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2021 CRS Annual Floodplain Management Progress Report

Community Name: Monroe County, Key West, Marathon, Islamorada, Layton

Name of Plan: Monroe County Local Mitigation Strategy

Date of Adoption of Plan: February 9, 2021

5 Year CRS Expiration Date: February 8, 2026

Background

The Board of County Commissioners directed the Monroe County Emergency Management Department to coordinate and facilitate the development of the LMS, and subsequent 5-year updates, in conformance with state and federal guidelines. The plan was developed in a joint and cooperative manner by members of a Local Mitigation Strategy Working Group (LMSWG) which included representatives of Monroe County, Key West, Marathon, Islamorada, Layton, federal and state agencies, citizens, and other stakeholders. This plan will ensure all jurisdictions in Monroe County remain eligible for federal disaster assistance including the FEMA HMGP, BRIC, and FMA programs. The 2021 Update replaces the 2015, 2010 and 2005 Updates of the 1999 LMS.

The plan has been prepared in compliance with Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act or the Act), 42 U.S.C. 5165, enacted under Section 104 of the Disaster Mitigation Act of 2000, (DMA 2000) Public Law 106-390 of October 30, 2000, as implemented at CFR 201.6 and 201.7 dated October 2007. Additionally, the plan meets the requirements set forth by the Florida Administrative Code Chapter 27P-22.

As a requirement to participate in the Community Rating System, the LMSWG must annually evaluate the LMS as their floodplain management planning document. Jurisdictions participating in the CRS program are required to submit, as part of the annual CRS recertification process, an annual evaluation report on the progress in implementing the LMS. This report is prepared to meet Community Rating System Activity 510 Floodplain Management Planning, Element 512.a. Step 10.

A copy of the 2021 Monroe County Local Mitigation Strategy is available at the Monroe County Emergency Management website: <https://www.monroecounty-fl.gov/911/Local-Mitigation-Strategy>

Annual Progress Report Preparation, Distribution and Availability:

This report was prepared by Lori Lehr, CRS Consultant for Monroe County. The Monroe County Local Mitigation Strategy Committee meets quarterly to discuss the progress of action items and mitigation efforts. This progress report reflects the progress goals and objectives in the Local Mitigation Strategy. The meeting agendas and presentation are available upon request.

The annual progress report is made available to all jurisdictions and their governing bodies, the media, and the public via each jurisdiction's website. A copy of the report is sent annually to the State of Florida NFIP Coordinator's office via email.

Implementation of Action Items:

In the post-Irma environment, the LMSWG meets regularly to discuss the mitigation funding opportunities and project implementation. The group also meets to participate in mitigation training. In 2021, the group met in March, July, September, October, and December. Each participating community has a list of mitigation projects specific to the jurisdiction and there are numerous project that benefit all municipalities and their mitigation efforts.

Projects are being ranked and implemented on schedule as funding becomes available. Table 7.1 below indicates the progress of each of the 163 listed projects listed in the LMS Action Plan. The Table was updated in 2021 as part of the LMS update process

Table 7.1 – Mitigation Action Plan

Action #	Jurisdiction(s)	Action Description	Hazard(s) Addressed	Goal & Objective Addressed	Priority	Mitigation Category	Lead Agency / Department	Cost Estimate	Potential Funding Source	Implementation Timeline	2021 Status	2021 Implementation Status Comments
1	Monroe County and municipalities	Saferoom enhancements for County EOC in conjunction with design and construction of new facility. The current facility is shared with the County Commission which presents issues when a Commission meeting is scheduled during a time when an emergency event may be threatening the County.	All	1.2	H	Emergency Services	Monroe County Emergency Management	\$10,000,000	EMPG, HMGP, BRIC, FMA	2 years	Carried Forward	Monroe County estimates that this action is approximately 20% complete; HMGP, FDOT, and State Allocation has been awarded and the project is in the design phase
2	Monroe County and municipalities	Emergency Management Training Programs: The County will conduct regular training for EOC personnel and all emergency response personnel. Provide orientation and training for all designated EOC personnel, including procedures, technology, communications, facility layout, etc. Plan and improve hurricane drills with more realistic scenarios	All	1.2	M	Emergency Services	Monroe County Emergency Management		Staff Time	2022	Carried Forward	Monroe County estimates that this action is approximately 75% complete. Training is ongoing per MYTEPP.
3	5088	Florida Keys Imperiled Water Supply Protection	All	3.2	H	Natural Resource Protection	FKAA	\$9,634,514	HMGP	2023	Carried Forward	FKAA received notice of award. FKAA selected design engineer through RFQ process. FKAA is awaiting for signed agreement with FDEM before proceeding

