

SECTION 4
LOCAL MITIGATION STRATEGY GOALS AND OBJECTIVES

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GOALS AND OBJECTIVES

Overview

Based on the hazards and vulnerability analyses, the next step in the LMS planning process was the development of definitive, realistic goals and objectives.

With the update of the Local Mitigation Strategy, the LMS Committee modified the goals and objectives to provide a clear, concise strategy on where to expend additional funds; as well as address mitigation as a comprehensive, multi-jurisdictional program.

In addition to non-structural approaches (growth management) to mitigation, public education campaigns as well as the hardening of critical facilities and shelters; the concepts of community resiliency and intergovernmental and inter-agency coordination remain critical to the LMS.

The LMS Committee focused on the hazard-specific goals to maintain the “all-hazards” approach. Additionally, objectives were reviewed and modified to achieve these goals.

The four goals adopted for the LMS Plan are:

- 1. Become a More Disaster Resilient Community.**
- 2. Minimize Coastal, Riverine, and Inland Flooding Losses throughout the County.**
- 3. Minimize Storm Wind Losses throughout the County.**
- 4. Minimize Wildfire Losses in the Forest / Urban Interface Areas.**

Specific Measures

Mitigation tools and techniques fall into three broad categories: (1) structural techniques including design and construction; (2) environmental interventions and (3) non-structural interventions.

Structural mitigation projects include strengthening of vulnerable structures and public facilities to withstand wind, fire and other forces, elevation of structures to protect them from flood damage, construction of storm water control facilities and drainage improvements. Environmental intervention refers to actions that reduce the vulnerability of communities by armoring them against the elements. This term includes beach restoration and stabilization projects. Non- structural mitigation refers to policies for avoiding hazard impacts, applying zoning restrictions, land acquisition in the floodplain, promoting citizen awareness and public education initiatives.

Each goal identified objectives which fell into one of five (5) specific measures:

A. Prevention:

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Government administrative or regulatory actions or processes that influence the way land and buildings are developed and built. These actions also include public activities to reduce hazard losses. Examples include planning and zoning, building codes, capital improvement programs, open space, preservation and storm water management regulation.

B. Property Protection:

Actions that involve the modification of building or infrastructure to protect them from a hazard or removal from the hazard area. Examples include acquisition, elevation, relocation, structural retrofits, flood proofing, storm shutters, and impact-resistant glass.

C. Public Education and Awareness:

Actions to inform and educate citizens, elected officials and property owners about potential risks from hazards and potential ways to mitigate them. Such actions include outreach projects, real estate disclosure, hazard information centers, and school-age and adult education programs.

D. Natural Resource Protection:

Actions that, in addition to minimizing hazard losses also preserve or restore the functions of natural systems. These actions include sediment and erosion control, stream corridor restoration, watershed management, forest and vegetation management and wetland restoration and preservation.

E. Structural Projects:

These are actions that involve the construction of structures to reduce the impact of a hazard. Such structures include storm water controls, floodwalls, seawalls, retaining walls and safe rooms. Structural projects are a key component to mitigating some of the county's most significant hazards; therefore, the Task Force chose to place added focus on such projects as detailed in the next section.

The implementation of a mitigation program is a key component in the achievement of a "sustainable community", one in which citizens, businesses and institutions are protected from the disruptions and impacts of disasters. In a county such as Santa Rosa County, coordination among and between levels of government is critical to the success of the program.

The LMS established the goals and objectives listed on the following pages (Table 4-1) as a foundation of the countywide mitigation strategy. These were approved by the LMS Committee at the October 22, 2020 meeting.

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Table 4-1: Mitigation Strategy - Goals and Objectives

Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
Goal 1: Become a more disaster resilient community.	A. Preventive Measures	Objective 1.A.1: Adopt and enforce building codes, floodplain regulations, comprehensive plans, and land development codes which provide for enhanced public safety and structural integrity of buildings and infrastructure in order to achieve mitigation goals.	Local governments have adopted and will enforce the identified codes and will update periodically as needed. This activity is ongoing.	Building Code, Comprehensive Plans, and Land Development Codes	County Development Services; City of Milton Planning Department; Gulf Breeze Community Services Department; Town of Jay City Clerk
	A. Preventive Measures	Objective 1.A.2: Local governments, non-governmental organizations, and businesses should develop and maintain Continuity of Operations (COOP) Plans which minimize the impact of business interruption and protect vital records.	Local government departments prepare and update individual COOPs; promote Business Continuity Plans, encourage non-profits to develop continuity plans. This activity is targeted for completion by June 2018.	Department emergency response plans; COOPs	County Emergency Management; all local government departments
	A. Preventive Measures	Objective 1.A.3: Continue to maintain and implement the Santa Rosa County Comprehensive Emergency Management Plan (CEMP) which addresses preparedness, response, recovery, and mitigation.	The County's CEMP, currently dated 2014, is updated every 4 to 5 years.	CEMP	County Emergency Management
	A. Preventive Measures	Objective 1.A.4: Provide training opportunities and encourage staff to pursue professional development in all areas of hazard mitigation.	Provide in-house training opportunities and encourage participation in low cost professional development events related to all areas of	County and municipal departmental training plans.	County Emergency Management, Grants, Building Inspections, and

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Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
			hazard mitigation including emergency management, building inspections, planning, floodplain management, and grants. This activity is ongoing.		Floodplain Management Depts; County and municipal Planning Depts
	B. Property Protection	Objective 1.B.1: Continue to utilize federal and state programs to encourage and provide incentives to private property owners to make homes more resistant to natural disasters.	The County will continue to work with owners of repetitive loss properties to apply for HMGP funds to elevate homes. The County will also continue to support area non-profits such as Rebuild NWFL, Community Action of Pensacola, and United Way to assist property owners in hardening their homes against disasters. This activity is ongoing.	LMS; FMP	County Grants, Housing, and Floodplain Management
	B. Property Protection	Objective 1.B.2: Identify, assess, prioritize, and harden critical facilities and key critical infrastructure.	Each government, through the updating of the CEMP and LMS, assesses the status of critical facilities and infrastructure. This activity occurs every 4-5 years.	CEMP; LMS	Emergency Management; county and municipal public works and administration
	C. Public Education & Awareness	Objective 1.C.1: Maintain a public awareness campaign that informs citizens, officials, and businesses about: <ul style="list-style-type: none"> - Potential risks; - Mitigation alternatives; - Incentives and funding assistance 	Continue Emergency Management and Floodplain Management education activities via internet, news outlets, social media, direct mailings, signage, training, and speaking opportunities. This activity is ongoing.	FMP; website; Hurricane Guides	County Emergency Management Department and Flood Management Office
	D. Natural Resource	Objective 1.D.1: Adopt and enforce Land Development	Each local government has adopted Land Development	County and municipality LDCs.	County and municipal

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Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
	Protection	regulations that provide for protection of environmentally sensitive lands, i.e., wetlands, coastal areas, and flood plains, in order to achieve mitigation goals.	Codes that provide this protection; continue to enforce and update as necessary.		Planning Departments; Jay Town Clerk
	D. Natural Resource Protection	Objective 1.D.2: Support environmental land acquisition programs which limit development in hazards prone areas while protecting environmental lands and/or providing recreational opportunities.	177,762 acres in unincorporated Santa Rosa County are designated Conservation/Recreation on the Future Land Use Map. Most of these are state-owned properties that protect environmental resources while removing hazard prone areas from development, particularly floodprone areas. This activity is ongoing.	County Comprehensive Plan; LMS; FMP	BOCC, County Planning & Zoning Dept; County Grants Dept.
	E. Structural Projects	Objective 1.E.1: Support the construction of structures that reduce the impact of hazards including storm water controls, seawalls, security and monitoring capabilities, and shelters.	Enforce adopted building and land development codes related to structural mitigation; develop, prioritize, and seek funding for structural mitigation projects. This activity is ongoing.	Building Code; LDCs; LMS	County Building Dept; county and municipal Planning; Grants; Engineering and Public Works Depts.
Goal 2: Minimize coastal, riverine, and inland flooding losses throughout the county.	A. Preventive Measures	Objective 2.A.1: Enforce adopted building codes; floodplain management regulations; and land development codes related to stormwater management.	The County enforces the Florida Building Code for all areas in the county. The floodplain management ordinance is adopted in the County's Land Development Code. The County and each municipality have adopted stormwater management	Building Code; LDCs	County Building Dept; county and municipal Planning and Engineering Depts.

