NYS DHSES Action Worksheet   |  |   |  |
|--|--|---|--|
| Project Name:  | Power Generator for sustainment to Village Garage/Town Hall  |   |  |
| Project Number:  | VMN_2  |   |  |
| Risk / Vulnerability   |  |   |  |
| Hazard of Concern:   | Microburst; Hurricane; High Winds; Any Hazards Causing Power Outages   |   |  |
| Description of the Problem:  | Village Garage and Town Hall are closely located and could use a single power generator backup for both facilities. These facilities support a wide variety of community resources and staff serving critical purposes, road preservation (tree removal; snow removal; salting). The post office and other government offices are located in the Town Hall. Loss of power/electricity to the main Village Hall and Garage where mitigation staff has equipment. Town Hall does have a basement that could potentially be used as an emergency sheltering facility. |   |  |
| Action or Project Intended for Implementation  |  |   |  |
| Description of the Solution:   | Provide free-standing backup power via a generator to buildings.   |   |  |
| Is this project related to a Critical Facility?  |  | Yes   | X  |
|  |  | No  |  |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.) |  |   |  |
| Level of Protection:   | This would protect against multiple different types of events causing power outages.   | Estimated Benefits (losses avoided):                            | This would prevent closures of these two facilities, allowing many Village staff to continue doing their day-to-day jobs and supporting effective response to downed trees, snow-removal needs, and other functions dependent upon these facilities. |
| Useful Life:   | 20-30 years  |   |  |
| Estimated Cost:  | \$50,000-\$100,000   |   |  |
| Plan for Implementation  |  |   |  |
| Prioritization:  | High   | Desired Timeframe for Implementation:                           | ASAP - Within 2 years.   |
| Estimated Time Required for Project Implementation:  | 3-6 months   | Potential Funding Sources:                                      | Village Budgets; outside funding / in-kind match   |
| Responsible Organization:  | Village Hall and the Department of Public Works  | Local Planning Mechanisms to be Used in Implementation, if any: |  |
| Three Alternatives Considered (including No Action)  |  |   |  |
| Alternatives:  | <i>Action</i>  | <i>Estimated Cost</i>   | <i>Evaluation</i>  |
|  | No Action  | \$0   |  |
|  | Rely solely on existing portable generator solution  | nominal fuel (\$100/yr)<br>maintenance(\$100/yr)                | poor, non-permanent solution which creates vulnerability by only supporting one area at a time; when all areas need to be powered  |
|  | Move to another location that has better support; and sustainment capabilities   | Millions of dollars   | logistically impossible to achieve in the village because of the small size  |
| Progress Report (for plan maintenance)   |  |   |  |
| Date of Status Report:   |  |   |  |
| Report of Progress:  |  |   |  |
| Update Evaluation of the Problem and/or Solution:  |  |   |  |

## Instructions

(Name of Jurisdiction)