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4	Monroe County and Municipalities	Production of a Mitigation Program Technical Assistance and Resource Manual: During the Working Groups activities and discussions, it was determined that there was a need for an assistance manual to identify mitigation assistance programs and provide direction on how to apply for funds and grants such as the federal HMGP. This manual would be especially useful to small agencies and private non-profits that are invited to apply for state and federal grants, but may not have the technical knowledge to complete the application process. The manual would also include a listing and description of various government	All	2.2	M	Preventive and Regulatory	Monroe County Planning and Environmental Resources	\$10,000 to \$50,000	FMA, BRIC, HMGP	2 yrs	Carried Forward	No progress has been made toward this action to date.
5	Monroe County and municipalities	As a group, the LMS should coordinate with agencies and utility providers responsible for critical infrastructure to express	Tropical Cyclones, Flood, Sea Level Rise, Coastal Erosion,	2.2	M	Preventive and Regulatory	County/Jurisdictional Planning and	Less than \$10,000	Staff Time	2020-2025	Carried Forward	By including utility organizations as part of the LMSWG, the

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		need to incorporate flood, wind, sea level rise, and coastal erosion protection into infrastructure maintenance, upgrades, and new construction. When infrastructure maintenance and upgrade projects are planned by agencies and utility providers such as Florida DOT or the Florida Keys Aqueduct Authority (e.g., repaving or elevating a road), the Working Group should express an opinion, as appropriate, that mitigation should be considered with the proposed project. These infrastructure investments represent an opportunity to add in a mitigation component like a drainage upgrade during a road	Severe Storm, Tornado/Waterspout, Wildfire, Drought				Engineering Departments					County encourages consideration of hazards by these entities. This is a continually important strategy moving forward.
6	Monroe County and municipalities	Evaluate Hazard Identification and Risk Assessment Tools. The Working Group will evaluate the Hazard Identification and Risk Assessments that were prepared for at least two other counties and determine whether using different tools (e.g. FEMA's Hazards US) would significantly improve the outcomes reflected in the 2010 update. The anticipated update of the Sea, Lake, and Overland Surge from Hurricanes (SLOSH) projections may also influence future	All	3.3	M	Preventive and Regulatory	County Emergency Management Department with Jurisdictional Representatives	Less than \$10,000	Staff Time	2020-2025	Carried Forward	In this update of the plan, the LMS utilized FEMA Hazus technology and incorporated risk information from various community, regional, and state planning efforts. The County will continue to learn from neighboring communities for the next plan update.

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8	Monroe County and municipalities	Verify Repetitive Loss Property Data - Monroe County and municipalities that participate in the CRS will verify the repetitive loss property data obtained from FEMA. The NFIP maintains records of past flood insurance claims and tracks properties that have received multiple claims. These properties and similarly situated buildings present likely opportunities for mitigation. Verifying the data serves two purposes: it helps the NFIP improve its records, and it helps identify Repetitive Loss Areas. Prepare Repetitive Loss Area Maps - Monroe County and municipalities that prepare Repetitive Loss Area Analyses will identify repetitive loss areas within their jurisdiction using the methods described in FEMA/CRS guidance. Identification of Repetitive Loss Areas helps identify property owners who may be interested in reducing	Flood	2.2	H	Preventive and Regulatory	County/Jurisdictional Floodplain Management	\$10,000 to \$50,000	Staff Time	2020-2025	Carried Forward	This action is ongoing in the communities with identified repetitive loss properties. Data verification occurs annually and repetitive loss area maps are updated upon request.
9	Monroe County and municipalities	County-Wide Emergency Back-Up Power Enhancement for Critical Facilities	All	3.2; 1.3	H	Property Protection	Monroe County Public Works	\$6,000,000	HMGP, BRIC	2020-2025	Carried Forward	Under ENG Review, Monroe County estimates 20% progress toward completion
10	Monroe County and municipalities	Acquisition-Demolition of Residential Structures	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Property Protection	County Emergency Management Department with Jurisdictional Representatives	Over \$1,000,000	HMGP, BRIC, FMA, CDBG-DR	2020-2025	Carried Forward	Under ENG Review; to date no progress has been made on this action. Multiple actions from the 2015 initiatives list are contained under this