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Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
			codes to prevent flood losses. The County and municipalities will continue to enforce these regulations. This activity is ongoing.		
	B. Property Protection	Objective 2.B.1: Continue to work with repetitive loss property owners to apply for HMGP grant funds for elevating their homes.	Contact repetitive loss homeowners to advise of availability of HMGP funds and assist them with the application process. This activity occurs annually.	LMS; FMP	Grants Dept and Floodplain Management Office
	C. Public Education & Awareness	Objective 2.C.1: Provide residents and property owners with up-to-date information regarding their: <ul style="list-style-type: none"> - Hurricane Evacuation Zone; - Flood Zone; - Vulnerabilities to tsunamis and rogue waves and - Opportunities to participate in programs which can assist them with their mitigation efforts. 	Continue Floodplain Management education activities via internet, news outlets, social media, direct mailings, signage, training, and speaking opportunities; provide coastal hazards awareness where appropriate. This activity is ongoing.	FMP; website, LMS, CEMP and Disaster Preparedness Guide	Floodplain Management Office and Emergency Management
	D. Natural Resource Protection	Objective 2.D.1: Protect by regulation, acquisition and/or restoration, existing natural areas, particularly in the floodplain.	Enforce land development regulations that protect shorelines. Support acquisition and restoration projects that mitigate flood events. This activity is ongoing.	LDCs; LMS; FMP	County and municipal planning depts.; County Grants Dept.
	E. Structural Projects	Objective 2.E.1: Identify structural projects where appropriate that minimize	Update Comprehensive Plan Capital Improvements Elements; local capital	County and municipal Comprehensive	County and municipal Planning, Eng,

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Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
		flooding loss.	improvement programs; and LMS project lists on an as needed basis.	Plans and capital programs; LMS	and Public Works Depts; County Grants Dept
Goal 3: Minimize storm wind losses throughout the county.	A. Preventive Measures	Objective 3.A.1: Enforce the adopted Building Code with regard to wind resistance.	Continue to enforce the Florida Building Code. This activity is ongoing.	Building Code	County Building Dept.
	B. Property Protection	Objective 3.B.1: Continue to utilize federal and state programs to encourage and provide incentives to private property owners to harden homes against wind damage.	Continue to support area non-profits such as Rebuild NWFL and Community Action of Pensacola to assist property owners in hardening their homes against wind damage. This activity is ongoing.	LMS	County Building Inspections, Grants and Housing Depts.
	E. Structural Projects	Objective 3.E.1: Identify structural construction techniques that minimize wind loss damage to critical facilities and infrastructure.	Each local government, through update of the LMS and CEMP will assess the status of critical facilities. This activity occurs every 4-5 years.	CEMP, LMS	County Emergency Management, Engineering, and Public Works; municipal city and town managers, Public Works, and Utility Depts.

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Goals	Activity Class	Objectives	Actions	Implementation Documents	Agency/Depts.
Goal 4: Minimize wildfire losses in the forest/urban interface areas.	A. Preventive Measures	Objective 4.A.1: Enforce adopted building codes related to fire protection.	The County, in conjunction with municipalities and fire districts, will enforce the adopted building code. This activity is ongoing.	Building Code	County Building Dept; fire districts
	A. Preventive Measures	Objective 4.A.2: Evaluate the adoption of “firewise” policies to minimize risk.	The County and municipalities will evaluate firewise policies for inclusion in LDCs or provision of educational materials.	LDC	County and municipal Planning Depts.
	D. Natural Resource Protection	Objective 4.D.1: Conduct prescriptive burning programs in forested areas.	Carry out controlled burning, mechanical vegetative thinning, and timber thinning policies of local forest management plans. This activity is conducted on an as needed basis.	Forest management plans	FI Forest Service; County Emergency Management

Structural Projects

This section of the LMS contains the compilation of the structural project initiatives that are the result of the planning efforts by the Santa Rosa County LMS Task Force. In general, structural projects are completed as funding becomes available through grants or other local sources. The county and municipalities continue to be reliant upon grants but have access to local funds such as the Local Option Sales Tax (LOST), when passed by county voters, and municipal stormwater utilities fees which have been the source of matching funds in some cases.

A. The Planning Process:

The processing of any proposed structural mitigation initiative begins with the sponsoring jurisdiction completing a mitigation initiatives application. Included in the application are cost estimates for the initiative, a description of the geographic area and/or the population impacted by the initiative, a vulnerability assessment for the impacted area, and other general information regarding the initiative.

B. Structural Mitigation Initiatives Prioritization Process:

Upon submittal of the completed application, the LMS Task Force Support Staff reviews the application for completeness and calls a meeting of the LMS Task Force Scoring Working Group to score or review the scores submitted by the applicant. Municipalities are encouraged to submit score sheets with their applications since they are most familiar with the initiative. If submitted, the Working Group reviews them for consistency and may adjust the scores. The Working Group usually consists of representatives of the jurisdiction submitting the application, county Grants, Public Works, Engineering and Emergency Management. Other representatives may come from Planning and Zoning and Floodplain Management.

The scores come from the STAPLEE process, which is a set of questions for each initiative based upon the following categories: **S**ocial, **T**echnical, **A**dministrative, **P**olitical, **L**egal, **E**conomic, and **E**nvironmental. Currently, 38 questions are scored for each initiative. The STAPLEE process is used for structural and non-structural initiatives. Generally, the more that is known about an initiative, the higher it scores. For instance, an initiative that is only in the concept phase will score lower than one that has been through design. In the latter case, more is known about the project definition, its technical feasibility, its cost effectiveness, its overall effectiveness, its public acceptance and political support, and its economic and environmental impacts. The STAPLEE process was adopted by the LMS Steering Committee in 2017 after reviewing processes used by other jurisdictions in Florida. The STAPLEE scoring questionnaire is available in Table 4-5.

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Once the initiative has been scored by the Working Group, the score and recommended ranking are presented at the next LMS Task Force meeting. The recommended ranking based on the STAPLEE process may be changed by the LMS Steering Committee. Following consensus and a vote of the LMS Task Force Steering Committee to approve – or alter, based on additional discussion of the criteria - the ranking, the initiative is added to the current ranked list of initiatives.

While much effort goes into the prioritization of initiatives, it would be a mistake to assume the higher priority initiatives are funded before the lower priority initiatives. A lower ranked initiative may be funded earlier because it better meets the requirements of a grant opportunity. Also, in a post-disaster environment, priorities have been changed for a variety of reasons. Prioritization is dynamic and can change in accordance with immediate needs or opportunities. The list in Table 4-2 is a starting point and is updated at least annually with the annual report to the Florida Division of Emergency Management. Likewise, scoring and initiative ranking can be amended at any time by a consensus of the LMS Task Force Steering Committee when the sponsoring entity provides new information about an initiative.

C. Actions Taken after a Project is Placed on the Structural Initiatives and Priorities List:

Once a structural project is funded, whether from grants or local funds, or a combination, it is placed on the “in progress list.” This includes projects under design or construction, phase I or II. Non-structural initiatives may remain on the prioritized list because they are often recurring and need funding annually. Examples are educational initiatives. Table 4-3 is the “in progress” list.

D. Completed and Currently in Construction Structural Mitigation Initiatives:

After a structural initiative has been completed, it is moved to the completed/deleted list. Deleted initiatives are generally those that local jurisdictions have withdrawn for a variety of reasons. For example, the issue was resolved by in-house public works rather than undertaking a new project. The completed/deleted list serves as a history of the actions taken to mitigate natural disasters. Table 4-4 is the completed/deleted list.

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Table 4-2: Mitigation Strategy – Prioritized Initiative Listing

