



9.1 SUSSEX COUNTY

This section presents the jurisdictional annex for the Sussex County. The annex includes a general overview of the Sussex County; an assessment of the Sussex County’s risk, vulnerability, and mitigation capabilities; and a prioritized action plan to implement prior to a disaster to reduce future losses and achieve greater resilience to natural hazards.

9.1.1 Hazard Mitigation Planning Team

Sussex County followed the planning process described in Section 2 (Planning Process). This annex was developed over the course of several months with input from many jurisdiction representatives. All departments were asked to contribute to the annex development through reviewing and contributing to the capability assessment, reporting on the status of previously identified actions, and participating in action identification and prioritization. The coronavirus pandemic resulted in a strain on local resources that limited some participation, but every effort was made to connect with staff and stakeholders and gain diverse input. Due to safety precautions, all meetings were held virtually. The following table summarizes who participated and in what capacity. Additional documentation on the municipality’s planning process through Planning Partnership meetings is included in Section 2 (Planning Process) and Appendix C (Meeting Documentation).

Table 9.1-1. Hazard Mitigation Planning Team

| Primary Point of Contact | | Alternate Point of Contact |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name / Title: Bob Haffner, Director/Division of Emergency Management Address: 135 Morris Turnpike, Newton, New Jersey 07860 Phone Number: (973) 579-0380 x2208 Email: rhaffner@sussexcountysheriff.com | | Name / Title: Jennifer Van Der Wende, Corporal/Division of Emergency Management Address: 135 Morris Turnpike, Newton, New Jersey 07860 Phone Number: (973) 579-0380 x2366 Email: jenvanderwende@sussexcountysheriff.com |
| Name | Title | Method of Participation |
| Bob Haffner | Division of Emergency Management | Primary point of contact, provided information and data, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |
| Jennifer Van Der Wende, Division of Emergency Management | Division of Emergency Management | Alternate point of contact, provided information and data, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |
| Scott House | County DPW | Provided data and information, contributed to mitigation strategy |
| Autumn Sylvester | Sussex County Division of Planning and Economic Development | Provided data and information, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |
| William J. Koppenaar | Sussex County Engineering Department | Provided data and information, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |
| Tom Drabic | Sussex County Division of Planning | Provided data and information, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |
| Keith Nelson | Sussex County Facilities | Provided data and information, contributed to mitigation strategy, attended Steering Committee and Planning Partnership meetings |



9.1.2 Jurisdiction Profile

Please refer to Section 4, Volume I of this HMP for details on Sussex County’s population, location, climate, history, growth and development.

9.1.3 Growth/Development Trends

Understanding how past, current, and projected development patterns have or are likely to increase or decrease risk in hazard areas is a key component to understanding a jurisdiction’s overall risk to its hazards of concern. Table 9.1-2 summarizes recent and expected future development trends, including major residential/commercial development and major infrastructure development.

Table 9.1-2. Recent and Expected Future Development

| Type of Development | 2015 | 2016 | 2017 | 2018 | 2019 |
|---------------------------------------------------------------------------------------------|-------------------------|-------------------------|-----------------------------------------|-----------------------|--------------------------------------------------------|
| Number of Building Permits for New Construction Issued Since the Previous HMP | | | | | |
| Building permits are addressed at the local municipal level. | | | | | |
| Property or Development Name | Type of Development | # of Units / Structures | Location (address and/or block and lot) | Known Hazard Zone(s)* | Description / Status of Development |
| Recent Major Development and Infrastructure from 2015 to Present | | | | | |
| None identified | | | | | |
| Known or Anticipated Major Development and Infrastructure in the Next Five (5) Years | | | | | |
| Dennis Library | Renovation and addition | 1 | 101 Main St, Newton, NJ 07860 | None identified | Planned. Renovation and addition of existing structure |

* Only location-specific hazard zones or vulnerabilities identified.
SFHA = Special Flood Hazard Area

9.1.4 Capability Assessment

Section 5 (Capability Assessment) describes the components included in the capability assessment and their significance for hazard mitigation planning. The Sussex County performed an inventory and analysis of existing capabilities, plans, programs, and policies that enhance its ability to implement mitigation strategies. This section summarizes the following findings of the assessment for this jurisdiction:

- An assessment of legal and regulatory capabilities
- Development and permitting capabilities
- An assessment of fiscal capabilities
- An assessment of education and outreach capabilities
- Information on NFIP compliance
- Classification under various community mitigation programs
- The community’s adaptive capacity for the impacts of climate change

For a community to succeed in reducing long-term risk, hazard mitigation must be integrated into the day-to-day local government operations. As part of this planning effort, planning/policy documents were reviewed, and each jurisdiction was surveyed to obtain a better understanding of their progress in plan integration. Areas with current mitigation integration are summarized below. The Sussex County identified specific integration



activities that will be incorporated into municipal procedures; these actions are included in the updated mitigation strategy.

PLANNING, LEGAL AND REGULATORY CAPABILITY

The table below summarizes the legal and regulatory tools that are available to the Sussex County and where hazard mitigation has been integrated.

Table 9.1-3. Planning, Legal and Regulatory Capability

| | Do you have this? (Yes/No) | Authority that enforces (Federal, State, Regional, County, Local) | Is this State Mandated? | Have aspects of the HMP been integrated into your codes/ordinances/plans? | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|
| | | | | If yes- how? Describe in comments. | If no - add Mitigation Action #, if applicable. |
| Codes, Ordinances, & Requirements | | | | | |
| Building Code | Yes | State & Local | Yes | Yes | - |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> State mandated on local level under NJAC 5:23-3.14. International Building Code – New Jersey Edition, 2018, NJAC 5:24-3.14 Adopted 9/3/2019 Addressed at the local level. | | | | | |
| Zoning Code | Yes | State & Local | Yes – if municipality has a Planning Board | Yes | - |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> State permissive on local level. Per State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976, 40-55D-62: 49. Power to zone, requires all jurisdictions to have current zoning and other land development ordinances after the planning board has adopted the land use element and master plan. Addressed at the local level. | | | | | |
| Subdivisions | Yes | County & Local | Yes – if municipality has a Planning Board | Yes | 2021-Sussex County-009 |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> P.L. 1975, c.291 (C.40:55D-47): 40:55D-37. Grant of power; referral of proposed ordinance; county planning board approval a. The governing body may by ordinance require approval of subdivision plats by resolution of the planning board as a condition for the filing of such plats with the county recording officer and approval of site plans by resolution of the planning board as a condition for the issuance of a permit for any development, except that subdivision or individual lot applications for detached one or two dwelling-unit buildings shall be exempt from such site plan review and approval; provided that the resolution of the board of adjustment shall substitute for that of the planning board whenever the board of adjustment has jurisdiction over a subdivision or site plan pursuant to subsection 63b. of this act . Dictated by the Municipal Land Use Law. NJ Statute 40:27-6.2 - the board of commissioners of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section. Land Development Standards, 2008. Administered by the Planning Board. The Land Development Standards are anticipated to be updated. The update could include information on green technologies and BMPs for addressing stormwater. | | | | | |
| Stormwater Management | Yes | State & Local | Yes | Yes | 2021-Sussex County-009 |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> See Title 7 of the NJ Administrative Code, N.J.A.C. 7:8 Land Development Standards, 2008. Administered by the Planning Board. The Land Development Standards are anticipated to be updated. The update could include information on green technologies and BMPs for addressing stormwater. | | | | | |
| Post-Disaster Recovery | No | - | No | - | - |
| <i>Comment:</i> | | | | | |



| | Do you have this? (Yes/No) | Authority that enforces (Federal, State, Regional, County, Local) | Is this State Mandated? | Have aspects of the HMP been integrated into your codes/ordinances/plans? | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------|
| | | | | If yes- how? Describe in comments. | If no - add Mitigation Action #, if applicable. |
| Real Estate Disclosure | Yes | State, Division of Consumer Affairs | Yes | Yes | - |
| Comment: <ul style="list-style-type: none"> N.J.A.C. 13:45A-29.1 - Before signing a contract of sale, all purchasers must receive a New Jersey Public Offering Statement (POS) approved by the New Jersey Real Estate Commission. The POS provides information such as estimated completion dates for improvements, fees for services and amenities, the type of title and ownership interest being offered, its proximity to hospitals, schools, fire and police, as well as any hazards, risks or nuisances in or around the subdivision. | | | | | |
| Growth Management | Yes | Local | Yes – if municipality has a Planning Board | No | - |
| Comment: <ul style="list-style-type: none"> State Mandated on a municipal level. See Zoning Ordinance; Also - Plan Endorsement Process via the State Development & Redevelopment Plan provides for the delineation of Growth Areas and Environs; Use of the endorsed plans in the implementation of state environmental regulations makes the Plan Endorsement process a growth management strategy. | | | | | |
| Site Plan Review | Yes | County & Local | Yes – if municipality has a Planning Board | Yes | - |
| Comment: <ul style="list-style-type: none"> Dictated by the Municipal Land Use Law which sets forth minimum requirements for plans, etc., timeframes for development review. NJ Statute 40:27-6.2: The board of commissioners of any county having a county planning board shall provide for the review of all subdivisions of land within the county by said county planning board and for the approval of those subdivisions affecting county road or drainage facilities as set forth and limited hereinafter in this section. 40:27-6.10 In order that county planning boards shall have a complete file of the planning and zoning ordinances of all municipalities in the county, each municipal clerk shall file with the county planning board a copy of the planning and zoning ordinances of the municipality in effect on the effective date of this act and shall notify the county planning board of the introduction of any revision or amendment of such an ordinance which affects lands adjoining county roads or other county lands, or lands lying within 200 feet of a municipal boundary, or proposed facilities or public lands shown on the county master plan or official county map. Such notice shall be given to the county planning board at least 10 days prior to the public hearing thereon by personal delivery or by certified mail of a copy of the official notice of the public hearing together with a copy of the proposed ordinance. Site Plan Review is the responsibility of the Division of Planning & Municipal ordinances | | | | | |
| Environmental Protection | No | - | No | - | - |
| Comment: | | | | | |
| Flood Damage Prevention | Yes | State & Local | Yes | Yes | - |
| Comment: <ul style="list-style-type: none"> The NJ State Law Flood Area Control Act (N.J.S.A. 58:16A-52) and the National Flood Control Act of 1968 (NFIP) are state and federal acts to support minimization of flood losses. They do not require local adoption but as enforced by the NJDEP, the floodplain ordinances of each municipality must be reviewed for compliance with these regulations. In addition, participation in the NFIP requires a floodplain ordinance. Regulations for the Flood Control Hazards Act were adopted in 2007 and amended effective June 20, 2016. Adopted at the local level | | | | | |
| Wellhead Protection | No | - | No | - | - |
| Comment: | | | | | |
| Emergency Management | No | - | No | - | - |
| Comment: | | | | | |
| Climate Change | No | - | No | - | - |
| Comment: | | | | | |
| Disaster Recovery Ordinance | No | - | No | - | - |
| Comment: | | | | | |
| Disaster Reconstruction Ordinance | No | - | No | - | - |