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11	Monroe County and municipalities	Elevate Buildings Located within Floodprone Areas	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Property Protection	County Emergency Management Department with Jurisdictional Representatives	\$5,225,000	HMGP, BRIC, FMA, CDBG-DR	2020-2025	Carried Forward	FEMA Number requested; multiple actions from the 2015 initiatives list are contained under this larger umbrella
12	Monroe County and municipalities	Residential Mitigation Reconstruction Project	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Property Protection	County Emergency Management Department with Jurisdictional Representatives	\$22,500,000	HMGP, BRIC, FMA, CDBG-DR, HLMP	2020-2025	Carried Forward	To date, no progress has been made on this action; multiple actions from the 2015 initiatives list are contained under this larger umbrella
13	Monroe County and municipalities	Trailer Park Acquisition and Reconstruction Sites A, B, C, D, & F	Tropical Cyclones, Flood, Tornado/Waterspout, Severe Storm, Sea Level Rise	1.3	M	Property Protection	County Emergency Management Department with Jurisdictional Representatives	\$19,625,000	HMGP, BRIC, FMA, CDBG-DR, HLMP	2020-2025	Carried Forward	No progress has been made toward the completion of these sites to date. Each sites unique cost estimate can be found in the prioritized list in
14	Monroe County and municipalities	Wind Retrofit of County Facilities	Tropical Cyclones, Tornado/Waterspout, Severe Storms	1.3	M	Property Protection	Monroe County Public Works	\$8,837,280	HMGP, BRIC, HLMP	2020-2025	Carried Forward	Under ENG Review, this project is considered to be a back-up project
15	Monroe County and Municipalities	Residential Wind Retrofitting Project	Tropical Cyclones, Tornado/Waterspout, Severe Storms	1.3	M	Property Protection	County Emergency Management Department with Jurisdictional Representatives	\$1,925,000	HMGP, BRIC, HLMP, CDBG-DR	2020-2025	Carried Forward	No progress has been made toward this action to date.

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16	Monroe County and Municipalities	Comprehensive hazard mitigation (prevention) education and outreach program targeted to government employees, the construction industry, and trades, and the general public. During the development of the LMS the working group identified the need to provide information about the mitigation concept and how to use it. To address education government employees about the benefits of mitigation awareness, training programs, and materials will be developed. Through this training, agencies' staff will understand the concept of reduction of loss and risk and be able to apply it at their jobs and homes. The project would involve the construction industry by developing educational materials and arranging for seminars through the private sector. Businesses such as private contractors and building supply companies would help arrange for and participate in the programs. Groups such as building officials and public works and construction staff could participate. Local governments will be encouraged to allow their personnel	All	1.1	M	Public Information and Outreach	County Emergency Management Department with Jurisdictional Representatives	\$10,000 to \$50,000	FMA, BRIC, HMGP	2020-2025	Carried Forward	No progress has been made toward this action to date.