STAPLEE Rank	Project Name	Project Description	Hazards Mitigated	Mitigation Goals Achieved	Proposal Date	Total Cost	Amount of Grant Funding Sought	Potential Funding Source	Anticipated Time line from Initiation	Status	Agency Responsible for Implementation	LMS Points	Required Matching Portion	Funding Status
1	NSRRWRF - Wastewater Treatment Plant Decommissioning	Final phase of the larger North Santa Rosa Regional Water Reclamation Facility, to include acquisition of 2.0 MGD biological nutrient removal cell, regional lift station, and decommissioning/demolition of existing plant.	Flooding	Objective 2.E.1	Aug-21	\$12,536,820	\$9,402,615	HMGP; Defense Community Infrastructure Program; American Rescue Plan Act; RESTORE Program; Local	2 years	Pending Funding	City of Milton Administration	45	\$3,134,205	Seeking funding sources.
2	North Santa Rosa Regional Water Reclamation Facility - Milton	Replaces the existing wastewater treatment plant on the Blackwater River with a new wastewater reclamation facility on 24.9 acres near the county sheriff's office in East Milton. Project provides expanded capacity for wastewater treatment, allowing for future growth/economic development, and provides for a cleaner Blackwater River and Bay by further treatment of wastewater and more capacity for septic to sewer conversions. Existing plant on the Blackwater River, vulnerable to overflows of untreated sewage during flooding, will be demolished.	Flooding	Objective 2.E.1	3/1/2005 and updated Dec 2017	\$30,900,000	\$22,500,000	Defense Community Infrastructure Program; American Rescue Plan Act; RESTORE Program; Local funding	2 years	Design complete.	City of Milton Administration	44	\$7,725,000	Seeking various funding sources. Currently unfunded.
3	Blackwater River Erosion Control	Stabilizes and protects the shoreline along Russell Harbor Landing Park, which is currently eroding. The road next to the river is cracking, indicating destabilization. Temporary patches are being made to the road and bulkheads installed, but the temporary bulkheads are not the best solution environmentally, and in the long term could create more problems. A permanent, more environmentally sound solution needs to be found.	Erosion	Objective 2.E.1	Updated 2009 and Jan 2018; Cost updated Aug. 2021	\$618,000	463,500	Hazard Mitigation Grant Program, Public Assistance (404/406)	2 years	Pending Funding	City of Milton Public Works	42	\$154,500	On hold pending funding
4	Community Center Expansion - Retrofits and Code-Plus Upgrades	Expand the existing Milton Community Center to add space for special needs and pets. Install stairs and ramps to provide for pedestrian and vehicular access to existing upper parking area to the Milton Community Center which is a primary community evacuation shelter.	Multi Hazard	Objective 1.E.1	Updated Jun 2009 and Dec 2017; Revised cost estimate for mitigation components Aug. 2021	\$900,000	\$675,000	HMGP; Local funds, CDBG	2 years	City has spent \$45,000 on planning. Design is expected to be \$600,000. Will match 50% of design cost or \$300,000	City of Milton Public Works	41	\$225,000	On hold pending funding
4	Gilmore Basin Gravity Outfall	Install piping to provide positive gravity outfall for the following areas: Gilmore Drive, San Carlos Avenue, Hampton Street, York Street, Navarre Street, Warwick Avenue and others.	Flooding	Objective 2.E.1	4/30/2014 and updated Feb 2018	\$3,200,000	\$1,600,000	HMGP	2 years	Design is funded and should be completed before grant funds are awarded.	City of Gulf Breeze Public Works	41	\$1,600,000	In design
5	Locklin Lake Dredging and Byrom Street Drainage	Remove excess sediment from Locklin Lake; construct situation control structure and improve stormwater system collection and treatment system.	Flooding	Objective 2.E.1	Updated Jun 2009 and Jan 2019	\$1,500,000	\$0	FLDEP legislative grant/appropriation	2 years	FDEP Legislative Grant	City of Milton Public Works	41	\$375,000	In progress
5	Tom King Bayou East Branch Channel Restoration	Phase II construction of TKB-3 from the Holley by the Sea Drainage Improvements Plan, Jan 2016. Consists of regrading the channel, clearing overgrowth and armoring as necessary for 6,900 linear feet from Valley Road (close to Summit Drive) to Basswood Drive.	Flooding	Objective 2.E.1	3/1/2019 and rescored Oct 2020	\$6,700,000	\$5,025,000	Local Option Sales Tax	2 years	Design is underway.	Santa Rosa County Engineering	40	\$1,675,000	Design fully funded. Partial funding has been identified in the county budget for construction.

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6	Shoreline Park Drainage Improvements	Install piping to provide a positive gravity outfall for Shoreline Park. Shoreline Park serves as the stormwater collection point for 110 acres of Gulf Breeze residential property, including South Sunset Blvd., Poinciana Rd., Dolphin Ave., Palmetto Rd., Loruna Drive, and others.	Flooding	Objective 1.B.2	2015 and updated Apr 2018; Cost estimate updated Aug. 2021	\$1,200,000	\$900,000	Local funds, HMGP	2 years	Feasibility Study Completed; Pending construction funding	City of Gulf Breeze Public Works	39	\$300,000	Pending construction funding
6	Conecuh Street Bridge Replacement	Replace the existing wooden bridge with a concrete structure.	Multi Hazard	Objective 1.B.2	1999 and updated	\$500,000	\$0	Hazard Mitigation Grant Program; FDOT	2 years	Pending funding source (potential HMGP, DOT)	City of Milton Public Works	39	\$125,000	On hold pending funding
7	Ranchettes/Northridge/Whisper Bay Drainage Improvements	Phase II construction and construction management services to include conveyance ditches, shoulder gutters, storm sewer inlets and infrastructure, and a new stormwater pond.	Flooding	Objective 1.B.2	2014, updated June 2020; Cost estimate revised Aug. 2021	\$2,080,000	\$1,560,000	Hazard Mitigation Grant Program; American Rescue Plan Act	2 years	Phase I design complete. Acquisition of rights-of-way nearly complete. Awaiting grant opportunity for Phase II construction.	Santa Rosa County Engineering	37	\$520,000	Awaiting grant opportunity
7	Ashmore Drainage Improvements	Construction of 2-acre wet detention pond and collection/conveyance swale to the north of the Ashmore subdivision. Conveyance system to the south will provide for runoff that exceeds the storage capacity of new pond and swale. Overflow discharge system will interconnect with the existing Ashmore Drive pond. New conveyance pipes will be installed to allow discharges from the interconnected detention system to cross Berryhill Road and discharge into the existing open channel conveyance system to the south.	Flooding	Objective 1.B.2	Aug. 2021	\$1,393,260	\$1,044,945	HMGP; American Rescue Plan Act; Local Funds	2 years	Design is underway; seeking construction funding	Santa Rosa County Engineering	37	\$348,315	Awaiting grant opportunity for construction
7	Ranchettes Square Subdivision Sewer Extension	Extension of sewer service from South Santa Rosa Utilities Service (SSRUS) at Tiger Point to Ranchettes subdivision, 7,299 linear feet including abandonment of 199 existing septic tanks. Some flooding could still occur with the new drainage system since it had to be scaled back. Septic tank failure occurs during flooding and contaminates stormwater entering Pensacola Bay.	Flooding	Objective 2.E.1	2005, updated September 2020	\$1,927,789	\$481,947	Hazard Mitigation Grant Program; Community Development Block Grant	2 years	Awaiting grant opportunity	Santa Rosa County Engineering	37	\$1,445,842	On hold pending funding
8	City Warehouse Hardening	Install storm shutters on front door, side glass by front door, large window in warehouse clerk's office and large window in middle office area. Harden side light panel on the entire building. Install emergency generator for preservation of supplies.	Hurricane	Objective 3.E.1	Updated June 2009 and Sept 2018	\$150,000	\$0	Hazard Mitigation Grant Program; Community Development Block Grant	1 year	Pending funding source (potential HMGP, CDBG)	City of Milton Public Works	37	\$37,500	On hold pending funding
9	Wind Retrofits	Wind retrofit of 200 homes in Santa Rosa County with items such as shutters, exterior door bracing, roof deck attachment, and gable end bracing.	Hurricane	Objective 3.E.1; Objective 3.B.1	4/8/2005, updated Mar 2018; Cost revised Aug. 2021	\$2,020,043	\$1,515,032	Hazard Mitigation Grant Program; Hurricane Loss Mitigation Program	1 year	On hold pending HMGP grant application	Rebuild NWFL	35	\$505,011	On hold pending HMGP Funding
9	Florida Town Seawall/Shoreline Stabilization Phase II Construction	This project would help protect the Florida Town shoreline from erosion during flooding and storm surge events. During Phase I Design, different alternatives were explored and the preferred alternative selected. In Phase II, the preferred alternative is implemented.	Multi Hazard	Objective 1.E.1	3/22/2005, updated Apr 2019	\$120,000	\$80,000	FLDEP Resilient Coastlines Program	1 year	\$75,000 awarded for design/planning under Florida Resilient Coastlines Program. Another grant of \$120,000 was awarded for implementation.	Santa Rosa County Environmental	35	\$126,338	