| | Do you have this? (Yes/No) | Authority that enforces (Federal, State, Regional, County, Local) | Is this State Mandated? | Have aspects of the HMP been integrated into your codes/ordinances/plans? | |
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| | | | | If yes- how? Describe in comments. | If no - add Mitigation Action #, if applicable. |
| Comment: | | | | | |
| Other | No | - | No | - | - |
| Comment: | | | | | |
| Planning Documents | | | | | |
| Comprehensive / Master Plan | Yes | State, County, & Local | Yes | Yes | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> 2018 Revised NJ Statute 40:27-2; the county planning board shall make and adopt a master plan for the physical development of the county. The master plan of a county, with the accompanying maps, plats, charts, and descriptive and explanatory matter, shall show the county planning board's recommendations for the development of the territory covered by the plan, and may include, among other things, the general location, character, and extent of streets or roads, viaducts, bridges, waterway and waterfront developments, parkways, playgrounds, forests, reservations, parks, airports, and other public ways, grounds, places and spaces; the general location and extent of forests, agricultural areas, and open-development areas for purposes of conservation, food and water supply, sanitary and drainage facilities, or the protection of urban development, and such other features as may be important to the development of the county. The county planning board shall encourage the co-operation of the local municipalities within the county in any matters whatsoever which may concern the integrity of the county master plan and to advise the board of chosen commissioners with respect to the formulation of development programs and budgets for capital expenditures. Per State of NJ Municipal Land Use Law (MLUL) L. 1975, s. 2, eff Aug 1, 1976 40:55D-28 provides the required components of a municipal Master Plan and requires that each municipality prepare a master plan and update it every 6 years. Further, all zoning ordinances must be consistent with the Master Plan or will not be benefitted from a presumption of validity. Master Plan Study Report, 2005 Strategic Growth Plan, updated in draft form 2014 (but not adopted). The Plan is the responsibility of the Division of Planning. 2016 Open Space Plan. The Plan is the responsibility of the Division of Planning – Open Space Committee. The 2016 update to the Sussex County Open Space Plan acknowledges that the long-term sustainability of the County's groundwater supply depends on safeguarding water quality and quantity. The Plan gives the County the ability to analyze priority lands for preservation and stewardship with a primary focus on properties that support the water resources integral to the county. | | | | | |
| Capital Improvement Plan | Yes | County | No | Yes | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> Annual Capital Project Requests (Both in Summary and Detailed Forms) | | | | | |
| Disaster Debris Management Plan | Yes | County | No | Yes | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> The Plan identifies two county locations for debris collection. | | | | | |
| Floodplain or Watershed Plan | Yes | County | No | Yes | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> Groundwater Manual. The Manual is the responsibility of the Division of Planning. | | | | | |
| Stormwater Management Plan | No | State & Local | Yes | - | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> The Stormwater Management rules (N.J.A.C. 7:8) rules were published in the February 2, 2004 NJ Register. These rules set forth the required components of regional and municipal stormwater management plans and establish the stormwater management design and performance standards for new (proposed) development. The design and performance standards for new development include groundwater recharge, runoff quantity controls, and runoff quality controls. The rules emphasize, as a primary consideration, the use of nonstructural stormwater management techniques including minimizing disturbance, minimizing impervious surfaces, minimizing the use of stormwater pipes, preserving natural drainage features, etc. The rules also set forth requirements for groundwater recharge, stormwater runoff quantity control, stormwater runoff quality control, and the prohibition of major development to be located within or to discharge runoff from the major development into a 300-foot riparian zone without prior authorization from the Department under the Flood Hazard Area Control Act Rules, N.J.A.C. 7:13. | | | | | |
| Stormwater Pollution Prevention Plan | Yes | County, Local | Yes | Yes | - |
| Comment: | | | | | |
| <ul style="list-style-type: none"> The Phase II New Jersey Pollutant Discharge Elimination System Stormwater Regulation Program (NJPDES) rules (N.J.A.C. 7:14A) were published in the February 2, 2004, NJ Register. These NJPDES rules are intended to address and reduce pollutants associated with existing stormwater runoff. The NJPDES rules establish a regulatory program for existing stormwater discharges as required under the Federal Clean Water Act. These NJPDES rules govern the issuance of permits to entities that own or operate small municipal separate storm sewer systems, known as MS4s. Under this program, permits must be secured by municipalities, certain public complexes such as universities and hospitals, and State, interstate and federal agencies that operate | | | | | |





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| | | | | If yes- how? Describe in comments. | If no - add Mitigation Action #, if applicable. |
| <p><i>or maintain highways. The permit program establishes the Statewide Basic Requirements that must be implemented to reduce nonpoint source pollutant loads from these sources. The Statewide Basic Requirements include measures such as: the adoption of ordinances (litter control, pet waste, wildlife feeding, proper waste disposal, etc.); the development of a municipal stormwater management plan and implementing ordinance(s); requiring certain maintenance activities (such as street sweeping and catch basin cleaning); implementing solids and floatable control; locating discharge points and stenciling catch basins; and a public education component.</i></p> <ul style="list-style-type: none"> <i>The County Stormwater Pollution Prevention Plan</i> | | | | | |
| Urban Water Management Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Habitat Conservation Plan | Yes | County | No | Yes | - |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> <i>Covered under Open Space Plan</i> | | | | | |
| Economic Development Plan | Yes | County | No | No | - |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> Target Business and Industry Analysis (2009) is the responsibility of the Division of Planning, Vision 2020 Economic Strategy Committee. Sussex County Economic Base Assessment and Strategic Growth Plan Update (2014) is the responsibility of the Division of Planning, Vision 2020 Economic Strategy Committee. | | | | | |
| Shoreline Management Plan | No | - | Yes – if located in a coastal zone | - | - |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> <i>NJ Coastal Area Facility Review Act (N.J.S.A. 13:19) or CAFRA regulates almost all development along the coast for activities including construction, relocation, and enlargement of buildings or structures, and excavation, grading, shore protection structures, and site preparation. This law is implemented through NJ's Coastal Zone management Rules N.J.A.C. 7:7E-1 et seq.</i> | | | | | |
| Community Wildfire Protection Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Community Forest Management Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Transportation Plan | Yes | County, Local | No | Yes | 2021-Sussex County-010 |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> Ten-Year Mobility Study (2005), Division of Planning Master Circulation Plan for Transportation (draft, 2016), Division of Planning. The Master Circulation Plan for Transportation is due for an update in the next several years. | | | | | |
| Agriculture Plan | Yes | Local | No | Yes | 2021-Sussex County-008 |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> <i>Sussex County Farmland Preservation Plan, last updated in 2008. Update currently underway. Division of Planning – Sussex County Agriculture Development Board</i> <i>The plan is in need of update.</i> | | | | | |
| Climate Action Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Tourism Plan | Yes | County | No | Yes | 2021-Sussex County-008 |
| <i>Comment:</i> | | | | | |
| <ul style="list-style-type: none"> Sussex County Farmland Preservation Plan includes section on agritourism. Open Space Plan includes trails section. | | | | | |
| Business Development Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Other | Yes | County | No | Yes | - |
| <i>Comment:</i> | | | | | |



| | Do you have this? (Yes/No) | Authority that enforces (Federal, State, Regional, County, Local) | Is this State Mandated? | Have aspects of the HMP been integrated into your codes/ordinances/plans? | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------|-------------------------------------------------|
| | | | | If yes- how? Describe in comments. | If no - add Mitigation Action #, if applicable. |
| <ul style="list-style-type: none"> Open Space and Recreation Plan, 2003. The Plan is the responsibility of the Division of Planning – Open Space Committee. Natural Resources Inventory, n.d., Division of Planning Solid Waste Management Plan, 2013, Division of Planning | | | | | |
| Response/Recovery Planning | | | | | |
| Comprehensive Emergency Management Plan (CEMP) / Emergency Operations Plan (EOP) | Yes | County | Yes | Yes | - |
| <i>Comment:</i> <ul style="list-style-type: none"> Each county and municipality in the State shall prepare a written Emergency Operations Plan with all appropriate annexes necessary to implement the plan. Each Emergency Operations Plan shall be adopted no later than one year after the State Emergency Planning Guidelines have been adopted by the State Office of Emergency Management and shall be evaluated at such subsequent scheduled review of the State Emergency Operations Plan. L.1989, c.222, s.19. Emergency Operations Plan responsibility of the Office of Emergency Management. Last updated 12/11/2019. Expires 12/11/2023 | | | | | |
| Threat & Hazard Identification & Risk Assessment (THIRA) | Yes | County | No | Yes | - |
| <i>Comment: Plan in place through OHS&P</i> | | | | | |
| Post-Disaster Recovery Plan | No | - | No | - | - |
| <i>Comment:</i> | | | | | |
| Continuity of Operations Plan | Yes | County | No | Yes | - |
| <i>Comment:</i> | | | | | |
| Public Health Plan | Yes | County | No | Yes | - |
| <i>Comment:</i> | | | | | |
| Other | Yes | County | No | Yes | - |
| <i>Comment:</i> <ul style="list-style-type: none"> County works with local municipalities and provide input on local dam plans Traffic Diversion Plans Communication Plan identifies how communication should flow throughout an incident, who is involved, etc. | | | | | |

Table 9.1-4. Development and Permitting Capability

| Criterion | Response |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Does your jurisdiction issue development permits? - If no, who does? If yes, which department? | Development permits are issued at the local municipal level. |
| Does your jurisdiction have the ability to track permits by hazard area? | Development permits are issued at the local municipal level. |
| Does your jurisdiction have a buildable lands inventory? -If yes, please describe briefly. -If no, please quantitatively describe the level of buildout in the jurisdiction. | Yes, but in need of update. Was last updated 10 years ago. |

ADMINISTRATIVE AND TECHNICAL CAPABILITY

The table below summarizes potential staff and personnel resources available to the Sussex County.