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		be submitted to the appropriate authorities to determine eligibility for CEU credits. Finally, a mitigation brochure will be produced and distributed to the public. It will include information about government mitigation programs (such as elevating utilities and techniques to strengthen homes from hazards). Public information campaigns will be targeted at such groups as condo and homeowners associations.										
17	Monroe County and municipalities	Promote hurricane and flood awareness to residents and businesses. Once residents and businesses become more aware of their risk, they are more likely to mitigate their property and support community efforts to mitigate. Risk awareness can be challenging in most parts of Florida with long intervals between events and with new residents moving in. The LMS working group should actively seek effective risk communication information and opportunities to promote steps businesses and residents can take to	Tropical Cyclones, Flood	1.1	H	Public Information and Outreach	County/Jurisdictional Emergency Management / Planning Departments	\$10,000 to \$50,000	Staff Time	2020-2025	Carried Forward	Monroe County has a multi-jurisdictional PPI in place. The County and municipalities continue to use education and outreach throughout the County.
18	Monroe County and municipalities	Replacement of Storm Damaged wastewater treatment facility: locations could include package treatment plants that serve small communities and businesses	All	2.1	M	Structural Projects	Monroe County Public Works	Over \$1,000,000	HMA, FMA, BRIC, HMGP	3 years	Carried Forward	No progress has been made to date on this action.
19	Monroe County and municipalities	County-wide Road Elevation and Drainage Improvements (Phase 1 of 2)	Tropical Cyclones, Flood, Sea Level Rise	2.1	M	Structural Projects	Monroe County Roads and Bridges ; Monroe County Public Works	\$367,200,000	HMGP, BRIC, FMA, CDBG-MIT	2020-2025	Carried Forward	Back-up project; to date no progress has been made toward completion.
20	Monroe County and municipalities	Purchase New Wellfield for water supply to address threat of saltwater intrusion and hypersaline water from FPL cooling canals.	All	2.1	H	Natural Resource Protection	FCAA	\$4,000,000	BRIC, HMGP, CDBG-MIT	2024	New	Project currently in Planning Phase

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21	Monroe County and municipalities	Natural Resources Adaptation Plan	Tropical Cyclones, Flood, Sea Level Rise	2.2	H	Natural Resources Protection, Preventive and Regulatory, Property Protection	Monroe County Planning and Environmental Resources	\$142,000	BRIC, HMPG	3 Years	New	New Project.
22	Monroe County and municipalities	Engine generators at Water Treatment Plant	All	2.1	M	Property Protection	FCAA	\$1,500,000	HMGP, BRIC, HLMP, CDBG	Jun-23	New	Project currently in Planning Phase
23	Monroe County and Municipalities	Hospital Hardening: Evaluate/identify necessary improvements needed to retrofit hospital facilities and perform needed retrofits to mitigate storm damages. Facilities include: Lower Keys Health Systems, De Poo Hospital, Fisherman's Hospital, Mariners' Hospital, Nursing Homes (including Bayshore Manor)	All	1.3	M	Property Protection	LKMC/Baptist Health/Monroe County	Over \$1,000,000	HMGP, BRIC, CDBG-MIT, HLMP		New	New Project.
24	Monroe County	Emergency Communications and Warning Upgrades	All	1.2	M	Emergency Services	Monroe County Emergency Management	\$600,000	BRIC, CDBG-DR, CDBG-MIT, Port Security	2020-2025	Carried Forward	No progress has been made on this action to
25	Monroe County	Phone System/Communications Upgrades	All	1.2	H	Emergency Services	Monroe County IT	\$400,000	BRIC, Port Security	2020-2025	Carried Forward	Monroe County estimates 75% progress toward completion.
26	Monroe County	Department of Health Emergency Operations Center (EOC) in the Tavernier area close to their special needs	All	1.2	H	Emergency Services	Monroe County & State Health Department	\$100,000	EMPG, HMGP, BRIC, FMA	2020-2025	Carried Forward	No progress has been made on this action to date.