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9	Comprehensive Disaster Guide	Santa Rosa County has a comprehensive Disaster Guide produced and distributed throughout the county. The guide provides information on all hazards that affect Santa Rosa County. Additionally, the guides contain preparedness information to educate citizens on what to do in cases of emergency and mitigation information. This guide can also be found in digital form on the Santa Rosa County emergency management webpage. It is updated as needed.	Multi Hazard	Objective 1.C.1	1/1/2011, updated Aug 2020	\$20,000	County Funded	Local funds	On-going/Annual effort	Ongoing Program with an annual update of the Guide	Santa Rosa County Public Safety	35	\$20,000	Ongoing County Funded
9	Garcon Point Wildfire Mitigation: Strategic Corridors	Lease or rent equipment in order to work with landowners (state, local and private) to create a series of tactically situated fire breaks throughout the Garcon Point peninsula. These fire breaks would require periodic maintenance at a continued cost to the grant recipient(s).	Wildfire	Objective 4.D.1	8/26/2010, updated Oct 2020	\$137,700	\$103,275	Hazard Mitigation Grant Program - Post Fire	1 year	Pending funding source (Mitigation Grant)	Santa Rosa County Public Works/Engineering/Florida Forestry Service	35	\$34,425.00	Awaiting grant opportunity
9	Coastal Resiliency Road Map	This project develops a master plan of feasible projects which utilize green infrastructure and nature-based solutions to mitigate against natural hazards. It will prioritize vulnerable areas identified through past efforts and produce cost estimates, providing the county a strategic direction for implementing mitigation solutions that align with FEMA's prioritization of environmentally conscious hazard mitigation initiatives	Multi Hazard	Objectives 1.D.1, 1.D.2 and 1.E.1	Oct-20	\$200,000	150,000	Building Resilient Infrastructure and Communities Program	2 years	Grant application to be submitted. Due January 29, 2021	Santa Rosa County Environmental	35	\$50,000	Awards to be announced June 2021
9	Navarre Water System Upgrade for Firefighting	Install 65 hydrants and properly sized potable water lines in Voting Districts 26, 29, and 34 where fire hydrants are non-existent within neighborhoods, inadequate for housing density, or do not meet county and NFPA-1 requirements.	Wildfire	Objectives 1.A.1, 1.B.2 and 4.A.1	Oct-20	\$455,000	\$41,250	Hazard Mitigation Grant Program, Community Development Block Grant	2 years	Awaiting grant opportunity	Holley by the Sea Homeowners Association (HBTS HOA) in partnership with Santa Rosa County Engineering or Holley-Navarre Fire Dept.	35	\$113,750	Awaiting grant opportunity
10	Metron Estates Drainage Improvement	Minimize future structural damage from flood events and reduce severe erosion and sedimentation by retrofitting existing stormwater pond and existing outfall control structure/pipe, expanding a pond and installing new drainage infrastructure, stormwater pump station and force main system.	Flooding and Erosion	Objective 2.E.1	6/30/1999, updated March 2018	\$3,619,875	\$2,714,906	Hazard Mitigation Grant Program	1 years	Nearing design completion. In right of way property acquisition phase. Over \$333,741.90 had been spent as of May 23, 2020 on design and HMGP application	Santa Rosa County Engineering	34	\$904,969	Have submitted two HMGP applications and one PDM application.
10	Santa Rosa County Support Alliance For Emergency Readiness Program	Santa Rosa County has a public private partnership COAD (Community Organizations Active in Disasters) called SAFER (Support Alliance For Emergency Readiness) Santa Rosa. SAFER is a 501(c)3 organization. SAFER has several committees including business continuity and unmet needs. SAFER is one of the mechanisms used by the Division of Emergency Management to communicate with non-profits and businesses in the community on issues related to preparedness, response, recovery, and mitigation.	Multi Hazard	Objective 1.C.1	1/1/2011, updated Aug 2020	\$12,000	County Funded	Local funds/donations	On-going/continual	Ongoing Program	Santa Rosa County Public Safety	34	\$3,000	Ongoing with grant, county funds or a combination of funding
10	Pressure Sensitive Water Shut-off Valves	Purchase and implementation of pressure sensitive water cutoff valves at 26 locations to decrease contamination of water systems during flooding and hurricane events.	Flooding Hurricane	Objective 1.B.2	1/13/2005, updated Oct 2020	\$286,000	\$143,000	HMGP, CWSRF	1 year	Pending funding source (Potential HMGP, CWSRF)	Gulf Breeze Public Works	34	\$ 143,000	On hold pending funding

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11	Public Works Equipment Warehouse Expansion and Reinforcement	Expand and reinforce existing Public Works building to protect vehicles and equipment needed for emergency response and recovery across northern Santa Rosa County.	Multi Hazard	Objective 1.E.1	1/31/2005, updated January 2018	\$300,000	\$225,000	HMGP	1 year	Seeking funds	Town of Jay Administration	33	\$75,000	Seeking various funding sources. Currently unfunded.
11	Upgrade Water System for Fire Protection	There are many potable water lines within the City of Milton water service area that are of inadequate capacity to provide fire protection. In some places within the water system there is an inadequate number of fire hydrants for the heavily populated areas. This mitigation measure will include upgrading potable water lines to proper size for fire protection as well as adding the additional hydrants needed to provide adequate fire protection.	Fire	Objective 1.B.2	1999, updated June 2020	\$585,010	\$438,758	HMGP, CWSRF	2 years	pending funding source Some filed with CDBG, approved, work begun. Remainder needs to be completed (potential HMGP, CWSRF)	City of Milton Public Works	33	\$146,252	Awaiting grant opportunity
11	Clayton Lane/Park Lane Drainage Pipe	Provide new storm drain pipe (existing is crushed), 1500 L.F. street paving, curb & gutter, and relocate utilities.	Flooding	Objective 2.E.1	1999, updated Aug 2020	\$82,400	\$61,800	HMGP	1 year	pending funding source (potential HMGP)	City of Milton Public Works	33	\$20,600	Awaiting grant opportunity
11	Non-profit shutters on Bagdad Museum Complex	Place shutters on the windows on the public-use buildings in the Bagdad Museum Complex.	Severe storms including hurricane winds, tornados	Objective 3.B.1	Prior to 2011, updated Oct 2020	\$21,700	16,275	HMGP	1 year	pending funding source (Potential HMGP)	SRC Grants Dept. in partnership with Bagdad Historical Society	33	\$5,425	Awaiting grant opportunity
12	Shoreline Drive/Daniel Drive Traffic Signal Mast Arms	Replace the existing wire-strung traffic signal with a mast arm signal to improve safety and traffic operations at the school entrance after a large scale event.	Severe storms including hurricane winds, tornados	Objectives 1.B.2 and 3.E.1	3/14/2005, updated Oct 2020; Cost revised Aug. 2021	\$592,016	\$444,011	HMGP	1 year	Pending funding source (Potential HMGP, local funding)	City of Gulf Breeze Public Works	33	\$148,003	Awaiting grant opportunity
12	Garcon Point Seawall/Shoreline Protection Design	Similar to the design work for the Floridatown shoreline protection, this project is to develop alternatives and select the preferred alternative to protect the boat ramp, parking area, and access road, and to reduce erosion of the Garcon Point Peninsula where State Road 281 (Avalon Boulevard) approaches the Garcon Point Bridge.	Flooding	Objective 1.E.1	22-Mar-05	\$120,000	\$90,000	FLDEP Resilient Coastlines Program	1 year	pending funding source (Potential Coastal Resiliency Grant)	Santa Rosa County Environmental	32	\$30,000	Awaiting grant opportunity
13	Richardson Street Pond Improvements	Enlarge Richardson Street Pond to the north on approximately 8 acres of undeveloped property to handle approximately 3,000,000 cubic feet of storm water. Project includes pump station near Richardson Street to manage storm event water volume increases.	Flooding	Objective 2.E.1	Jan-20	\$1,900,000	\$1,425	HMGP	1 year	Project D in City's Stormwater Plan	City of Milton Public Works	31	\$475,000	Awaiting grant opportunity
13	Expansion of Emergency Management Building, Phase I	Planning, design, construction plans, permitting and bid services to expand the emergency management building to house the functions of public safety, emergency management, EOC activation, and public information office. Planning will include development of alternatives such as building up, building out or adding another facility.	Multi Hazard	Objective 1.B.2	2/2/2005, updated Aug 2020	\$600,000	450,000	HMGP, American Rescue Plan Act	1 year	pending funding source (Potential HMGP, EOC)	Santa Rosa County Public Safety	31	\$150,000	Awaiting grant opportunity