| NYS DHSES Action Worksheet   |  |   |   |
|--|--|---|---|
| Project Name:  | Each action must have a unique project number referenced here and in the Action Tables.  |   |   |
| Project Number:  | Each action must have a unique project name referenced here and in the Action Tables.  |   |   |
| Risk / Vulnerability   |  |   |   |
| Hazard of Concern:   | Identify the hazard being addressed with this action.  |   |   |
| Description of the Problem:  | Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.  |   |   |
| Action or Project Intended for Implementation  |  |   |   |
| Description of the Solution:   | Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies). |   |   |
| Is this project related to a Critical Facility?  |  | Yes <input type="checkbox"/>                                    | No <input type="checkbox"/>   |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.) |  |   |   |
| Level of Protection:   | Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.   | Estimated Benefits (losses avoided):                            | Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided. |
| Useful Life:   | Identify the number of years the project will provide protection against the hazard.   |   |   |
| Estimated Cost:  | Identify all estimated costs associated with implementation.   |   |   |
| Plan for Implementation  |  |   |   |
| Prioritization:  | Identify the priority based on the prioritization method agreed upon.  | Desired Timeframe for Implementation:                           | Identify the desired start time for this project. Ex. Within 6 months.  |
| Estimated Time Required for Project Implementation:  | Provide the estimated time required to complete the project from start to end.   | Potential Funding Sources:                                      | Multiple sources of potential funding should be listed when appropriate.  |
| Responsible Organization:  | Identify the name of a department or agency responsible for implementation, not the jurisdiction.  | Local Planning Mechanisms to be Used in Implementation, if any: | Consider the use of local planning mechanisms that will be used to implement this project.  |
| Three Alternatives Considered (including No Action)  |  |   |   |
| Alternatives:  | <i>Action</i>  | <i>Estimated Cost</i>   | <i>Evaluation</i>   |
|  | No Action _  | \$0   |   |
|  | Alternative 1_Brief Description  |   | Include a description of pros/cons of Alternative 1.  |
|  | Alternative 2 Brief Description  |   | Include a description of pros/cons of Alternative 2.  |
| Progress Report (for plan maintenance)   |  |   |   |
| Date of Status Report:   | This section should be completed during plan maintenance/evaluation.   |   |   |
| Report of Progress:  | Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.   |   |   |
| Update Evaluation of the Problem and/or Solution:  | Provide an updated description of the problem and solution, and what has happened since initial consideration/development.   |   |   |

## Nassau County Multi-Jurisdictional Hazard Mitigation Plan

**Name of Jurisdiction:** Inc. Village of Mill Neck

| NYS DHSES Action Worksheet   |   |   |  |
|--|---|---|--|
| Project Name:  | Cleft Road Electrical Utility Underground   |   |  |
| Project Number:  | VMN_2   |   |  |
| Risk / Vulnerability   |   |   |  |
| Hazard of Concern:   | Loss of Power infrastructure due to storm/tree damage to low overhead wires   |   |  |
| Description of the Problem:  | Along Cleft Road there are many low hanging damage-prone electrical and other infrastructure wires. Often power is lost when one is damaged due to wind or nearby tree damage. This creates a high risk for both personal and property damage as well as road closures. (This is a main thoroughfare and evacuation route). |   |  |
| Action or Project Intended for Implementation  |   |   |  |
| Description of the Solution:   | To place wires in an underground conduit throughout the length of Cleft Road. This was accomplished during the underground on West Shore post-Superstorm with excellent results.  |   |  |
| Is this project related to a Critical Facility?  |   | Yes   | No <input checked="" type="checkbox"/>   |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.) |   |   |  |
| Level of Protection:   | This would protect against the type of high-wind and storm events that occur multiple times per year, as well as non-natural hazard events (e.g. dying trees).  | Estimated Benefits (losses avoided):                            | Preventing or minimizing the loss of personal, property, and needed infrastructure; in addition to avoidance of repeated emergency response. |
| Useful Life:   | 100-years   |   |  |
| Estimated Cost:  | ~\$30-\$50 per linear foot; very large project for the Village  |   |  |
| Plan for Implementation  |   |   |  |
| Prioritization:  | High  | Desired Timeframe for Implementation:                           | 12 months to 18 months start   |
| Estimated Time Required for Project Implementation:  | 1-3 years   | Potential Funding Sources:                                      | Village Budgets, County, State, and Federal funds  |
| Responsible Organization:  | Trustee for Roads and/or Building Inspector   | Local Planning Mechanisms to be Used in Implementation, if any: |  |
| Three Alternatives Considered (including No Action)  |   |   |  |
| Alternatives:  | <i>Action</i>   | <i>Estimated Cost</i>   | <i>Evaluation</i>  |
|  | No Action   | \$0   |  |
|  | Partial underground to targeted areas along Cleft.  | \$30,000 - \$250,000  | partial mitigation to hedge loss will eventually be overcome with power loss to vuln. areas  |
|  | Change power dependence to a different source away from current PSEG grid   | Tens of Millions  | unlikely to see innovative change to novel technology  |
| Progress Report (for plan maintenance)   |   |   |  |
| Date of Status Report:   |   |   |  |
| Report of Progress:  |   |   |  |
| Update Evaluation of the Problem and/or Solution:  |   |   |  |