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32	Monroe County	Evaluate existing and proposed infrastructure and facilities to identify recommendations to increase resiliency and account for dynamic hazards including flood, wind, sea level rise, coastal erosion, and strong storms. Infrastructure and facilities provide services the whole community depends on for basic functioning. Monroe County will review new projects for recommendations to increase resiliency prior to inclusion in the Capital Improvements Element of the Comprehensive Plan and evaluate options for protecting infrastructure in vulnerable areas. Infrastructure includes new, renovated and replacement public facilities such as streets and bridges, water and wastewater treatment plants, police stations and fire stations, and any other public buildings and facilities. Options may include hardening, elevating, relocating, or not building new	Tropical Cyclones, Flood, Tornado/Water Spout, Sea Level Rise, Coastal Erosion, Severe Storms	2.1	M	Property Protection	Monroe County Emergency Management	\$10,000 to \$50,000	Staff Time	2020-2025	Carried Forward	Monroe County estimates that this action is approximately 80% complete.
33	Monroe County	Murray Nelson Cultural Center Emergency Backup Generator for SpNS Population: Purchase and installation of generator to provide emergency backup power for SpNS sheltering population during all hazard	All	1.3	H	Property Protection	Monroe County Public Works	\$500,000	BRIC, HMGP, CDGB-MIT	2022	Carried Forward	No progress has been made to date on this action.
34	Monroe County	Old City Hall Flood Retrofit: install flood panel system for double doors on Ann Street	Tropical Cyclones, Flood, Sea Level Rise	2.1	M	Property Protection	Historic Florida Keys Foundation	\$15,000	BRIC, HMGP, FMA	2020-2025	Carried Forward	No progress has been made on this action to date.
35	Monroe County	Higgs Beach (KW) Seawall Replacement Project for flood water protection of the	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Structural Projects	Monroe County Public Works	\$1,050,000	HMA, FMA, BRIC, HMGP	2020-2025	Carried Forward	No progress has been made on this action to

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36	Monroe County	Twin Lakes and Sands Subdivision Drainage Improvement and Roadway Elevation Project	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Structural Projects	Monroe County Roads and Bridges/ Engineering	\$3,900,000	HMGP, BRIC, FMA	2020-2025	Carried Forward	Under ENG Review and considered a back- up project. The County intends to submit for BRIC funding.
37	Monroe County	West Martello Seawall Improvements	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Structural Projects	Monroe County Public Works	\$500,000	HMGP, BRIC, FMA	2020-2025	Carried Forward	To date, no progress has been made on this action.
38	Monroe County	Become certified under Emergency Management Accreditation Program	All	1.2	M	Emergency Services	Monroe County Emergency Management	Less than \$10,000	Staff Time	3	new	New Project.
39	Monroe County	Monroe County Handheld Radionuclide Identification Device	Radiological Incidents	1.2	M	Emergency Services	Monroe County Emergency Management	\$15,000	BRIC	2 Years	New	New Project.
40	Monroe County	Portable Radiological Portal Monitors	Radiological Incidents	1.2	M	Emergency Services	Monroe County Emergency Management	\$50,000	BRIC	2 Years	New	New Project.
41	Monroe County	Monroe County Emergency Management Inflatable Decontamination Tent for Emergency Worker Decontamination	Radiological Incidents	1.2	M	Emergency Services	Monroe County Emergency Management	\$50,000	BRIC	2 years	New	New Project.
42	Monroe County	Monroe County complete requirements to achieve Storm Ready recognition from NOAA National Weather Service	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	1.2	M	Public Information and Outreach; Emergency Services	Monroe County Emergency Management	Less than \$10,000	Staff Time	1 year	New	New Project.
43	Monroe County, Marathon, Islamorada, Key Colony Beach,	Marathon Generation	All	2.1	M	Structural Projects	FKEC	\$40,000,000	HMGP, BRIC		Carried Forward	No progress has been made on this action to date.
44	Monroe County, Marathon, Islamorada, Key Colony Beach,	Distribution water crossing overhead to underground	All	2.1	M	Structural Projects	FKEC	\$35,000,000	HMGP, BRIC, FMA		Carried Forward	No progress has been made on this action to date.
45	Monroe County, Marathon, Islamorada, Key Colony Beach,	Main Feeder Pole Replacement	All	2.1	M	Structural Projects	FKEC	\$3,000,000	HMGP, BRIC, FMA		Carried Forward	Under ENV Review