Table 9.1-5. Administrative and Technical Capabilities

| Staff/Personnel Resource | Available? | Department/Agency/Position |
|----------------------------------|------------|---------------------------------------------------------------------------------------|
| Administrative Capability | | |
| Planning Board | Yes | Planning Board, Board of Commissioners |
| Mitigation Planning Committee | Yes | Sussex County Pre-Disaster Mitigation Steering Committee (alternately, Working Group) |





| Staff/Personnel Resource | Available? | Department/Agency/Position |
|-----------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Board / Commission | Yes | Water Quality Policy Advisory Committee, Solid Waste Advisory Committee, Department of Environmental and Health Services |
| Open Space Board / Committee | Yes | Open Space Committee |
| Economic Development Commission / Committee | No | Sussex County Economic Development Partnership (SCEDP) |
| Warning Systems / Services (reverse 911, outdoor warning signals) | Yes | SwiftReach 911 |
| Maintenance program to reduce risk | Yes | Sussex County DPW installs snow fencing; annually cleans storm drains and inspects storm drains pre- and post-storm events |
| Mutual aid agreements | Yes | Intra-County Agreements County Fire Box Alarms Norwest Region (Hunterdon, Somerset, Sussex, Warren) Statewide HazMat County to municipality agreements (MOUs) |
| Technical/Staffing Capability | | |
| Planners or engineers with knowledge of land development and land management practices | Yes | Planning Division, Engineering |
| Engineers or professionals trained in building or infrastructure construction practices | Yes | Division of Public Works—Office of Roads, Engineering |
| Planners or engineers with an understanding of natural hazards | Yes | Department of Engineering and Planning |
| Staff with training in benefit/cost analysis | Yes | Sussex County Department of Finance |
| Staff with training in green infrastructure | No | - |
| Staff with education/knowledge/training in low impact development | Yes | Department of Engineering and Planning – Division of Engineering |
| Surveyor | Yes | Department of Engineering and Planning – Division of Engineering |
| Stormwater engineer | Yes | Planning and Engineering |
| Personnel skilled or trained in GIS applications | Yes | Office of GIS Management |
| Local or state water quality professional | Yes | Director of Division Planning and Economic Development |
| Scientist familiar with natural hazards in local area | No | - |
| Emergency manager | Yes | Sherriff's Office—Office of Emergency Management |
| Watershed planner | No | - |
| Environmental specialist | No | Use outside consultant where necessary |
| Grant writers | Yes | Planning Division |
| Resilience Officer | No | - |
| Other | No | - |

FISCAL CAPABILITY

The table below summarizes financial resources available to the Sussex County.

Table 9.1-6. Fiscal Capabilities

| Financial Resource | Accessible or Eligible to Use? |
|----------------------------------------------------|--------------------------------|
| Community Development Block Grants (CDBG, CDBG-DR) | Yes |
| Capital Improvements Project Funding | Yes |
| Authority to Levy Taxes for Specific Purposes | Yes |





| Financial Resource | Accessible or Eligible to Use? |
|--------------------------------------------------------|--------------------------------|
| User Fees for Water, Sewer, Gas or Electric Service | No |
| Incur Debt through General Obligation Bonds | Yes |
| Incur Debt through Special Tax Bonds | No |
| Incur Debt through Private Activity Bonds | No |
| Withhold Public Expenditures in Hazard-Prone Areas | No |
| State-Sponsored Grant Programs | Yes |
| Development Impact Fees for Homebuyers or Developers | No |
| Clean Water Act 319 Grants (Nonpoint Source Pollution) | Yes |
| Other | No |

EDUCATION AND OUTREACH CAPABILITY

The table below summarizes the education and outreach resources available to the Sussex County.

Table 9.1-7. Education and Outreach Capabilities

| Criterion | Response |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Do you have a public information officer or communications office? | County Administrator is PIO. OEM has an incident management team and there is a PIO for the Sheriff’s Office |
| Do you have personnel skilled or trained in website development? | Yes, and outside web master can be utilized for major changes as well. |
| Do you have hazard mitigation information available on your website? -If yes, briefly describe. | Yes, the County of Sussex webpage posts Pre-Disaster Mitigation Information as well as the current and prior HMP and contact information |
| Do you use social media for hazard mitigation education and outreach? -If yes, briefly describe. | Yes, Facebook |
| Do you have any citizen boards or commissions that address issues related to hazard mitigation? -If yes, briefly describe. | No |
| Do you have any other programs already in place that could be used to communicate hazard-related information? If yes, briefly describe. | CERT teams discuss preparedness |

COMMUNITY CLASSIFICATIONS

The table below summarizes the classifications for community programs available to the Sussex County.

Table 9.1-8. Community Classifications

| Program | Participating? | Classification | Date Classified |
|------------------------------------------------------|----------------|----------------|-----------------|
| Community Rating System | No | - | - |
| Building Code Effectiveness Grading Schedule (BCEGS) | N/A | - | - |
| Public Protection (Fire ISO Protection Class) | N/A | - | - |
| Storm Ready Certification | No | - | - |
| Firewise Community Classification | No | - | - |
| Sustainable Jersey | No | - | - |

ADAPTIVE CAPACITY

Adaptive capacity is defined as “the ability of systems, institutions, humans and other organisms to adjust to potential damage, to take advantage of opportunities, or respond to consequences” (IPCC 2014). In other words,





it describes a jurisdiction’s current ability to adjust to, protect from, or withstand a hazard event. This term is often discussed in reference to climate change; however, adaptive capacity also includes an understanding of local capacity for adapting to current and future risks and changing conditions. The table below summarizes the adaptive capacity for each hazard and the jurisdiction’s rating.

Table 9.1-9. Adaptive Capacity

| Hazard | Adaptive Capacity (Capabilities) - Strong/Moderate/Weak |
|------------------------------|---------------------------------------------------------|
| Dam Failure | Moderate |
| Disease Outbreak | Moderate |
| Drought | Moderate |
| Earthquake | Moderate |
| Flood | Moderate |
| Geologic | Moderate |
| Hazardous Materials | Moderate |
| Hurricane and Tropical Storm | Moderate |
| Invasive Species | Moderate |
| Nor’Easter | Moderate |
| Severe Weather | Moderate |
| Severe Winter Weather | Strong |
| Wildfire | Moderate |

Notes:

Strong = Capacity exists and is in use; Moderate = Capacity may exist, but is not used or could use some improvement;

Weak = Capacity does not exist or could use substantial improvement; Unsure = Not enough information is known to assign a rating.

The County has access to resources to determine the possible impacts of climate change through NOAA and NJ DEP and staff keep up on academic updates. The 2016 update to the Sussex County Open Space Plan acknowledges that the long-term sustainability of the County’s groundwater supply depends on safeguarding water quality and quantity. The Plan gives the County the ability to analyze priority lands for preservation and stewardship with a primary focus on properties that support the water resources integral to the county.

NATIONAL FLOOD INSURANCE PROGRAM

This section provides specific information on the management and regulation of the regulatory floodplain.

Table 9.1-10. National Flood Insurance Program Compliance

| Criterion | Response |
|---------------------------------------------------------------------------------------|---------------------------|
| Floodplain administration is administered at the local municipal level in the County. | |
| How many flood insurance policies are in force in your jurisdiction?* | 271 policies |
| -What is the insurance in force? | |
| -What is the premium in force? | |
| How many total loss claims have been filed in your jurisdiction?* | 167 claims \$1,729,080 |
| -How many claims are still open or were closed without payment? | |
| -What were the total payments for losses? | |

*According to FEMA statistics as of October 13, 2020

Source: FEMA 2020

ADDITIONAL AREAS OF EXISTING INTEGRATION





- **Board of Chosen Commissioners:** The Board of Chosen Commissioners serves as the top governing body in Sussex County. They approve major initiatives, capital improvement spending, and other high level decisions for the County. Additionally, the Board sets policies for five major departments in the county—Department of Central and Shared Services, Department of Engineering and Planning, Department of Environmental and Public Health Services, Department of Finance and Library Services, and Department of Human Services—as well as the 12 Divisions and other boards, commissions, authorities, and committees in the county. The Commissioners are supported in their duties by the County Administrator. The Board of Chosen Commissioners reviews information from county Engineering, DPW, and Planning Division to determine project priorities and release capital improvement funding. These projects include addressing roads that experience frequent flooding (i.e., roadway design and drainage improvements) or are otherwise vulnerable to disasters and hazards.
- **Radiological Program:** Sussex County participates in New Jersey's Radiological Program, per NJOEM's Radiological Program Guidelines, and shared appropriate informational pamphlets with residents on the Sherriff's Office website. Sussex County OEM is privy to hazardous materials (HazMat) and capabilities for response if needed.
- **Stormwater Clearing:** Per NJDEP requirements, the County DPW cleans catch basins each year and cleans in-let and outlets as needed or requested. If fall rains are forecasted, DPW makes sure the catch basins are clear and open; the county also marks the catch basins in the fall to identify their locations for the winter months. These activities are coordinated between DPW and Engineering on a daily basis, facilitated by both departments having the same administrator.
- **Hazardous Materials:** The County Right to Know Coordinator maintains effective coordination and information sharing related to hazardous material sites with NJOEM and the Right to Know Network. The Sussex County HAZMAT team integrates data about hazardous materials with most current available information about other risk factors, e.g. population, climate, other site-specific characteristics.
- **Outside Partnerships and Stakeholders:** The Department of Engineering and Planning, and other relevant departments maintain relationships with the U.S. Army Corps of Engineers (USACE) and Rutgers University, along with other important regional stakeholders. These relationships help provide the county with technical information and/or assistance in the identification of hazard areas and risk assessments.
- **Floodplain Management:** Sussex County DEM and the Planning Division encourage compliance with floodplain management as it relates to new and existing construction by integrating hazard mitigation practices with zoning, subdivision ordinances, comprehensive planning, and other land use tools at the municipal level.
- **Office of GIS Management:** Sussex County maintains an Office of GIS Management, which provides multiple helpful links to residents, including the map applications for bridge and road closures, government services, and West Nile Virus surveillance. It also has prebuilt maps on property parcels, polling locations, watershed boundary (HUC 11), active storm paths, bedrock geology, wetlands, aerial photography, floodplains, and sewer service areas.
- **Operating Budget:** The County's operating budget contains provisions for necessary capital and infrastructure projects, as well as public safety and mitigation initiatives. In the 2015 budget, Sussex County identified \$315,116 to be allocated to emergency management (about \$8,000 more than was allocated in the 2014 budget). Sussex County also funds other departments involved in mitigation, such as public health, planning, and public works.
- **Outside Funding:** While much of the County's revenue comes from taxes and other fees, part of its revenue is grant-related or received through State Aid. This includes funding from the State Homeland



Security Grant Program, Emergency Management Agency Assistance, funding from the NJ Department of Law and Public Safety for the HMP Update, and other relevant programs. Sussex County also participates in regional or multi-county grant funding opportunities, as needs dictate and opportunities arise.