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14	Holley by the Sea Water Street Area Drainage Improvements	From the January 2016 Drainage Improvement Study, upgrade culverts and clean area ditches to facilitate southward flow and discharge to US 98 crossing. Install a collection system along Flamingo Drive to improve drainage and to better connect the Perch Street culvert crossing to the outfall.	Flooding	Objective 2.E.1	1-Jun-20	\$490,000	367,500	Local Option Sales Tax	2 years	Conceptual from HBTS Drainage Improvement Study, Jan 2016. Project NP-1	Santa Rosa County Engineering	30	\$122,500	Awaiting grant opportunity
14	Holley by the Sea Sunrise Drive Drainage Improvements	Includes three projects from the Holley by the Sea Drainage Improvements Study, 2016: Channel restorations of Tom King Bayou Middle Branch north and south segments and Sunrise Drive drainage improvements. All three must be accomplished for improved drainage of Sunrise Drive, with the downstream channel restorations accomplished first.	Flooding	Objective 2.E.1	1-Jul-20	\$10,600,000	7,950,000	Local Option Sales Tax	2 years	Conceptual from HBTS Drainage Improvement Study, Jan 2016. Projects TKB-7, TKB-8, and TKB-15. Sunrise Drive was in design but ROW issues resulted in a halt to the project.	Santa Rosa County Engineering	30	\$2,650,000	Awaiting resolution of right of way issues
14	Ward Basin Road Flood Mitigation Study	Study to explore the effectiveness of existing mitigation efforts, not limited to building code, home elevations, and stormwater drainage infrastructure. Area is vulnerable to flooding from heavy rainfall events and storm surge.	Flooding	Objective 2.E.1	1999, updated Sept 2020	\$300,000	\$ 225,000	Local Funds	2 years	Needs study similar to Holley by the Sea Drainage Improvement Study	Santa Rosa County Engineering/Development Services	30	\$75,000	Awaiting grant opportunity
14	Broad Street Area Drainage Improvements Phase 1 Design	Project development and design to mitigate flooding from heavy rainfall events and storm surge. Project location is at outfall of Locklin Drainage Basin to the Blackwater River.	Flooding	Objective 2.E.1	1999, updated Sept 2020	\$60,000	45,000	Local Option Sales Tax, HMGP	2 years	Need project development and design	Santa Rosa County Engineering	30	\$15,000	Awaiting grant opportunity
15	Holley by the Sea Crittenden Drive Area Drainage Improvements	Projects identified in the Holley by the Sea Drainage Improvement Study, Jan 2016 to upgrade culverts and clean ditches to facilitate drainage at the East Bay Blvd. crossing. Also, a relief pipe system will be installed along Crittenden Drive from Ferris Drive to Valerie Lane to collect and discharge runoff previously routed to the Donald Drive pond.	Flooding	Objective 2.E.1	1-Mar-18	\$430,000	322,500	Local Funds	2 years	Conceptual from HBTS Drainage Improvement Study, Jan 2016. Project LE-1	Santa Rosa County Engineering	29	\$107,500	Awaiting grant opportunity
15	Shutters and Generators for County Buildings - Study, Design and Installation	Shutters for sheriff's office, probation building, and libraries. Emergency back up power for Public Works, Public Services, County Engineering and County Auditorium.	Multi Hazard	Objectives 1B.2 and 3.E.1	Apr 2005, updated Aug 2020	\$225,000	168,750	Local Funds, FEMA PA (404/406)	1 year	Need initially identified in FEMA Long Term Recovery Plan, 2005. List has changed over the years.	Santa Rosa County Facilities Management	29	\$56,250	Awaiting grant opportunity

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16	Install Mast Arm Traffic Signals at Intersections on State Highway System	Replace wire-strung traffic signals with mast arm traffic signals at 30 intersections on US 90, US 98, SR 87, SR 89 and SR 4 to reduce traffic congestion and maintain traffic safety during hurricane preparedness, evacuation and recovery.	Severe storms including hurricane winds, tornados	Objective 3.E.1	Apr 2005, updated Aug 2020	\$4,240,000	3,180,000	Local Funds, FDOT Grants	1 year	Need initially identified in FEMA Long Term Recovery Plan, 2005, for intersections on marked hurricane evacuation routes.	Florida Department of Transportation/Santa Rosa County Public Works	28	\$1,060,000	Submit request to FL-AL Transportation Planning Organization to add this to project priorities.
17	Holley by the Sea Williams Creek West Channel Restoration and Basin Drainage Improvements, Projects WCW-1 through WCW-4.	Initiative has four parts: (1) Palmetto Drive Drainage System WCW-1, (2) Aurora Street to Resort Street Drainage Improvements WCW-2, (3) William Creek West Channel Restoration WCW-3, and (4) Sandstone Street South Channel Improvements WCW-4. The project numbers are as identified in the Holley by the Sea Drainage Improvement Study, Jan 2016.	Flooding	Objective 2.E.1	Apr-18	\$4,160,000	3,120,000	Local Funds	2 years	The Williams Creek West Channel Restoration WCW-3 is in design with the project name West Williams Creek Channel Restoration. As of Aug 31, 2020, \$134,890.10 had been spent. 90% construction documents were 87% complete and permitting was 80% complete.	Santa Rosa County Engineering	26	\$1,040,000	West Williams Creek West Channel Restoration in design funded by county LOST. Seeking funds for construction and for the other three projects.
17	Fox Den Subdivision / Prynania Circle Stormwater Feasibility Study	Develop engineering solutions to provide positive drainage from Fox Den Villages Phases II, and III to the existing drainage conveyance system along US 98.	Flooding	Objective 2.E.1	Jul-20	\$600,000	\$450,000	Local Funds	1 year	County Public Works performed maintenance on the west side of Fox Den which provided some relief, but the east side of the subdivision needs further investigation.	SRC Public Works/Engineering	26	\$150,000	Awaiting grant opportunity
17	Public Education: Mitigation for Windstorm Damage and Flooding - SRC	To deliver educational programming to the community regarding flood mitigation and to monitor REBUILD's ability to deliver to the public windstorm mitigation information/resources including topics such as building codes, wind-load design and wind resistant technology.	Flooding and severe storms including hurricane winds, tornados	Objectives 1.C.1, 2.C.1 and 3.B.1	1999, updated Sept 2020	\$0	0	Project involves in-house efforts but remains on the initiative list should the effort require additional funding	Continual/On-going	County Emergency Management and Floodplain Manager conduct educational outreach regarding flood topics. Windstorm educational outreach is primarily through REBUILD. REBUILD is downsizing but has grants pending. It still provides education through its website.	SRC Floodplain Management in coordination with REBUILD NWFL	26	\$0	Monitor REBUILD's website. If taken down, county will most likely need to take over windstorm mitigation public education.
18	Public Education: Mitigation for Windstorm Damage - Milton	Provide windstorm damage mitigation and hurricane preparedness educational programming to the community and also to deliver information/resources regarding building codes, wind-load design and wind resistant technology to the building/construction industry	Severe storms including hurricane winds, tornados	Objective 1.C.1	Updated June 2009 and Aug 2020	\$400,000	\$300,000	Local funds and in-kind efforts; potentially HMGP	1 year	Pending funding source (potential HMGP)	ty of Milton Administrati	25	\$100,000	On hold pending funding
18	Elevation of Flood-prone Structures throughout County	Elevate eligible flood-prone privately-owned structures subject to recurring flooding when neighborhood drainage projects are not feasible.	Flooding	Objectives 1.B.1 and 2.B.1	1/31/2005, updated Sept 2020	Depends on applications from residents	Depends on applications from residents	Flood Mitigation Assistant (FMA), HMGP	3 years	The county has worked with FEMA and the state through the Flood Mitigation Assistance (FMA) program to elevate 19 homes as of Oct 2019. It applies for grants when they are available and homes are eligible.	SRC Grants Dept & Floodplain Management Office	25	Depends on applications from residents	Grant applications have been submitted for two homes and are pending approval by DEM/FEMA.
18	Pine Blossom Rd north of Country Squire to SR 89 Drainage Improvements	Enhance the stormwater conveyance system to eliminate/reduce flooding of homes, property and streets. This area experiences serious flooding after heavy rain events.	Flooding	Objective 2.E.1	1999, updated 4/13/2005, updated Sept 2020	\$4,600,000	3,450,000	Local funds, HMGP	2 years	Extensive road and yard flooding was reported north of Birley Lane and home flooding on Cherokee Road east of Pine Blossom Road from Hurricane Sally.	Santa Rosa County Engineering	25	\$1,150,000	On hold pending funding
19	Sheridan Woods and Surrounding Area Drainage Improvement	Experiences chronic flooding of residences back to 2014.	Flooding	Objective 2.E.1	27-Jul-17	\$300,000	\$225,000	Local funds	2 years	Funds needed for design	Santa Rosa County Engineering	15	\$75,000	Design needed. No funds identified.
19	Highland Woods Manor and Surrounding Area Drainage Improvement	Experiences chronic flooding of residences back to 2014.	Flooding	Objective 2.E.1	27-Jul-17	\$300,000	\$225,000	Local funds	2 years	Funds needed for design	Santa Rosa County Engineering	15	\$75,000	Design needed. No funds identified.
Total STAPLEE Scored and Ranked						\$89,453,777	\$61,509,863						\$24,310,177	

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Table 4-3: Mitigation Strategy – Under Construction/On-Going Mitigation Initiatives

Consolidated Priority	Entity Ranking	Name of Project	Description of Project	Hazards Mitigated	Mitigation Goals Achieved	Funding Source	Amount filed Match (if for grant applicable)	Jurisdiction (Location) ¹	Agency Responsible for Implementation ¹	Proposal Date	Estimated Costs	LMS Points
17	17	Elevation of flood-prone structures	Elevation of two severe repetitive loss homes in 32563 zip code. Project number FMA-PJ-04-FL-2018-012.	Flooding	Objectives 1.B.1 and 2.B.1	2018 Flood Mitigation Assistance (FMA) Program	\$0	SRC	SRC Grants Dept	2005, updated 2020	\$555,160	25

Notes: 1. SRC – Santa Rosa County, Gulf Breeze – City of Gulf Breeze, Jay – Town of Jay, Milton – City of Milton

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Table 4-4: Mitigation Strategy – Completed/Deleted Mitigation Initiatives

Entity	Project Name	Project Description	Hazards Mitigated	Mitigation Goals Achieved	Completion Date	Total Cost	Amount of Grant Funding	Status	Agency Responsible of Implementation
Gulf Breeze	Central - Camelia, Washington	New inlets and stormwater pipes	Flooding	Objective 2.E.1	2016			Completed	Gulf Breeze Public Works Dept.
Gulf Breeze	Central Gulf Breeze (Russ, Dracena, Nightengale, Fairpoint)	Enhance the stormwater conveyance system in several severely impacted areas to eliminate/reduce flooding of homes, property and streets. These areas experience serious flooding after heavy rain events.	Flooding	Objective 2.E.1				Completed	Gulf Breeze Public Works Dept.
Gulf Breeze	Central - Shoreline Park	Gravity pipe under Shoreline at Park - Feasibility report	Flooding	Objective 2.E.1	2015	\$9,600		Feasibility report completed	Gulf Breeze Public Works Dept.
Gulf Breeze	West - Shoreline	Gravity pipe under Shoreline at Navarre St - Feasibility report	Flooding	Objective 2.E.1	2015	\$6,000		Feasibility report completed	Gulf Breeze Public Works Dept.
Milton	Sewage Liftstation SCADA Upgrades	Provide for better response during emergencies and natural disasters to prevent sewer backup and sewage spills	Multi-Hazard	Goal 1.B.2	2016			Completed	Milton Public Works Dept.