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46	Monroe County, Marathon, Islamorada, Key Colony Beach,	Sea Oats Beach Transmission Line Relocation	All	2.1	M	Structural Projects	FKEC	\$6,500,000	HMGP, BRIC, FMA		Carried Forward	Under FEMA Review
47	Monroe County, Marathon, Islamorada, Key Colony Beach,	Self-Supporting Transmission Poles	All	2.1	M	Structural Projects	FKEC	\$6,000,000	HMGP, BRIC, FMA		Carried Forward	Contract submitted for FDEM execution
48	Monroe County, Marathon, Islamorada, Key Colony Beach,	Transmission Water Structure	All	2.1	M	Structural Projects	FKEC	\$10,500,000	HMGP, BRIC, FMA		Carried Forward	In contracting process.
49	Monroe County and Key West	Improve Satellite Communication	All	1.2	M	Emergency Services	KEYS Energy Services	\$257,190	BRIC		Carried Forward	Reviewing alternatives for internet connection - still in technical development
50	Monroe County and Key West	Storm Hardening of Electrical Service to Critical Government Facilities	All	3.2	M	Property Protection	KEYS Energy Services	\$3,145,000	HMGP, BRIC, CDBG		Carried Forward	The FDEM contract has been submitted to the utility board and is pending approval
51	Monroe County and Key West	Backup Generators for Critical Facilities	All	1.2	M	Property Protection	KEYS Energy Services	\$200,000	HMGP, BRIC, CDBG-DR, CDBG-MIT		Carried Forward	This action is still in progress. To date, 4 locations have been completed.
52	Monroe County and Key West	Harden Material Distribution Center	All	2.1	M	Property Protection	KEYS Energy Services	\$9,262,500	HMGP, BRIC, CDBG-DR, CDBG-MIT		Carried Forward	This action is in progress and is currently bond funded. The new warehouse is under construction.
53	Monroe County and Key West	Transmission Pole Water Crossing	All	2.1	M	Structural Projects	KEYS Energy Services	\$8,171,954	HMGP, BRIC, FMA		Carried Forward	Under ENV Review

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54	Islamorada, Key Colony Beach, Key West, Layton, Marathon	Evaluate protective measures for critical infrastructure and facilities to protect against dynamic hazards including flood, wind, sea level rise, and strong storms. Critical facilities provide services that the whole community depends on for basic functioning. The communities will evaluate the need for protecting critical facilities and infrastructure and address as needed.	All	2.1	M	Property Protection	Jurisdiction Engineering/Public Works	\$10,000 to \$50,000	Staff Time	2020-2025	Carried Forward	Islamorada: Facilities to be addressed have been identified (fire stations and wastewater facility); funding for main fire station and wastewater facility are in the RFP process. The other two stations are in the queue. The community hopes to floodproof these facilities that sit at BFE+1'. Key Colony Beach is currently in the planning phase to build a new City Hall and will begin demolition and construction soon. Key West has developed a multi-department adaptation team;

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												are in progress and planning grants have been applied for (Home elevation education and post disaster redevelopment plan grants have been received) Layton has retrofitted roof systems to 18- mph with heavy insulation and replaced all windows with impact windows. Elevation of buildings and
55	Islamorada	Emergency Communications System, including communication and notification system comprised of video and cable components to augment the local cable system, local municipal radio communications system, and satellite communications	All	1.2	H	Emergency Services	Islamorada Fire Rescue; Islamorada IT & Communications	\$100,000 to \$500,000	BRIC, CDBG-MIT	2020-2025	Carried Forward	Islamorada has added at least 5 means of external communication from the EOC and conducted training on HAM radio operations training. The community has POCs with SatCom companies to place
56	Islamorada	Emergency Back-up power for Critical Facilities	All	1.3	H	Property Protection	Islamorada Public Works	\$500,000	HMGP, BRIC	2023	Carried Forward	In contracting process.
57	Islamorada	Flood-proofing for Fire Stations (3)	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Property Protection	Islamorada Fire Rescue; Islamorada Public Works	\$300,000	HMGP, BRIC, FMA	2025	Carried Forward	Back-up project for Islamorada.
58	Islamorada	Wastewater System Mitigation	All	2.1	M	Property Protection	Islamorada Wastewater Utility; Islamorada Public Works	\$600,000	HMGP, BRIC, FMA	2025	Carried Forward	The contract is currently being modified.
59	Islamorada	Fire Station 20 FEMA 361 Saferoom for First Responders	All	1.3	M	Structural Projects	Islamorada Public Works	\$6,000,000	HMGP, BRIC, FMA	2023	Carried Forward	This project is in the design phase.