- **Capital Projects:** The County Capital Budget Request is the vehicle that county departments use to undertake various projects, including mitigation, stormwater management, and drainage enhancements. The 2015 Sussex County budget provides detailed and summary versions of its Capital Budget Request; the detailed version groups projects by relevant departments and categories. Projects of interest include road and bridge enhancements, stormwater improvements, fire security systems upgrades, and security upgrades.
- **Alert Programs:** The Sussex County DEM also oversees two community alert programs—Swift911 and Register Ready. Swift 911 enables the County to provide residents with critical information during hazard events. Residents can select to be notified by phone, e-mail, text message, hearing impaired devices, and more. Register Ready is a statewide program to ensure individuals with disabilities or who may need extra assistance can receive help or advance notification of an impending hazard event.

OPPORTUNITIES FOR FUTURE INTEGRATION

- **FEMA HMA Informational Workshops:** The County will expand offerings and incorporate information on BRIC at an annual workshop related to the FEMA HMA grant programs (HMGP, BRIC, FMA). This may be done at quarterly OEM coordinator meetings and invite other County departments (2021-Sussex County-005).
- **Update Farmland Preservation Plan:** The County will update the Farmland Preservation Plan and include resiliency planning to address long term risk (2021-Sussex County-008).
- **Update Land Development Standards:** The County will update the Land Development Standards. The update will include discussion on green technologies and BMP’s for stormwater (2021-Sussex County-009).
- **Master Circulation Plan for Transportation Update:** The County will update the Master Circulation Plan for Transportation, using information from the Hazard Mitigation Plan to identify and reduce risk to the transportation system and maintain emergency access (2021-Sussex County-010).
- **Adopt the Wastewater Management Plan:** The County’s Wastewater Management Plan is currently in draft form. Prior to adoption, the County will use information from the Hazard Mitigation Plan to make updates to reduce risk to the wastewater management system (2021-Sussex County-011).

9.1.5 Hazard Event History Specific to the Jurisdiction

Sussex County has a history of hazard events, as detailed in Section 4 (Risk Assessment) of this plan. A summary of historical events is provided in each of the hazard profiles in Section 4.3 (Hazards of Concern) and includes a chronology of events that affected Sussex County and its jurisdictions. The Sussex County’s history of federally-declared (as presented by FEMA) and significant hazard events (as presented in NOAA-NCEI) is consistent with that of Sussex County. Table 9.1-11 provides details regarding municipal-specific loss and damages the jurisdiction experienced during hazard events. Information provided in the table below is based on reference material or local sources.



Table 9.1-11. Hazard Event History

| Date(s) of Event | Event Type (disaster declaration if applicable) | Sussex County Designated? | Summary of Event | Summary of Local Damages and Losses |
|-------------------------------------|----------------------------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| January 22, 2016 - January 24, 2016 | DR-4264: Severe Winter Storm and Snowstorm | Yes | A major nor'easter, produced record snowfall and blizzard conditions in parts of New Jersey on January 23 rd and 24 th . | Utility issues, road closures |
| March 3-4, 2019 | Snowstorm | No | Up to 8 inches of snow fell in portions of the County. Some areas also experienced freezing rain. | March 2019 snowstorm. Utility issues, road closures, downed trees. |
| January 20, 2020 and continuing | EM-3451, DR-4488: COVID-19 Pandemic | Yes | The coronavirus pandemic resulted in the need for shutdowns and social distancing and mask requirements. | Education, procurement of PPE, setting up testing sites, tracking |
| August 4, 2020 | Tropical Storm Isaias (declaration number pending) | Yes | Tropical Storm Isaias brought heavy rain to western New Jersey. Rainfall totals were as high as 3 to 5.5 inches. Observations from surrounding areas suggest sustained tropical storm force winds likely occurred. | Reached damage threshold and applying for a declaration. Downed trees, power outages, road closures. |

Source: FEMA 2020, NOAA NCEI 2020

9.1.6 Jurisdiction-Specific Vulnerabilities and Hazard Ranking

The hazard profiles in Section 4 (Risk Assessment) provide detailed information regarding each plan participant’s vulnerability to the identified hazards. Refer to Section 4.2 (Methodology and Tools) and Section 4.4 (Hazard Ranking) for a detailed summary for the Sussex County risk assessment results and data used to determine the hazard ranking discussed later in this section.

HAZARD AREA EXTENT AND LOCATION

Hazard area extent and location maps were generated for the Sussex County that illustrate the probable areas impacted within the municipality. These maps are based on the best available data at the time of the preparation of this plan and are adequate for planning purposes. Maps have been generated only for those hazards that can be clearly identified using mapping techniques and technologies and for which the Sussex County has significant exposure.

REPETITIVE FLOOD LOSSES

The following summarizes the repetitive and severe repetitive flood losses in the Sussex County.

- Number of repetitive loss (RL) properties: 16
- Number of severe repetitive loss (SRL) properties: 0
- Number of RL/SRL properties that have been mitigated: 0

Source: FEMA 2019. Data is as of September 30, 2019.

Note: The number of SRL properties excludes RL properties.

CRITICAL FACILITIES





The table below identifies critical facilities and lifelines in the community located in the 1-percent and 0.2-percent floodplain.

Table 9.1-12. Critical Facilities and Lifelines Flood Exposure

| Name | Type | Exposure | |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|------------|
| | | 1% Event | 0.2% Event |
| Critical facilities within the County are identified in the local municipal annexes in Section 9 and discussed in the County Profile (Section 3). | | | |

Source: Sussex County Planning Partnership 2020

Note:

*Identified lifeline

IDENTIFIED ISSUES AND PROBLEM AREAS

The jurisdiction has identified the following vulnerabilities within their community:

- Additional sheltering locations are needed to meet the County’s sheltering needs.
- Warming centers need to be established in new locations to expand offerings of warming and cooling centers and maintain access for at risk communities.
- DPW is responsible for much work in County areas to conduct tree trimming and emergency tree removal. The DPW lacks a 70-foot tree truck and a stump grinder.
- The Department of Public Works building does not have a roof that meets current standards for snow load. Failure of the roof could lead to a reduction in critical services by DPW before, during, and after hazard events.
- With the advent of new information on how to apply for hazard mitigation funding support and new programs for funding support, additional education is needed for County staff and municipal staff on FEMA HMA grant programs.
- Wildfire preparedness by the public is lacking.
- Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The County has 16 repetitive loss properties, but other properties may be impacted by flooding as well.
- The Farmland Preservation Plan was last updated in 2008. A new update is needed which would incorporate more information on hazard mitigation.
- The County’s Land Development Standards have not been updated since 2008.
- The Master Circulation Plan for Transportation requires update.
- The County Wastewater Management Plan is currently in draft form and requires adoption.

HAZARD RANKING

This section summarizes the jurisdiction’s primary hazards of concern based on identified problems, impacts and the results of the risk assessment as presented in Section 4 (Risk Assessment). The ranking process involves an assessment of the likelihood of occurrence for each hazard; its potential impacts on people, property, and the economy; community capability and changing future climate conditions. This input supports the development of mitigation actions, targeting those hazards with the highest level of concern.

As discussed in Section 4.4 (Hazard Ranking), each plan participant may have differing degrees of risk exposure and vulnerability compared to Sussex County as a whole. Therefore, the Sussex County ranked each hazard’s degree of risk as it pertains to their community factoring in their capabilities to withstand impacts and rebound after the event. The table below summarizes the hazard rankings of potential hazards for the Sussex County.





The Sussex County has reviewed the Sussex County hazard ranking table and has provided input to its individual results to reflect the relative risk of the hazards of concern to the community. During the review of the hazard ranking, the Sussex County indicated the following reasons why hazard rankings have changed since the 2016 HMP:

- The County agreed with the calculated hazard rankings.

Table 9.1-13. Sussex County Hazard Ranking

| | | | | | | |
|----------------------------|-------------------------------------|-------------------------|-------------------|-----------------------|------------------------------|-----------------|
| Dam Failure | Disease Outbreak | Drought | Earthquake | Flood | Geologic | |
| Medium | Medium | Medium | Low | Medium | Medium | |
| Hazardous Materials | Hurricane and Tropical Storm | Invasive Species | Nor'Easter | Severe Weather | Severe Winter Weather | Wildfire |
| High | High | High | High | High | High | Medium |

9.1.7 Mitigation Strategy and Prioritization

This section discusses past mitigations actions and status, describes proposed hazard mitigation initiatives, and provides action prioritization.

PAST MITIGATION INITIATIVE STATUS

The following table summarizes the jurisdiction’s progress on their mitigation strategy identified in the 2016 HMP. Actions that are carried forward as part of this plan update are included in Table 9.1-15 and Table 9.1-16 with prioritization. Previous actions that are now on-going programs and capabilities are indicated as such in the following table and can also be found under ‘Capability Assessment’ presented previously in this annex.