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Milton	Potable Water Well Auxiliary Power	Provide for replacement/upgrades of auxiliary power for emergencies and natural disasters	Multi-Hazard	Goal 1.B.2	2016			Completed	Milton Public Works Dept.
Santa Rosa County	Settlers Colony Drainage Improvements	Construction to minimize or eliminate future structural damage and protect approximately 24 homes from harm's way during severe storm events. The proposed drainage improvements will be designed to provide a 100-year level of protection.	Flooding	Objective 2.E.1	2016	\$107,689	\$430,755	Completed	Santa Rosa County Engineering Dept.
Santa Rosa County	Patterson and Pace Lane Drainage Improvements	Installation of storm sewer system (inlets and pipes) in combination with French drains to properly convey stormwater runoff to an existing pond on Overlook Circle. Enhancements to the current ditch systems in order to convey stormwater to the new piping systems. Due to right-of-way constraints, the new storm sewer systems will be placed beneath the existing roadways. Phases I and II.	Flooding	Objective 2.E.1	2014	\$1,412,049	\$1,059,022	Completed	Santa Rosa County Engineering Dept.

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Gulf Breeze	Central - Bear Drive	Replace and enlarge the Bear Drive pumping system	Flooding	Objective 2.E.1	2015	\$320,000	\$0	Deleted - Jurisdiction evaluating alternative mitigation initiatives for submission	Gulf Breeze Public Services
Milton	Acquisition/Elevation/Relocation of Flood Prone Structures	There are homes and businesses along Blackwater River which flood during heavy rain events. Each location would need to be evaluated on a case by case basis to determine the appropriate solution to limit flood damage.	Flooding	Objective 2.B.1	2017	\$1,000,000	\$0	Deleted - Jurisdiction evaluating alternative mitigation initiatives for submission	Milton Public Works Dept.
Milton	Natural Gas System Line Improvements	Provide for looping and interconnection of various natural gas mains throughout the service area to prevent service outage during emergencies or natural disasters.	Multi-Hazard	Objective 1.B.2		\$5,000,000	\$0	Deleted - Jurisdiction evaluating alternative mitigation initiatives for submission	Milton Public Works Dept.
Milton	Incident weather detectors	Lightning devices in parks	Lightening	Objective 1.E.1		\$25,000	\$0	Deleted - Jurisdiction evaluating alternative mitigation initiatives for submission	Milton Recreation Dept.

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Milton	Pet/Small Animal Shelter	Design and construct a pet/small animal shelter to provide refuge during a catastrophic event.	Multi-Hazard	Goal 1.E.1		\$1,500,000	\$0	Combined with another project still on active list	Milton Public Works Dept.
Milton	Water Meter Radio Read System	Provide better response on water leaks during emergencies and natural disasters	Multi-Hazard	Objective 1.B.2	Updated June 2009	\$2,500,000	\$0	Deleted - Jurisdiction evaluating alternative mitigation initiatives for submission	Milton Public Works Dept.
Milton	Update to Comprehensive Stormwater Management Plan - City wide (Basins A-F)	Update needed to the Comprehensive Stormwater Management Plan completed in 1990 including basin delineation, existing flood assessment, hydraulic analysis/calculation/modeling, proposed improvements, prioritization, cost estimates, recommendations for implementation.	Flooding	Objective 1.B.2		\$380,000	\$0	Completed	Milton Public Works Dept.
Santa Rosa County	Intersection of N and W Spencer Field Rd Flooding/ Stormwater	Enhance the stormwater conveyance system in several severely impacted areas to eliminate/reduce flooding of homes, property and streets. These areas experience serious flooding after heavy rain events.	Flooding	Objective 2.E.1		\$1,000,000	\$0	Completed	Resolved in house by Public Works

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Santa Rosa County	DaLisa Road/Kapok Drive Flooding	Improve drainage system for this vital road leading to the landfill, used by large vehicles, creating waves of water into private properties.	Flooding	Objective 2.E.1	2017	\$50,000	\$0	Completed	Resolved in house by Public Works
Santa Rosa County	Maranatha Way/Chipper Lane Stormwater/Flooding	Acquisition of drainage easements, an existing retention pond expansion (land acquisition and construction), and the construction of strategically located inlets, storm sewer systems, and ditch conveyance systems to properly capture and convey the stormwater runoff away from the drainage problem areas. Phase I & II	Flooding	Objective 2.E.1	2019	\$1,521,391	\$1,117,865	Completed	Santa Rosa County Engineering Dept.
Santa Rosa County	Villa Venyce Subdivision (Coronado Dr and Venetian Way) Drainage Improvements	Installation of a new storm sewer system (pipes and inlets) along Lido Boulevard, in the immediate vicinity of the intersection with Venetian Way, as well as a valley gutter strategically located on Coronado Drive. Will prevent/minimize current house, yard and street flooding on Venetian Way, Villa Venyce Court, Lido Boulevard, and Venetian Court. Phases I and II	Flooding	Objective 2.E.1	Jan-20	\$2,848,083	\$2,052,932	Completed	Santa Rosa County Engineering Dept.

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City of Milton	Quick Disconnect for City Traffic Signals	Project proposes to provide 17 traffic lights within the city limits to have quick connection / disconnects installed so that portable generators can be installed to power the traffic lights. Hurricane and other hazards / disasters cause power outages making passage through controlled intersections dangerous. This is especially evident during evacuations and recovery operations. The ability to connect the traffic lights to a source of power will restore operation of the traffic signals.	Multi-Hazard	Objective 1.E.1	Removed from Listing	\$65,000	\$0	Removed from Listing - No longer needed	Milton Public Works Dept.
City of Milton	Westwood and Easy Street Storm Drainage	The drainage ditch needs to be gravel bottom type and the asphalt pavement needs to be raised 6 inches to 1 foot and 200 L.F. of curbing needs to be replaced so that this area can drain to Westwood. Project will benefit 400 people and prevent flooding to property in the area.	Flooding	Objective 2.E.1	Removed from Listing	\$567,000	\$0	Issue no longer exists.	Milton Public Works Dept.
City of Milton	Cedar Street Stormwater Improvement	Provide for additional stormwater improvements/structures to prevent flooding of property and structures during heavy rain events	Flooding	Objective 2.E.1	2019	\$500,000	\$0	Completed	Milton Public Works Dept.

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City of Milton	East Grace Street Drainage	Construct a stormwater management system consisting of ditches, pipes and inlets to control stormwater runoff and eliminate erosion problems	Flooding	Objective 2.E.1	Removed from Listing	\$100,000	\$0	Issue no longer exists.	Milton Public Works Dept.
City of Milton	Collins Mill Creek Flood Management	Improve existing drainage structure and erosion control devices along Collins Mill Creek drainage basin to minimize flooding during heavy rain events	Flooding	Objective 2.E.1	Included in Locklin Lake project.	\$1,500,000	\$0	Included in Locklin Lake project.	Milton Public Works Dept.
City of Milton	Combs Street/Henry Street	Construct new stormwater pipe system to provide positive drainage of stormwater runoff from large storm events (25 year +) which cause flooding of Canal Street, Combs Street and adjacent private property.	Flooding	Objective 2.E.1	2019	\$100,000	\$0	Completed	Milton Public Works Dept.
City of Gulf Breeze	East District - McClure/Shirley Gravity Outfall	Install piping to provide a positive gravity outfall for the following areas located between the Publix Shopping Center and Pensacola Bay: McClure Drive, Shirley Drive, Stearns Street, Robert Avenue, and a portion of Plantation Hill subdivision.	Flooding	Objective 2.E.1				Withdrawn by City - Jurisdiction evaluating alternative mitigation initiatives for submission	Gulf Breeze Public Works Dept.