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60	Islamorada	Overseas Highway/ Sea Oats Beach Flood and Erosion Protection	Tropical Cyclones, Flood, Sea Level Rise, Coastal Erosion	2.1	H	Structural Projects	Islamorada Public Works	\$10,000,000	HMGP, BRIC, FMA	2024	Carried Forward	Under ENG Review
61	Key West	EOC Upgrades	All	1.2	M	Emergency Services	Key West Engineering	\$281,400	EMPG, HMGP, BRIC, FMA	2021	Carried Forward	To date, generator is hooked up.
62	Key West	Planning/Development of Sister City EOC: Develop a plan and implement a Sister City Emergency Operations Center for large scale pre & post disaster situations	All	1.2	M	Emergency Services	Department of Emergency Management	\$40,000	EMPG, HMGP, BRIC, FMA	2024	Carried Forward	No progress
63	Key West	Emergency warning signal: install a siren or message device to be heard all across the city.	All	1.2	M	Emergency Services	Key West Information Technology Dept; General Services Department	\$200,000	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress
64	Key West	HM Strategies Planning Support	All	2.2	H	Preventive and Regulatory	Key West Floodplain Management	\$75,000	BRIC	2022	Carried Forward	No grants have allowed for this yet
65	Key West	Post-Disaster (Flood) Recovery Plan	Flood	1.2	H	Preventive and Regulatory	Key West Engineering	\$40,000	BRIC;FMA	2021	Carried Forward	Won FDEO Grant
66	Key West	Repetitive Loss Property Mitigation Planning Support	Tropical Cyclones, Flood, Sea Level Rise	2.2	H	Preventive and Regulatory	Key West Floodplain Management	\$45,000	HMGP, BRIC, FMA, CDBG-DR	2023	Carried Forward	No grants have allowed for this yet
67	Key West	Reconstruction of Key Plaza Site B: Demolition and Reconstruction of 50 affordable apartment units.	Tropical Cyclones, Flood, Tornado/Waterspout, Sea Level Rise	1.3	M	Property Protection	Housing Authority of Key West	\$6,775,000	BRIC, HMGP	2024	Carried Forward	No progress; Key West is following up with the Housing Authority
68	Key West	Rehabilitation and Retrofit of George Allen Apartments: Rehabilitation, Window replacement, & retrofit shutters to Dade County approved wind resistance for 117	Tropical Cyclones, Tornado/Waterspout, Severe Storms	1.3	H	Property Protection	Housing Authority of Key West	\$550,000	BRIC, HMGP, HLMP	2024	Carried Forward	No progress; Key West is following up with the Housing Authority
69	Key West	Generators for Critical Facilities (5)	All	1.3	H	Property Protection	Key West Engineering	\$278,000	HMGP, BRIC	2021	Carried Forward	In contracting process.
70	Key West	Wind-Retrofit(s) of First Responder Facilities	All	3.2	H	Property Protection	Key West Engineering	\$650,000	HMGP, BRIC	2021	Carried Forward	In contracting process.