Table 9.1-14. Status of Previous HMP Mitigation Actions

| 2016 Action Number | Action Description | Responsible Party | Status (In Progress, No Progress, Ongoing Capability, or Completed) | Include in the 2021 HMP Update? | |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------|---------------------------------|-------------------------|
| | | | | Check if Yes | Enter 2021 HMP Action # |
| Sussex County-1 (new) | Ensure continuity of operations at critical facilities and county-owned buildings. The following project was identified at this time: Secure a generator for the Sheriff’s Office. | Sheriff’s Office, SCDEM | Complete | | |
| Sussex County-2 (revised old 4.B.2) | Incorporate hazard mitigation considerations and priorities into various County Plan updates, and integrate the County Master Plan with the County HMP during the Master Plan Update. | SCDEM, Planning Division | Ongoing Capability | | |
| Sussex County-3 (new) | Design and implement a mitigation awareness campaign through County Planning or Rutgers Extension to Farms/Tree Farms regarding | SCDEM, Planning Division, Rutgers Extension | Ongoing Capability | | |



| 2016 Action Number | Action Description | Responsible Party | Status (In Progress, No Progress, Ongoing Capability, or Completed) | Include in the 2021 HMP Update? | |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------|
| | | | | Check if Yes | Enter 2021 HMP Action # |
| | the ingestion pathway response for the radiological hazard. | | | | |
| Sussex County-4 (revised old 1.A.2) | Coordinate with the Sussex County College FM Radio Station to disseminate preparedness information. | SCDEM, Sussex County College | Ongoing Capability | | |
| Sussex County-5 (new) | Increase County capabilities to address tree and roadway maintenance, response and removal, and continuity of operations and purchase a new tree truck (70-foot, chipper box), updated stump grinder, and excavator. | DPW | In Progress: Added fourth person to tree crew. Purchased new 65 foot tree truck and excavator. DPW still needs a 70 foot tree truck and a stump grinder. | X | 2021-Sussex County-003 |
| Sussex County-6 (new) | Support continuity of operations at County buildings including the purchase and installation of generators including the Office of Bridges and Traffic, replace a generator at the Andover Garage/OEM warehouse, new generators new warming locations (libraries), shelters (Vo Tech) | Facilities Department | In Progress. Warming stations need to be updated to new locations. Additional shelters still needed. Andover Garage is complete. Office of Emergency Management near completion. | X | 2021-Sussex County-001, 2021-Sussex County-002, 2021-Sussex County-016 |
| Sussex County-7 (old County Facilities 1) | Retrofit roof to meet current standards for snow load on County Department of Public Works building located on Route 206. | Facilities Department | No Progress | X | 2021-Sussex County-004 |
| Sussex County-8 (revised old 1.A.3, 2.A.4) | Conduct annual workshop related to the FEMA HMA grant programs (HMGP, PDM, FMA). This may be done at quarterly OEM coordinator meetings and invite other County departments. | SCDEM and Engineering | In Progress. The County would like to expand offerings and incorporate information on BRIC. | X | 2021-Sussex County-005 |
| Sussex County-9 (revised old 1.A.4) | Coordinate a yearly program for public information on wildfire with NJ Forest Fire Service (Division A Liaison); and post this information on the County website regarding the wildfire hazard (including current information about fuel loads and conditions that may affect potential for fires). | SCDEM | In Progress | X | 2021-Sussex County-006 |
| Sussex County-10 | Inventory the critical facilities to identify those in geographic areas that may be prone to high | Facilities Department and Engineering | No Progress | X | 2021-Sussex County-017 |



| 2016 Action Number Action Description | | Responsible Party | Status (In Progress, No Progress, Ongoing Capability, or Completed) | Include in the 2021 HMP Update? | |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------------------------------------|---------------------------------|-------------------------|
| | | | | Check if Yes | Enter 2021 HMP Action # |
| (revised old 2.A.5) | ground motion during earthquakes (due to proximity to faults or to soil characteristics), and those with structures that may be at risk during an earthquake. Study will include determine soil and shake characteristics. | | | | |
| Sussex County-11 (revised old 2.A.7) | Work to determine soil and shake characteristics at specific sites that the county has identified as priority critical facilities with potential vulnerabilities to earthquake forces. Based on these results, analyze the critical structures to determine if the structures are sound and next steps to further mitigate. | Facilities Department and Engineering | No Progress | X | 2021-Sussex County-017 |
| Sussex County-12 (revised old 2.A.9, 2.A. 10) | Identify wind vulnerabilities at County critical facilities because buildings were designed to 70 mph; new updated code is 90 mph. | County Facilities | No Progress | X | 2021-Sussex County-017 |
| Sussex County-13 (revised old 2.A.19) | Undertake a survey of critical facilities to identify and prioritize those that may have structural characteristics that make them vulnerable to excessive snow and ice loads such as the Sherriff's Office. | County Facilities | No Progress | X | 2021-Sussex County-017 |
| Sussex County-14 (old 2.B.1) | Participate in the Emergency Preparedness Conference and workshops | SCDEM and municipal OEMs, NJOEM, NJFFS | Ongoing capability | | |
| Sussex County-15 (revised 3.A.1) | Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable. Phase 1: Identify appropriate candidates and determine most cost-effective mitigation option Phase 2: Work with the property owners to implement selected action based on | SCDEM | In Progress | X | 2021-Sussex County-007 |



| 2016 Action Number | Action Description | Responsible Party | Status (In Progress, No Progress, Ongoing Capability, or Completed) | Include in the 2021 HMP Update? | |
|--------------------|-----------------------------------------------------------|-------------------|------------------------------------------------------------------------|---------------------------------|-------------------------|
| | | | | Check if Yes | Enter 2021 HMP Action # |
| | available funding from FEMA and local match availability. | | | | |

In addition to the above progress, the Sussex County identified the following mitigation projects/activities that were completed but not identified in the 2016 HMP mitigation strategy:

- The County has done extensive work to increase the outreach and emergency response capabilities regarding the coronavirus pandemic.

PROPOSED HAZARD MITIGATION INITIATIVES FOR THE PLAN UPDATE

The Sussex County participated in a risk assessment workshop in October 2020 in which detailed information was provided about assets exposed and vulnerable to the identified hazards of concern. The Sussex County participated in a mitigation action workshop in November 2020 and was provided a Mitigation Toolbox that included a mitigation catalog developed specifically for Sussex County and its hazards of concerns; challenges and opportunities identified during the capability and risk assessments; mitigation funding sources, and the following FEMA publications to use as a resource as part of their comprehensive review of all possible activities and mitigation measures to address their hazards: FEMA 551 *Selecting Appropriate Mitigation Measures for Floodprone Structures* (March 2007) and FEMA *Mitigation Ideas – A Resource for Reducing Risk to Natural Hazards* (January 2013). Section 6 (Mitigation Strategy) and Appendix F (Mitigation Strategy Supplement) provide a more complete description of the Mitigation Toolbox and its resources.

Table 9.1-15 summarizes the comprehensive-range of specific mitigation initiatives the Sussex County would like to pursue in the future to reduce the effects of hazards. Initiatives are dependent upon available funding (grants and local match availability) and can be modified or omitted at any time based on the occurrence of new hazard events and changes in municipal priorities. Both the four FEMA mitigation action categories and the six CRS mitigation action categories are listed in the table below to further demonstrate the wide-range of activities and mitigation measures selected.

As discussed in Section 6 (Mitigation Strategy), 14 evaluation/prioritization criteria are used to complete the prioritization of mitigation initiatives. For each new mitigation action, a numeric rank is assigned (-1, 0, or 1) for each of the 14 evaluation criteria to assist with prioritizing actions as *High*, *Medium*, or *Low*. The table below summarizes the evaluation of each mitigation initiative, listed by action number.

Table 9.1-16 provides a summary of the prioritization of all proposed mitigation initiatives for this HMP update.



Table 9.1-15. Proposed Hazard Mitigation Initiatives

| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------|-----------|---------------------------|--------------------------------------------------------------------|-----------------------------------------------------------------------|----------------|----------|----------|---------------------|--------------|
| 2021-Sussex County-001 | Sheltering | <p>Problem: Additional sheltering locations are needed to meet the County’s sheltering needs.</p> <p>Solution: The County will be working to establish new shelters at the Sussex County Fair Grounds (capacity of 200) and the Fredon Civic Center (capacity of 90). Shelters will be designed to meet FEMA standards and include backup power.</p> | New | All Hazards | 1, 3, 6 | SCDEM | HMGP, BRIC, USDA Community Facilities Grant Program, County budget | Increased sheltering capacity | High | 5 years | High | SIP | ES |
| 2021-Sussex County-002 | Warming and Cooling Centers | <p>Problem: Warming centers need to be established in new locations to expand offerings of warming and cooling centers and maintain access for at risk communities.</p> <p>Solution: The County will expand the number of warming and cooling centers to service the County population.</p> | New | Severe Weather, Severe Winter Weather | 1, 3, 6 | SCDEM | HMGP, BRIC, USDA Community Facilities Grant Program, County budget | Increased emergency capabilities for extreme heat and cold events | Medium | 3 years | High | SIP | ES |
| 2021-Sussex County-003 | Increase Vegetation Management Capabilities | <p>Problem: DPW is responsible for much work in County areas to conduct tree trimming and emergency tree removal. The DPW lacks a 70-foot tree truck and a stump grinder.</p> <p>Solution: The County will purchase a 70-foot tree truck and a stump grinder.</p> | N/A | Severe Weather, Severe Winter Weather, Hurricane, Nor’Easter | 2, 5 | DPW | County budget | Increased capabilities | High | 5 years | High | SIP | ES |
| 2021-Sussex County-004 | DPW Snow Load Retrofit | <p>Problem: The Department of Public Works building does not have a roof that meets current standards for snow load. Failure of the roof could lead to a reduction in critical services by DPW before, during, and after hazard events.</p> <p>Solution: The County Facilities Department will retrofit the roof to meet current standards for snow load on the County Department of Public Works building located on Route 206.</p> | Existing | Severe Winter Weather, Nor’Easter | 1, 2, 6 | Facilities | HMGP, BRIC, USDA Community Facilities Grant Program, County budget | Reduction in risk of roof failure and protection of critical services | Medium | 5 years | High | SIP | PP |



| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|------------------------|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|-----------|---------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|----------------|----------|----------|---------------------|--------------|
| 2021-Sussex County-005 | FEMA HMA Informational Workshops | <p>Problem: With the advent of new information on how to apply for hazard mitigation funding support and new programs for funding support, additional education is needed for County staff and municipal staff on FEMA HMA grant programs.</p> <p>Solution: The County will expand offerings and incorporate information on BRIC at an annual workshop related to the FEMA HMA grant programs (HMGP, BRIC, FMA). This may be done at quarterly OEM coordinator meetings and invite other County departments.</p> | New and Existing | All Hazards | 3, 5 | SCDEM, Engineering | County budget | Increased participation and success in FEMA HMA programs | Low | 1 year | High | EAP | PI |
| 2021-Sussex County-006 | Wildfire Outreach | <p>Problem: Wildfire preparedness by the public is lacking.</p> <p>Solution: Coordinate a yearly program for public information on wildfire with NJ Forest Fire Service (Division A Liaison); and post this information on the County website regarding the wildfire hazard (including current information about fuel loads and conditions that may affect potential for fires).</p> | New and Existing | Wildfire | 3, 4 | SCDEM | County budget, NJ Forest Fire Service | Increased wildfire awareness and preparedness | Low | 2 years | High | EAP | PI |
| 2021-Sussex County-007 | Repetitive Loss Mitigation Support | <p>Problem: Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The County has 16 repetitive loss properties but other properties may be impacted by flooding as well.</p> <p>Solution: Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable. Phase 1: Identify appropriate candidates and determine most cost-effective mitigation option</p> | Existing | Flood, Severe Weather | 2 | SCDEM, local NFIP Floodplain Administrator, supported by homeowners | FEMA HMGP and FMA, local cost share by residents | Eliminates flood damage to homes and residents, creates open space, increasing flood storage | \$2 Million | 3 years | High | SIP | PP |





| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|------------------------|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|----------------------------------------------|------------|--------------------------------------------------------|---------------------------|-------------------------------------------------------------------------|----------------|----------------|----------|---------------------|--------------|
| | | Phase 2: Work with the property owners to implement selected action based on available funding from FEMA and local match availability. | | | | | | | | | | | |
| 2021-Sussex County-008 | Update Farmland Preservation Plan | <p>Problem: The Farmland Preservation Plan was last updated in 2008. A new update is needed which would incorporate more information on hazard mitigation.</p> <p>Solution: The County will update the Farmland Preservation Plan and include resiliency planning to address long term risk.</p> | New and Existing | All Hazards | 4, 5 | Department of Engineering and Planning | County budget | Increased planning and preparedness | Low | Within 5 years | High | LPR | PR |
| 2021-Sussex County-009 | Update Land Development Standards | <p>Problem: The County's Land Development Standards have not been updated since 2008.</p> <p>Solution: The County will update the Land Development Standards. The update will include discussion on green technologies and BMP's for stormwater.</p> | New and Existing | All Hazards | 2, 4, 5 | Department of Engineering and Planning, Planning Board | County budget | Reduced risk to new development and increasing stormwater effectiveness | Low | Within 5 years | High | LPR | PR, SP |
| 2021-Sussex County-010 | Master Circulation Plan for Transportation Update | <p>Problem: The Master Circulation Plan for Transportation is due for update.</p> <p>Solution: The County will update the Master Circulation Plan for Transportation, using information from the Hazard Mitigation Plan to identify and reduce risk to the transportation system and maintain emergency access.</p> | New and Existing | All Hazards | 1, 2, 4, 5 | Department of Engineering and Planning | County budget | Increased planning | Low | Within 5 years | High | LPR | PP, PR, ES |
| 2021-Sussex County-011 | Adopt the Wastewater Management Plan | <p>Problem: The County Wastewater Management Plan is currently in draft form and requires adoption.</p> <p>Solution: The County's Wastewater Management Plan is currently in draft form. Prior to adoption, the County will use information from the Hazard Mitigation Plan to make updates to reduce risk to the wastewater management system.</p> | New and Existing | Severe Weather, Flood, Hurricane, Nor'easter | 2, 6 | Department of Engineering and Planning | County budget | Reduction in risk of spills, better preparedness | Low | Within 5 years | High | LPR | PR, PP |





| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|------------------------|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|-----------|-----------------------------------------------------|---------------------------|--------------------------------------------------------------------|-------------------------------|----------------|----------|---------------------|--------------|
| 2021-Sussex County-012 | Update Stormwater Pollution Prevention Plan | <p>Problem: The County’s Stormwater Pollution Prevention Plan requires update.</p> <p>Solution: The County will update the Stormwater Pollution Prevention Plan, using information from the Hazard Mitigation Plan to assist in the update regarding storms and stormwater.</p> | New and Existing | Flood, Severe Weather | 2, 4, 5 | Department of Engineering and Planning | County budget | Updated plan with integrated information | Low | 1 year | High | LPR | PR |
| 2021-Sussex County-013 | PPE for Disease Outbreak Events | <p>Problem: During the current COVID-19 pandemic, an adequate supply of personal protective equipment (PPE) for County staff was difficult to come by. Without proper PPE, it puts staff and emergency responders at risk to the spread of infectious diseases.</p> <p>Solution: The County will purchase PPE to create a stockpile for municipal staff. This will include gloves, masks, gowns, antibacterial handwash, antiviral cleaning solutions, sanitizers, and misters.</p> | N/A | Disease Outbreak | 1, 3, 5 | Department of Health and Human Services | BRIC, County budget | Increase protection from diseases; decrease risk of disease spread | High | 1 year | High | LPR | ES |
| 2021-Sussex County-014 | Disinfecting Equipment for County Facilities | <p>Problem: In order to keep County facilities open and functioning during disease outbreak events, the County will require emerging technologies for the disinfecting of County facilities</p> <p>Solution: The County Division of Facilities staff will continue to research emerging technologies for the disinfecting of buildings that would allow for continuing operations during disease outbreak events. The Facilities Department will deploy / install technologies that are determined to be cost-effective</p> | Existing | Disease Outbreak | 1, 3, 5 | Department of Health and Human Services, Facilities | BRIC, County budget | Maintain continuity of operations during disease outbreak events | TBD by available technologies | Within 5 years | High | SIP | PP |
| 2021-Sussex County-015 | Increased Computer Technology and Software for Health Department | <p>Problem: The Health Department requires increased technological capabilities to track disease outbreak events, notify the public of important updates, share information between departments, and allow for registration for testing, treatment, and vaccination</p> <p>Solution: The County will invest in funds to upgrade the Health Department’s computer hardware and software capabilities to better identify,</p> | N/A | Disease Outbreak | 1, 3, 5 | Department of Health and Human Services | County budget | Increase County capabilities in disease outbreak events | Medium | 1 year | High | LPR, EAP | ES, PI |



| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|------------------------|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------|-----------|---------------------------|------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------|------------------|----------|---------------------|--------------|
| | | respond to, and treat disease outbreak events. | | | | | | | | | | | |
| 2021-Sussex County-016 | Office of Bridges and Traffic Backup Power | <p>Problem: Backup power sources are necessary to maintain critical services for critical facilities. The Office of Bridges and Traffic lacks a backup power source.</p> <p>Solution: Facilities will research what size generator is needed to power the Office of Bridges and Traffic. The County will then purchase and install the selected generator and necessary electrical components to supply backup power to the Office of Bridges and Traffic.</p> | Existing | Severe Weather, Severe Winter Weather, Hurricane, Nor' Easter | 1, 3, 6 | Facilities | FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, County Budget | Ensure s continuity of operations of Office of Bridges and Traffic | \$50,000 | Withi n 5 ye ars | Hig h | SIP | ES |
| 2021-Sussex County-017 | County Facilities Hazard Surveying | <p>Problem: County facilities should be protected from hazards to maintain continuity of operations. Numerous facilities are aging and were built to standards that are lower than modern building requirements.</p> <p>Solution: The County will complete the following surveys of County Facilities:</p> <ul style="list-style-type: none"> • Soil and shake characteristics with potential vulnerabilities to earthquake forces. • Structures that may be at risk during an earthquake • Wind vulnerabilities (buildings were designed to 70 mph; new updated code is 90 mph) • Structural characteristics that make them vulnerable to excessive snow and ice loads <p>The County will then pursue necessary structural improvements that are identified by these surveys.</p> | Existing | Earthquake , Severe Weather, Severe Winter Weather | 1, 3, 6 | Facilities | County Budget | Protect ion of County facilitie s. | Staff time for surve ys | Withi n 5 ye ars | Hig h | SIP | PP |
| 2021-Sussex | Frankford Wastewater | <p>Problem: The Frankford Wastewater Treatment facility requires upgrade of the force main to prevent spills of sewage.</p> | Existing | Hazardous Materials | 2 | County Facilities, Sussex | BRIC, County budget | Prevent ion of spills | \$3.5-4 | Withi n 5 | Hig h | SIP | PP |





| Initiative Number | Mitigation Initiative Name | Description of the Problem and Solution | New or Existing Assets? | Hazard(s) to be Mitigated | Goals Met | Lead and Support Agencies | Potential Funding Sources | Estimated Benefits | Estimated Cost | Timeline | Priority | Mitigation Category | CRS Category |
|-------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------|-----------|--------------------------------------|---------------------------|--------------------|----------------|----------|----------|---------------------|--------------|
| County-018 | Facility Upgrades | Solution: County Facilities will work with the Sussex County Utilities Authority to upgrade the force main at the Wastewater Facility. | | | | County Municipal Utilities Authority | | | million | years | | | |

Notes:

Acronyms and Abbreviations:

CAV Community Assistance Visit
 CRS Community Rating System
 DPW Department of Public Works
 FEMA Federal Emergency Management Agency
 FPA Floodplain Administrator
 HMA Hazard Mitigation Assistance
 N/A Not applicable
 NFIP National Flood Insurance Program
 OEM Office of Emergency Management

Potential FEMA HMA Funding Sources:

FMA Flood Mitigation Assistance Grant Program
 HMGP Hazard Mitigation Grant Program
 BRIC Building Resilient Infrastructure and Communities Program

Timeline:

The time required for completion of the project upon implementation

Cost:

The estimated cost for implementation.

Benefits:

A description of the estimated benefits, either quantitative and/or qualitative.

Mitigation Category:

- Local Plans and Regulations (LPR) – These actions include government authorities, policies or codes that influence the way land and buildings are being developed and built.
- Structure and Infrastructure Project (SIP) - These actions involve modifying existing structures and infrastructure to protect them from a hazard or remove them from a hazard area. This could apply to public or private structures as well as critical facilities and infrastructure. This type of action also involves projects to construct manmade structures to reduce the impact of hazards.
- Natural Systems Protection (NSP) – These are actions that minimize damage and losses and preserve or restore the functions of natural systems.
- Education and Awareness Programs (EAP) – These are actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. These actions may also include participation in national programs, such as StormReady and Firewise Communities.

CRS Category:

- Preventative Measures (PR) - Government, administrative or regulatory actions, or processes that influence the way land and buildings are developed and built. Examples include planning and zoning, floodplain local laws, capital improvement programs, open space preservation, and storm water management regulations.
- Property Protection (PP) - These actions include public activities to reduce hazard losses or actions that involve (1) modification of existing buildings or structures to protect them from a hazard or (2) removal of the structures from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, storm shutters, and shatter-resistant glass.
- Public Information (PI) - Actions to inform and educate citizens, elected officials, and property owners about hazards and potential ways to mitigate them. Actions include outreach projects, real estate disclosure, hazard information centers, and educational programs for school-age children and adults.
- Natural Resource Protection (NR) - Actions that minimize hazard loss and preserve or restore the functions of natural systems. Actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management, and wetland restoration and preservation.
- Structural Flood Control Projects (SP) - Actions that involve the construction of structures to reduce the impact of a hazard. Structures include dams, setback levees, floodwalls, retaining walls, and safe rooms.
- Emergency Services (ES) - Actions that protect people and property during and immediately following a disaster or hazard event. Services include warning systems, emergency response services, and the protection of essential facilities.