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Santa Rosa County	Settlers Colony Expansion (Blue Heron Cove and Venetian Island Subdivision)	Construction to minimize or eliminate future structural damage and protect the residents from harm's way during severe storm events. The drainage improvements were designed to provide a 100-year level of protection in the Blue Heron Cove and Venetian Island Subdivisions.	Flooding	Objective 2.E.1	2020	\$6,658,885	\$4,994,163	Completed	Santa Rosa County Engineering Dept.
Santa Rosa County	Bay Street Sewer Extension	Extend sewer service provided by City of Gulf Breeze to Bay Street to a shoreline area that floods often and is high density. A public health issue.	Flooding	Objective 2.E.1	Prior to 2020			Completed to shoreline homes	Santa Rosa County Engineering Dept.
Santa Rosa County	Bernath Place Bridge Hardening	Harden only bridge into the neighborhood.	Hurricane	Objective 3.E.1				Residents voted for a municipal services benefit unit (MSBU) to fund project	Santa Rosa County Engineering Dept.
City of Gulf Breeze	West - North end of Gilmore/Driftwood/Navy Cove/Berry stormwater improvement	New pump station on north end of Gilmore, pond at Berry and Fairpoint. Gilmore Bayou discharge.	Flooding	Objective 2.E.1				Project included in MY IP for RESTORE Act Direct Component Funding	City of Gulf Breeze Public Services

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City of Gulf Breeze	West Fairpoint low pressure stormwater pump stations	For suspect lots on Fairpoint	Flooding	Objective 2.E.1				Withdrawn by City - Jurisdiction evaluating alternative mitigation initiatives for submission	City of Gulf Breeze Public Services
City of Gulf Breeze	Highpoint	Investigate means of discharge.	Flooding	Objective 2.E.1				Withdrawn by City - Jurisdiction evaluating alternative mitigation initiatives for submission	City of Gulf Breeze Public Services
City of Gulf Breeze	Beach Drive Outfall Treatment	Install outfall treatment system of existing stormwater conveyance system.	Flooding	Objective 2.E.1				Withdrawn by City - Jurisdiction evaluating alternative mitigation initiatives for submission	City of Gulf Breeze Public Services
City of Gulf Breeze	Southern Drive Wastewater Sewer Line Extension	Install sewer lines along shoreline area which frequently floods, mitigating damage from flooding and public health risks.	Flooding	Objective 2.E.1				Included in the RESTORE Act Pot 3 State Expenditure Plan as Santa Rosa Sound Water Quality Improvement Program	City of Gulf Breeze Public Services
Santa Rosa County	Channing Woods Subdivision Stormwater Improvement	Enhance stormwater conveyance system in an area that experiences serious flooding after heavy rainfall events.	Flooding	Objective 2.E.1				Withdrawn by County. Insufficient evidence of flooding	Santa Rosa County Grants Dept.

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Santa Rosa County	Norris Road Stormwater Improvement	Enhance stormwater conveyance system in an area that experiences serious flooding after heavy rainfall events.	Flooding	Objective 2.E.1				Withdrawn by County. Insufficient evidence of flooding	Santa Rosa County Grants Dept.
City of Gulf Breeze	West - Eufaula Outfall Treatment	Outfall treatment of an existing stormwater conveyance system.	Flooding	Objective 2.E.1				Project included in MYIP for RESTORE Act Direct Component Funding	City of Gulf Breeze Public Services
City of Gulf Breeze	Camelia/Bear/Navarre/Cumberland/Warwick Stormwater Improvement	Investigation of existing stormwater collection and discharge piping for repair/replacement. Additionally, the pipe will be extended to connect to low spots on York, Cumberland, and Warwick.	Flooding	Objective 2.E.1				Withdrawn by City - Jurisdiction evaluating alternative mitigation initiatives for submission	City of Gulf Breeze Public Services
City of Gulf Breeze	Central - Loruna Catch Basin	Basin engineering and design of added underground drains for tie-in to the Loruna catch basin that will drain areas north of Poinciana.	Flooding	Objective 2.E.1				Withdrawn by City	City of Gulf Breeze Public Services
City of Gulf Breeze	Shoreline Drive Sewer Extension	Installation of a low-pressure sanitary sewer system along a portion of Shoreline Drive including a force main. Involved are the abatement of 61 septic tanks.	Flooding	Objective 2.E.1				Withdrawn by City	City of Gulf Breeze Public Services

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City of Gulf Breeze	Floodplain Roads: Soundview Trail/Deerpoint Road/Chesapeake/T all Pines	Enhance the stormwater conveyance system to reduce/eliminate flooding of homes, property and streets. These areas experience serious flooding after heavy rainfall events.	Flooding	Objective 2.E.1				Pending funding source - Submitted for inclusion in RESTORE Act MYIP	City of Gulf Breeze Public Services
City of Gulf Breeze	Baycliff Drive Septic Tank Abatement Program	Install a low-pressure sanitary sewer system in the Baycliff subdivision including a force main. Involves abatement of 61 septic tanks, Est. cost is \$633K	Flooding	Objective 2.E.1				Withdrawn by City for re-evaluation and resubmission in 2021	City of Gulf Breeze Public Services
City of Gulf Breeze	San Carlos/Gilmore Septic Tank Abatement Program	Install a sanitary sewer system along portions of San Carlos and Gilmore including a lift station and force main. Involves abatement of 58 septic tanks. Est. cost is \$763.5K	Flooding	Objective 2.E.1				Withdrawn by City for re-evaluation and resubmission in 2021	City of Gulf Breeze Public Services

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Table 4 – 5: STAPLEE Scoring Criteria

CATEGORY: SOCIAL				
	Question	Helpful Hints	Scoring Values in Points	Score
1	How critical is the proposed project to the entire community?	Consider public safety, health, economic, environmental or other reasons and extent of “community.”	Critical to county: 4 Critical to municipality or to region of county - north, central or south: 3 Critical to one neighborhood: 2 Not very critical: 1 Minimal: 0	
2	Does the project mitigate a health or safety issue in the community? Mitigate = reduces or eliminates loss of life or property in future disasters. Not simply restoration to normal.	Consider effect on local waters where people swim and fish; reduced risk of flooding, fire, etc.; removal of debris which attracts rodents and can become airborne in high winds; reduced risk of traffic accidents; etc.	Yes: 1 No: 0	
3	If the hazard for which the project proposes to mitigate should occur prior to implementation of the proposed project, are the anticipated impacts of the hazard likely to result in an immediate need?	Consider impacts from previous disasters such as how many people were affected and other economic considerations.	Yes: 1 No: 0	
4	Does the proposed	Check list of critical facilities from	Yes: 1	

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	project benefit a critical facility, critical infrastructure, or a road which is the only entrance and exit?	EM. Examples are fire stations, EMS, hospitals, communications towers, water wells and towers, WWTP's, lift stations, buildings that serve as shelters, nursing homes, and selected government offices. It is listed or plan to be listed?	No: 0	
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CATEGORY: SOCIAL CONTINUED				
	Question	Helpful Hints	Scoring Values in Points	Score
5	Does the proposed project have (or can easily gain) the support and acceptance of the impacted community and is it compatible with present and future community values?	Consider comments from residents and community organizations, newspaper articles and electronic media, community plans. An example is public response to construction of berms on the beach. For community values, check community plans, local newspapers, homeowner association (HOA) websites, etc. Examples of community values are safety, aesthetics, historical preservation, recreation, environment, pro-commercial or industrial, etc.	Public has expressed uniform support: 1 Public has expressed no opinion: 0 Public opinion is mixed: 0 Public has expressed uniform opposition: -1	
6	Will the proposed project adversely affect minority and low-income populations?	Consider using demographic maps (race, age, income, voting districts). Look for disproportionate adverse effects.	No: 1 Yes: -1	

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7	Will the proposed project disrupt established neighborhoods, break up voting districts, or cause the relocation of low income people?	Consider using demographic and other maps (voting districts, neighborhood if available). Look for disproportionate adverse effects.	No: 1 Yes: -1	
8	What effects will the proposed project have on cultural, tribal, archeological or historical resources (known or suspected) within the area?	Consult with the University of West Florida, Santa Rosa Historical Society and local Santa Rosa Creek Indians.	Positive effects: 1 No effect: 0 Negative effects: -1	
			SOCIAL TOTAL POINTS	

CATEGORY: TECHNICAL				
	Question	Helpful Hints	Scoring Values in Points	Score
1	Is the proposed project technically feasible considering, for example, acquisition of right-of-way, easements or property that may be necessary?	Rely upon best available engineering and public works expertise. Acquisition of land or easements is considered extraordinary action.	Feasible with no extraordinary actions: 1 Feasible with extraordinary actions: -1 Not feasible at all: -2	
2	How effective is the proposed project in avoiding or reducing future losses for the long term?	Applicant should include information regarding historic or repetitive losses and how the project will mitigate against future losses.	Extremely effective: 2 Effective: 1 Not effective: 0	
3	Will the proposed	A positive effect would occur,	Positive impact: 1	