## Instructions

(Name of Jurisdiction) \_\_\_\_\_

| NYS DHSES Action Worksheet   |  |   |   |
|--|--|---|---|
| Project Name:  | Each action must have a unique project number referenced here and in the Action Tables.  |   |   |
| Project Number:  | Each action must have a unique project name referenced here and in the Action Tables.  |   |   |
| Risk / Vulnerability   |  |   |   |
| Hazard of Concern:   | Identify the hazard being addressed with this action.  |   |   |
| Description of the Problem:  | Provide a detailed narrative of the problem. Describe the natural hazard you wish to mitigate, its impacts to the jurisdiction, past damages and loss of service, etc. Include the street address of the property/project location (if applicable), adjacent streets, and easily identified landmarks such as water bodies and well-known structures, and end with a brief description of existing conditions (topography, terrain, hydrology) of the site.  |   |   |
| Action or Project Intended for Implementation  |  |   |   |
| Description of the Solution:   | Provide a detailed narrative of the solution. Describe the physical area (project limits) to be affected, both by direct work and by the project's effects; how the action would address the existing conditions previously identified; proposed construction methods, including any excavation and earth-moving activities; where you are in the development process (e.g., are studies and/or drawings complete), etc., the extent of any analyses or studies performed (attach any reports or studies). |   |   |
| Is this project related to a Critical Facility?  |  | Yes <input type="checkbox"/>                                    | No <input type="checkbox"/>   |
| (If yes, this project must intend to protect to the 500-year flood event or the actual worst damage scenario, whichever is greater.) |  |   |   |
| Level of Protection:   | Identify the level of protection the proposed project will provide. Ex. 100-year (1%) flood.   | Estimated Benefits (losses avoided):                            | Identify the benefits that implementation of this project will provide. If dollar amounts are known, include them. If dollar amounts are unknown or are unquantifiable, describe the losses that will be avoided. |
| Useful Life:   | Identify the number of years the project will provide protection against the hazard.   |   |   |
| Estimated Cost:  | Identify all estimated costs associated with implementation.   |   |   |
| Plan for Implementation  |  |   |   |
| Prioritization:  | Identify the priority based on the prioritization method agreed upon.  | Desired Timeframe for Implementation:                           | Identify the desired start time for this project. Ex. Within 6 months.  |
| Estimated Time Required for Project Implementation:  | Provided the estimated time required to complete the project from start to end.  | Potential Funding Sources:                                      | Multiple sources of potential funding should be listed when appropriate.  |
| Responsible Organization:  | Identify the name of a department or agency responsible for implementation, not the jurisdiction.  | Local Planning Mechanisms to be Used in Implementation, if any: | Consider the use of local planning mechanisms that will be used to implement this project.  |
| Three Alternatives Considered (including No Action)  |  |   |   |
| Alternatives:  | <i>Action</i>  | <i>Estimated Cost</i>   | <i>Evaluation</i>   |
|  | No Action _  | \$0   |   |
|  | Alternative 1_Brief Description  |   | Include a description of pros/cons of Alternative 1.  |
|  | Alternative 2 Brief Description  |   | Include a description of pros/cons of Alternative 2.  |
| Progress Report (for plan maintenance)   |  |   |   |
| Date of Status Report:   | This section should be completed during plan maintenance/evaluation.   |   |   |
| Report of Progress:  | Describe what progress, if any, has been made on this project. If it has been determined the jurisdiction no longer wishes to pursue implementation, state that here and indicate why.   |   |   |
| Update Evaluation of the Problem and/or Solution:  | Provide an updated description of the problem and solution, and what has happened since initial consideration/development.   |   |   |