Table 9.1-16. Summary of Evaluation and Action Priorities

| Initiative Number | Mitigation Initiative Name | Life Safety | Property Protection | Cost Effectiveness | Technical | Political | Legal | Fiscal | Environmental | Social | Administrative | Multi-Hazard | Timeline | Agency Champion | Other Community | Total | High / Medium / Low |
|------------------------|---------------------------------------------------|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|-----------------|-------|---------------------|
| 2021-Sussex County-001 | Sheltering | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | High ⚠ |
| 2021-Sussex County-002 | Warming and Cooling Centers | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 11 | High |
| 2021-Sussex County-003 | Increase Vegetation Management Capabilities | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-004 | DPW Snow Load Retrofit | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-005 | FEMA HMA Informational Workshops | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 14 | High |
| 2021-Sussex County-006 | Wildfire Outreach | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 13 | High |
| 2021-Sussex County-007 | Repetitive Loss Mitigation Support | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 10 | High |
| 2021-Sussex County-008 | Update Farmland Preservation Plan | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-009 | Update Land Development Standards | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-010 | Master Circulation Plan for Transportation Update | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-011 | Adopt the Wastewater Management Plan | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-012 | Update Stormwater Pollution Prevention Plan | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 13 | High |
| 2021-Sussex County-013 | PPE for Disease Outbreak Events | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 10 | High |



| Initiative Number | Mitigation Initiative Name | Life Safety | Property Protection | Cost Effectiveness | Technical | Political | Legal | Fiscal | Environmental | Social | Administrative | Multi-Hazard | Timeline | Agency Champion | Other Community | Total | High / Medium / Low |
|------------------------|------------------------------------------------------------------|-------------|---------------------|--------------------|-----------|-----------|-------|--------|---------------|--------|----------------|--------------|----------|-----------------|-----------------|-------|---------------------|
| 2021-Sussex County-014 | Disinfecting Equipment for County Facilities | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-015 | Increased Computer Technology and Software for Health Department | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 10 | High |
| 2021-Sussex County-016 | Office of Bridges and Traffic Backup Power | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 12 | High |
| 2021-Sussex County-017 | County Facilities Hazard Surveying | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 13 | High |
| 2021-Sussex County-018 | Frankford Wastewater Facility Upgrades | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 10 | High |

Notes: Section 6 (Mitigation Strategy) conveys guidance on prioritizing mitigation actions. Low (0-4), Medium (5-8), High (9-14).

! This action has been identified as being of highest importance to the municipality and an action that the municipality would like to complete as soon as funding is received.

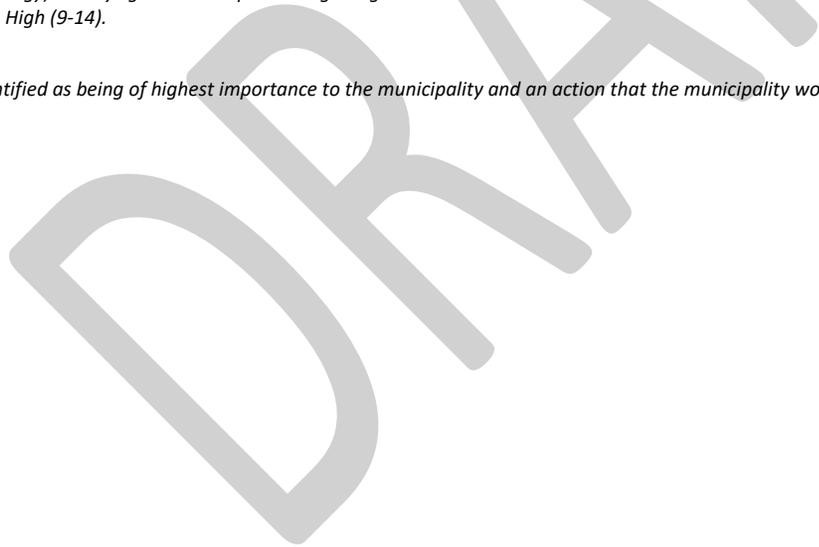




Table 9.1-17. Analysis of Mitigation Actions by Hazard and Category

| Hazard | Prevention | Property Protection | Public Education and Awareness | Natural Resource Protection | Emergency Services | Structural Projects | Climate Resilient | Community Capacity Building |
|------------------------------|------------|---------------------|--------------------------------|-----------------------------|--------------------|---------------------|-------------------|-----------------------------|
| Dam Failure | X | X | X | | X | | | X |
| Disease Outbreak | X | X | X | | X | | | X |
| Drought | X | X | X | | X | | | X |
| Earthquake | X | X | X | | X | | | X |
| Flood | X | X | X | | X | | | X |
| Geologic | X | X | X | | X | X | X | X |
| Hazardous Materials | X | X | X | | X | | | X |
| Hurricane and Tropical Storm | X | X | X | | X | | | X |
| Invasive Species | X | X | X | | X | | | X |
| Nor'Easter | X | X | X | | X | | | X |
| Severe Weather | X | X | X | | X | X | X | X |
| Severe Winter Weather | X | X | X | | X | | | X |
| Wildfire | X | X | X | | X | | | X |

Note: Section 6 (Mitigation Strategy) provides for an explanation of the mitigation categories.

- RED** high ranked hazard
- ORANGE** medium ranked hazard
- YELLOW** low ranked hazard