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	project impact utilities or transportation systems?	for instance, if utilities needed to be replaced or upgraded anyway and could be done as a “goes with” project, saving resources. Similarly, another positive effect would be if sidewalks would be added as a “goes with” project or the project prevents flooding of a road.	No impact: 0 Negative impact: -1	
4	Will it create more problems than it solves?	For example, if a property is purchased, will a vacant lot in a neighborhood give rise to other problems such as dumping, vagrancy, etc. In this case, the problem is solved for one homeowner but another problem is created for the neighborhood.	No: 1 Unknown: 0 Yes: -1	
5	Does the proposed project solve the problem or only a symptom?	Rely upon best available engineering, public works and planning expertise. For example, a neighborhood may want pumps or improved drainage to reduce flooding, but the ultimate solution is to remove homes from areas of repetitive flooding and prevent or modify future construction through zoning or overlay districts. Replacing sheet rock on a house with a leaking roof is another example of solving the	Solves the problem: 2 Solves a symptom: 1	

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		symptom. A pumping station malfunction may be the result of an electric power failure rather than the pump itself.		
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CATEGORY: TECHNICAL CONTINUED				
	Question	Helpful Hints	Scoring Values in Points	Score
6	How long will it take to complete the project and is the time frame reasonable?	Best answered by appropriate staff.	Less than two years and reasonable time frame: 2 Less than 4 years and reasonable time frame: 1 More than four years but reasonable time frame: 0 Unreasonable time frame: -1	
7	Is technical expertise available and at what cost?	Best answered by appropriate staff. As an example, the requirement to hire archeological consultants significantly increases the cost of a project.	Project can be done in-house without consultants: 2 Consultants must be hired but cost is reasonable: 1 Consultants must be hired and cost is extremely high: 0	
			TECHNICAL TOTAL POINTS	

CATEGORY: ADMINISTRATIVE				
	Question	Helpful Hints	Scoring Values in Points	Score
1	Does the entity have the capability (staff, expertise, time, funding) to implement	Does the entity have a proven track record of project management? Does the entity have balance sheets/ profit-loss	Yes: 1 Unknown or not applicable: 0 No: -1	

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	the proposed project? If not, what is lacking?	statements/ IRS Form 990's to show its financial solvency?		
2	Can the entity provide the necessary maintenance of the proposed project in terms of staffing, resources or funding?	Has the entity maintained other similar projects successfully?	Yes: 1 Unknown or not applicable: 0 No: -1	
3	Can the proposed project be accomplished in a timely manner without a drain on entity resources?	Consider if the entity is capable of expanding, if needed, to complete the project.	Yes: 1 Unknown: 0 No: -1	
			ADMINISTRATIVE TOTAL POINTS	

CATEGORY: POLITICAL				
	Question	Helpful Hints	Scoring Values in Points	Score
1	Have political leaders participated in the planning processes so far? Is there a local champion willing to help see the proposed project to completion?	Self explanatory.	Yes to both political participation and local champion: 2 Yes to either political participation or local champion: 1 Unknown: 0 Political leaders opposed: -1	
2	Who are the stakeholders in the proposed project and have all stakeholders	Stakeholders could be residents, HOA's, community organizations, the military in Santa Rosa County,	All stakeholders have been involved: 2 Some stakeholders have been involved: 1	

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	been offered an opportunity to participate in the planning process?	representatives of different local governments, businesses, schools, law enforcement, etc.	No stakeholders have been involved: 0	
3	Will the proposed project comply with comprehensive plan and land use elements, zoning activities, transportation, environmental, flood zone, historical and other long range plans?	Best answered by appropriate staff. Consider if the project would be out of compliance with any known plan.	Yes to all plans: 2 Yes to some plans: 1 Unknown: 0 Out of compliance with at least one plan: -1	
4	Does the proposed project accomplish the desired objective at the "lowest" cost to the public?	Consider alternatives, if any, based on past experience or case studies.	Yes: 1 Unknown: 0 No: -1	
			POLITICAL TOTAL POINTS	

CATEGORY: LEGAL				
	Question	Helpful Hints	Scoring Values in Points	Score
1	Does the proposing entity have the authority to implement the project?	Self explanatory.	Has authority: 1 Does not have authority: -1	
2	Do HOA bylaws apply to the project?	Self explanatory.	HOA bylaws apply and allow the project: 1 HOA bylaws do not apply: 1 HOA bylaws apply and do	

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			not allow the project without an amendment: -1 HOA bylaws apply and do not allow the project: -2	
3	Will the proposed project comply with local, state, and federal regulations?	Self explanatory.	Yes: 1 No: -1	
4	Are the proper laws, ordinances, and resolutions in place to implement the proposed project?	Consider if the project can move forward with amendments to the applicable laws, ordinances, etc. (excluding capital improvements program or element)	Yes: 1 No but amendments are possible to bring the project into compliance: 0 No and amendments are not likely: -1	
5	Are there potential legal consequences or is the proposed project likely to be challenged by stakeholders who may be negatively affected?	Consider the potential for lack of compliance with existing laws and the potential for legal opposition.	No: 1 Maybe or unknown: 0 Yes: -1	
			LEGAL TOTAL POINTS	

CATEGORY: ECONOMIC				
	Question	Helpful Hints	Scoring Values in Points	Score
1	Is funding currently available to implement the proposed project?	Consider if the project is in a capital improvements program (CIP) or budget in the first year, later years or will be added. Fund sources might be local	Yes, full funding is committed within the first year: 3 Yes, funding is spread over the 5 years: 2	

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		government revenue, grants, donations from private sources, or a combination.	Partial funds have been identified: 1 No funds have been identified: 0	
2	Does the cost of the proposed project seem reasonable for the size of the problem and likely benefits?	Consider if a cost estimate has been done. If not, rely upon the best engineering and public works expertise available.	Yes, and a cost estimate has been done: 1 Yes, but a cost estimate has not been done: 0 No, the project cost seems to be unreasonable for the size of the problem and the likely benefits: -1	
3	Has a benefit-cost analysis (BCA) been conducted and can a positive cost effective ratio be demonstrated?	FEMA offers various benefit-cost analysis methodologies in <i>Using Benefit-Cost Analysis in Mitigation Planning</i> (FEMA 386-5). Federally funded projects must be shown to be cost effective.	Yes to both: 2 A BCA has not been conducted: 0 A BCA has been conducted and the cost effective ratio is less than one: -1	
4	What burden will be placed on the tax base or local economy to implement and maintain the proposed project?	Consider if funds must come from local government revenues.	No burden to implement and maintain: 1 Reasonable burden to implement and maintain: 0 Excessive burden to implement and maintain: -1	
5	Does the proposed project contribute to other community economic goals, such as improvements or	An example is the proposed WWTP in East Milton. It will allow for increased development in Milton and East Milton that otherwise would be	Does contribute: 1 No applicable, unknown or no effect: 0 Negative effect: -1	

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	economic development? Will the proposed project generate additional permanent jobs locally?	curtailed because of lack of waste water treatment. Consider job creation from construction, demolition, and operation of the new plant.		
			ECONOMIC TOTAL POINTS	
CATEGORY: ENVIRONMENTAL				
	Question	Helpful Hints	Scoring Values in Points	Score
1	How will the proposed project affect the environment (water, land, endangered species, etc)?	Rely upon best environmental expertise available.	Positive effect: 1 Unknown or no effect: 0 Negative effect: -1	
2	Will the proposed project comply with local, state, and federal environmental laws and regulations.	Rely upon best environmental expertise available.	Yes: 1 Unknown: 0 No: -1	
3	Is the proposed project in a floodplain or wetland or will it directly impact the natural and beneficial functions of a floodplain and wetland?	Check maps and rely upon the best floodplain and environmental expertise available.	Will benefit a floodplain or wetland: 1 Not applicable, unknown or no effect: 0 Negative effect on a floodplain or wetland: -1	
4	Does the project involve issues on a coastal barrier island or coastal high hazard	Development on coastal barrier islands can be complex. Rely upon the best expertise available in planning,	Yes, but the outcome is positive: 1 Not applicable, unknown or no effect: 0	

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	area?	environmental, and engineering.	Negative effect: -1	
5	What effects/impacts will the proposed project have on the quality of surface waters?	An example is moving the treated effluent from the Navarre Beach WWTP from Santa Rosa Sound to the rapid infiltration basins on Eglin Air Force Base.	Positive effect on surface waters: 1 Not applicable, unknown or no effect: 0 Negative effect on surface waters: -1	
6	Is the proposed project consistent with community environmental goals?	Consider the comprehensive plan and community plans or the value the community puts on clean water for drinking and recreation, clean air, heritage trees, proper siting and management of landfills, and lands for hunting and other types of recreation.	Consistent with environmental goals: 1 Not applicable, unknown or no effect: 0 Inconsistent with environmental goals: -1	
			ENVIRONMENTAL TOTAL POINTS	