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| Action Worksheet | | | |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| Project Name: | Sheltering | | |
| Project Number: | 2021-Sussex County-001 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | All hazards | | |
| Description of the Problem: | Additional sheltering locations are needed to meet the County's sheltering needs. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | The County will establish new shelters at the Sussex County Fair Grounds (capacity of 200) and the Fredon Civic Center (capacity of 90). Shelters will be designed to meet FEMA standards and include backup power. | | |
| Is this project related to a Critical Facility or Lifeline? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Level of Protection: | 500-year | Estimated Benefits (losses avoided): | Increased sheltering capacity |
| Useful Life: | 25 years | Goals Met: | 1, 3, 6 |
| Estimated Cost: | High | Mitigation Action Type: | Structure and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | 5 years |
| Estimated Time Required for Project Implementation: | Within 2 years | Potential Funding Sources: | HMGP, BRIC, USDA Community Facilities Grant Program, County budget |
| Responsible Organization: | SCDEM | Local Planning Mechanisms to be Used in Implementation if any: | Hazard mitigation, Emergency management |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Current problem continues |
| | Purchase multi-use trailers | \$1M per trailer | Require deployment, limited space |
| | Purchase tents | \$100,000 per tent and supplies | Not appropriate for during hazard events or cold weather. |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|--------------------------------|-------------------------|------------------------------------------------------------|
| Project Name: | Sheltering | |
| Project Number: | 2021-Sussex County-001 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Provides sheltering for the region |
| Property Protection | 0 | |
| Cost-Effectiveness | 1 | |
| Technical | 1 | The project is technically feasible |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to complete the project |
| Fiscal | 0 | The project requires funding support |
| Environmental | 1 | |
| Social | 1 | Project would benefit and serve the region |
| Administrative | 1 | |
| Multi-Hazard | 1 | All hazards |
| Timeline | 0 | Within 5 years |
| Agency Champion | 1 | SCDEM |
| Other Community Objectives | 1 | |
| Total | 11 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Project Name: | DPW Snow Load Retrofit | | |
| Project Number: | 2021-Sussex County-004 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Severe Weather, Severe Winter Weather | | |
| Description of the Problem: | The Department of Public Works building does not have a roof that meets current standards for snow load. Failure of the roof could lead to a reduction in critical services by DPW before, during, and after hazard events. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | The County Facilities Department will retrofit the roof to meet current standards for snow load on the County Department of Public Works building located on Route 206. | | |
| Is this project related to a Critical Facility or Lifeline? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Level of Protection: | 500-year | Estimated Benefits (losses avoided): | Reduction in risk of roof failure and protection of critical services |
| Useful Life: | 25 years | Goals Met: | 1, 2, 6 |
| Estimated Cost: | High | Mitigation Action Type: | Structure and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | 3 years |
| Estimated Time Required for Project Implementation: | 1 year | Potential Funding Sources: | HMGP, BRIC, USDA Community Facilities Grant Program, County budget |
| Responsible Organization: | DPW, Facilities | Local Planning Mechanisms to be Used in Implementation if any: | Hazard mitigation, Emergency management |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Current problem continues |
| | Build new DPW Garage | High | Costly, unnecessary |
| | Build small backup garage in case of failure | High | Costly, facility unlikely to be used |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|--------------------------------|-------------------------|------------------------------------------------------------------|
| Project Name: | DPW Snow Load Retrofit | |
| Project Number: | 2021-Sussex County-004 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Protects critical services of DPW |
| Property Protection | 1 | Protects DPW building from Winter Weather and Nor'Easter damages |
| Cost-Effectiveness | 1 | |
| Technical | 1 | The project is technically feasible |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to complete the project |
| Fiscal | 0 | The project requires funding support |
| Environmental | 1 | |
| Social | 1 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | Severe Winter Weather, Nor'Easter |
| Timeline | 0 | 5 years |
| Agency Champion | 1 | DPW, Facilities |
| Other Community Objectives | 1 | |
| Total | 12 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Name: | Repetitive Loss Mitigation Support | | |
| Project Number: | 2021-Sussex County-007 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Flood, Severe Storm | | |
| Description of the Problem: | Frequent flooding events have resulted in damages to residential properties. These properties have been repetitively flooded as documented by paid NFIP claims. The County has 16 repetitive loss properties but other properties may be impacted by flooding as well. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | Support the mitigation of vulnerable structures via retrofit (e.g. elevation, flood-proofing) or acquisition/relocation to protect them from future damage; repetitive loss and severe repetitive loss properties should be a priority, when applicable. Phase 1: Identify appropriate candidates and determine most cost-effective mitigation option Phase 2: Work with the property owners to implement selected action based on available funding from FEMA and local match availability. | | |
| Is this project related to a Critical Facility or Lifeline? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Level of Protection: | 1% annual chance flood event + freeboard (<i>in accordance with flood ordinance</i>) | Estimated Benefits (losses avoided): | Eliminates flood damage to homes and residents, creates open space, increasing flood storage. |
| Useful Life: | Acquisition: Lifetime Elevation: 30 years (residential) | Goals Met: | 2 |
| Estimated Cost: | \$2 Million | Mitigation Action Type: | Structure and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | 6-12 months |
| Estimated Time Required for Project Implementation: | Three years | Potential Funding Sources: | FEMA HMGP and FMA, local cost share by residents |
| Responsible Organization: | SCDEM, local NFIP Floodplain Administrator, supported by homeowners | Local Planning Mechanisms to be Used in Implementation if any: | Hazard Mitigation |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Current problem continues |
| | Elevate homes | \$500,000 | When this area floods, the entire area is impacted; elevating homes would not eliminate the problem and still lead to road closures and impassable roads |
| | Elevate roads | \$500,000 | Elevated roadways would not protect the homes from flood damages |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|-----------------------------------|------------------------------------|-------------------------------------------------------------------------|
| Project Name: | Repetitive Loss Mitigation Support | |
| Project Number: | 2021-Sussex County-007 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Families moved out of high-risk flood areas. |
| Property Protection | 1 | Properties removed from high-risk flood areas. |
| Cost-Effectiveness | 1 | Cost-effective project |
| Technical | 1 | Technically feasible project |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to conduct the project. |
| Fiscal | 0 | Project will require grant funding. |
| Environmental | 1 | |
| Social | 0 | Project would remove families from the flood prone areas of the County. |
| Administrative | 0 | |
| Multi-Hazard | 1 | Flood, Severe Weather |
| Timeline | 0 | 3 years |
| Agency Champion | 1 | SCDEM, local NFIP Floodplain Administrator, supported by homeowners |
| Other Community Objectives | 1 | |
| Total | 10 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--------------------------------------------------------------------|
| Project Name: | PPE for Disease Outbreak Events | | |
| Project Number: | 2021-Sussex County-013 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Disease Outbreak | | |
| Description of the Problem: | During the current COVID-19 pandemic, an adequate supply of personal protective equipment (PPE) for County staff was difficult to come by. Without proper PPE, it puts staff and emergency responders at risk to the spread of infectious diseases. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | The County will purchase PPE to create a stockpile for municipal staff. This will include gloves, masks, gowns, antibacterial handwash, antiviral cleaning solutions, sanitizers, and misters. | | |
| Is this project related to a Critical Facility or Lifeline? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> | |
| Level of Protection: | PPE | Estimated Benefits (losses avoided): | Increase protection from diseases; decrease risk of disease spread |
| Useful Life: | Supply needs to be replaced after use | Goals Met: | 1, 3, 5 |
| Estimated Cost: | High | Mitigation Action Type: | Local Plans and Regulations |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 2 years |
| Estimated Time Required for Project Implementation: | 1 year | Potential Funding Sources: | BRIC, County budget |
| Responsible Organization: | Department of Health and Human Services | Local Planning Mechanisms to be Used in Implementation if any: | Hazard Mitigation, Emergency Management |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Current problem continues |
| | Shut down during disease outbreak events | N/A | Loss of continuity of operations |
| | Rely on state/federal distribution | \$0 | Supply not guaranteed |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|--------------------------------|---------------------------------|------------------------------------------------------------------|
| Project Name: | PPE for Disease Outbreak Events | |
| Project Number: | 2021-Sussex County-013 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Protects life from disease outbreak |
| Property Protection | 0 | |
| Cost-Effectiveness | 1 | Cost-effective project |
| Technical | 1 | Technically feasible project |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to conduct the project. |
| Fiscal | 0 | Project will require funding support. |
| Environmental | 0 | |
| Social | 1 | Project would help protect families from disease outbreak events |
| Administrative | 1 | |
| Multi-Hazard | 0 | Disease Outbreak |
| Timeline | 1 | 1 year |
| Agency Champion | 1 | Department of Health and Human Services |
| Other Community Objectives | 1 | |
| Total | 10 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|
| Project Name: | Disinfecting Equipment for County Facilities | | |
| Project Number: | 2021-Sussex County-014 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Disease Outbreak | | |
| Description of the Problem: | In order to keep County facilities open and functioning during disease outbreak events, the County will require emerging technologies for the disinfecting of County facilities | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | The County Department of Health and Human Services staff will continue to research emerging technologies for the disinfecting of buildings that would allow for continuing operations during disease outbreak events. The Facilities Department will install technologies that are determined to be cost-effective. | | |
| Is this project related to a Critical Facility or Lifeline? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Level of Protection: | TBD by available technologies | Estimated Benefits (losses avoided): | Maintain continuity of operations during disease outbreak events |
| Useful Life: | 25 years | Goals Met: | |
| Estimated Cost: | TBD by available technologies | Mitigation Action Type: | Structure and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 5 years |
| Estimated Time Required for Project Implementation: | Within 2 years | Potential Funding Sources: | BRIC, County budget |
| Responsible Organization: | Department of Health and Human Services, Facilities | Local Planning Mechanisms to be Used in Implementation if any: | Hazard mitigation, emergency management |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Current problem continues |
| | Hire outside consultant to address disease outbreak events | High | High cost, may not be needed at all times |
| | Set up plans to work remotely during all disease outbreak events | N/A | Full remote setting not possible for critical services |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|--------------------------------|----------------------------------------------|------------------------------------------------------------|
| Project Name: | Disinfecting Equipment for County Facilities | |
| Project Number: | 2021-Sussex County-014 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Provides protection for critical services for the County |
| Property Protection | 0 | |
| Cost-Effectiveness | 1 | |
| Technical | 1 | The project is technically feasible |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to complete the project |
| Fiscal | 0 | The project requires funding support |
| Environmental | 1 | |
| Social | 1 | Project would benefit and serve the region |
| Administrative | 1 | |
| Multi-Hazard | 0 | Disease Outbreak |
| Timeline | 0 | Within 5 years |
| Agency Champion | 1 | Department of Health and Human Services, Facilities |
| Other Community Objectives | 1 | |
| Total | 12 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Project Name: | Office of Bridges and Traffic Backup Power | | |
| Project Number: | 2021-Sussex County-016 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Severe Weather, Severe Winter Weather, Hurricane, Nor'Easter | | |
| Description of the Problem: | Backup power sources are necessary to maintain critical services for critical facilities. The Office of Bridges and Traffic lacks a backup power source. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | Facilities will research what size generator is needed to power the Office of Bridges and Traffic. The County will then purchase and install the selected generator and necessary electrical components to supply backup power to the Office of Bridges and Traffic. | | |
| Is this project related to a Critical Facility? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | |
| Level of Protection: | N/A | Estimated Benefits (losses avoided): | Ensures continuity of operations of Office of Bridges and Traffic |
| Useful Life: | 20 years | Goals Met: | 1, 3 |
| Estimated Cost: | \$50,000 | Mitigation Action Type: | Structure and Infrastructure Projects (SIP) |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 5 years |
| Estimated Time Required for Project Implementation: | 1 year | Potential Funding Sources: | FEMA HMGP and BRIC, USDA Community Facilities Grant Program, Emergency Management Performance Grants (EMPG) Program, County Budget |
| Responsible Organization: | County Facilities | Local Planning Mechanisms to be Used in Implementation if any: | Hazard Mitigation, Emergency Management |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Problem continues. |
| | Install solar panels | \$100,000 | Weather dependent; need large amount of space for installation; expensive if repairs needed |
| | Install wind turbine | \$100,000 | Weather dependent; poses a threat to wildlife; expensive repairs if needed |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|------------------------------------|--------------------------------------------|-------------------------------------------------------------------------|
| Project Name: | Office of Bridges and Traffic Backup Power | |
| Project Number: | 2021-Sussex County-016 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 1 | Project will protect critical services of Office of Bridges and Traffic |
| Property Protection | 1 | Project will protect building from power loss. |
| Cost-Effectiveness | 1 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | The County has the legal authority to complete the project. |
| Fiscal | 0 | Project requires funding support. |
| Environmental | 1 | |
| Social | 1 | |
| Administrative | 1 | |
| Multi-Hazard | 1 | Severe Weather, Severe Winter Weather, Hurricane, Nor'Easter |
| Timeline | 0 | Within 5 years |
| Agency Champion | 1 | County Facilities |
| Other Community Objectives | 1 | |
| Total | 12 | |
| Priority (High/Med/Low) | High | |



| Action Worksheet | | | |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------|
| Project Name: | Frankford Wastewater Facility Upgrades | | |
| Project Number: | 2021-Sussex County-018 | | |
| Risk / Vulnerability | | | |
| Hazard(s) of Concern: | Hazardous Materials | | |
| Description of the Problem: | The Frankford Wastewater Treatment facility requires upgrade of the force main to prevent spills of sewage. | | |
| Action or Project Intended for Implementation | | | |
| Description of the Solution: | County Facilities will work with the Sussex County Utilities Authority to upgrade the force main at the Wastewater Facility. | | |
| Is this project related to a Critical Facility? | | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Level of Protection: | TBD by force main design | Estimated Benefits (losses avoided): | Prevention of spills |
| Useful Life: | 20 years | Goals Met: | 2 |
| Estimated Cost: | \$3.5-4 million | Mitigation Action Type: | Structure and Infrastructure Project |
| Plan for Implementation | | | |
| Prioritization: | High | Desired Timeframe for Implementation: | Within 5 years |
| Estimated Time Required for Project Implementation: | Within 5 years | Potential Funding Sources: | BRIC, County budget |
| Responsible Organization: | County Facilities, Sussex County Municipal Utilities Authority | Local Planning Mechanisms to be Used in Implementation if any: | Hazard Mitigation |
| Three Alternatives Considered (including No Action) | | | |
| Alternatives: | Action | Estimated Cost | Evaluation |
| | No Action | \$0 | Problem continues. |
| | Build secondary facility | High | Very high cost |
| | Remove facility | N/A | Removal of facility not a possibility |
| Progress Report (for plan maintenance) | | | |
| Date of Status Report: | | | |
| Report of Progress: | | | |
| Update Evaluation of the Problem and/or Solution: | | | |



| Action Worksheet | | |
|--------------------------------|----------------------------------------|----------------------------------------------------------------|
| Project Name: | Frankford Wastewater Facility Upgrades | |
| Project Number: | 2021-Sussex County-018 | |
| Criteria | Numeric Rank (-1, 0, 1) | Provide brief rationale for numeric rank when appropriate |
| Life Safety | 0 | |
| Property Protection | 1 | Increase capacity of facility to prevent spills |
| Cost-Effectiveness | 1 | |
| Technical | 1 | |
| Political | 1 | |
| Legal | 1 | |
| Fiscal | 0 | Project requires funding support |
| Environmental | 1 | Prevent spills |
| Social | 1 | |
| Administrative | 1 | |
| Multi-Hazard | 0 | Hazardous Materials |
| Timeline | 0 | Within 5 years |
| Agency Champion | 1 | County Facilities, Sussex County Municipal Utilities Authority |
| Other Community Objectives | 1 | |
| Total | 10 | |
| Priority (High/Med/Low) | High | |