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71	Key West	Fire Station 3	All	1.3	H	Property Protection	Key West Engineering	\$10,000,000	HMGP, BRIC, FMA	2023	Carried Forward	The City dropped the FEMA 361 aspect from the previous plan; Key West has applied for CDBG-DR, MIT-GI, & BRIC funding for the
72	Key West	Residential Floodproofing Program	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Property Protection	Key West Engineering	\$236,000	HMGP, BRIC, FMA, CDBG-DR,	2022	Carried Forward	No progress has been made on this action to
73	Key West	Garrison Bright/Wahoo Pier Hardening	Tropical Cyclones, Tornado/Waterspout, Flood, Sea Level Rise, Severe Storms	2.1	H	Property Protection	Key West Ports	\$2,175,000	HMGP, BRIC, FMA, CDBG-DR, CDBG-MIT	2022	Carried Forward	Applying for Boat grant.
74	Key West	Elevation of Floodprone Residential Properties	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Property Protection	Key West Engineering	\$1,800,000	HMGP, BRIC, FMA, CDBG-DR, HLMP	2024	Carried Forward	Received seagrant educational grant.
75	Key West	Shutter Bayview Park Scorebox	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	1.3	H	Property Protection	Key West General Services/City Engineer	\$4,000	HMGP, BRIC, HLMP	2023	Carried Forward	No progress has been made to date
76	Key West	Shutter Fire Station Museum: Install Dade county approved shutter system on structure.	Tropical Cyclones, Tornado/Waterspout, Severe Storms	1.3	H	Property Protection	Key West General Services/City Engineer	\$30,000	HMGP, BRIC, HLMP	2022	Carried Forward	Work has not yet begun toward this action.
77	Key West	Shutter Park-n-Ride: Shutter the parking garage for storage of City Emergency vehicles and equipment; post disaster relief	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	1.3	H	Property Protection	Key West General Services/City Engineer	\$250,000	HMGP, BRIC, HLMP	2024	Carried Forward	No progress
78	Key West	Wind Retrofit of Homes: The City will manage a project to examine homes and provide recommendations to homeowners for wind retrofit and fund the structural retrofit.	Tropical Cyclones, Tornado/Waterspout, Severe Storms	1.3	H	Property Protection	Key West Information Technology Dept; General Services Department	\$100,000	HMGP, BRIC, HLMP	2023	Carried Forward	Key West is working with the County's Weatherization Assistance Program (WAP); the City has no funding for this program at present.
79	Key West	1010 Windsor Lane: Structural retrofitting of existing auditorium building	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	1.3	H	Property Protection	St. Mary's Start of the Sea Parish	\$100,000 to \$500,000	HMGP, BRIC, HLMP, CDBG-DR	2024	Carried Forward	No progress has been made. The City of Key West is following up

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80	Key West	Wind-Retrofit(s) of Historically and Culturally Significant Facilities	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	1.3	H	Property Protection	Key West Engineering	\$4,500,000	HMGP, PDM, HLMP, CDBG-DR, CDBG-MIT	2023	Carried Forward	Missed HLMP grant cycle, waiting for additional funding opportunities.
81	Key West	Wind-Retrofits of Public Service Facilities	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	3.2	H	Property Protection	Key West Engineering	3,500,000	HMGP; BRIC; HLMP	2021	Carried Forward	Under FEMA Review
82	Key West	Affordable Rentals, Phase III; New construction of affordable housing units. This is a continuation of project funded under prior Unmet Needs Funding. New construction of 14 affordable rental unit	All	1.3	H	Property Protection	Monroe County Housing Authority	\$2,000,000	BRIC, CDBG-DR, CDBG-MIT	2024	Carried Forward	No progress has been made on this action since 2015. At that time, permits and land
83	Key West	Elevation of Public Works Facility: Raise the Public Works Office, equipment storage, and repair facilities. Tow Structures.	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Property Protection	Key West General Services/City Engineer	\$373,000	HMGP, BRIC, FMA, CDBG-MIT		Carried Forward	The area is currently being redesigned.
84	Key West	United St./Jose Marti drainage improvements	Tropical Cyclones, Flood, Sea Level Rise	1.3	M	Structural Projects	Key West General Services/City Engineer	\$2,300,000	HGMP, BRIC, FMA, CDBG	2022	Carried Forward	In design phase
85	Key West	Force Main Relocation Project (Infrastructure Hardening)	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$2,330,000	HMGP, BRIC, FMA	2021	Carried Forward	Received Contract for HMGP (also CDBG-DR1, DR2 & MIT-GI)
86	Key West	Outfall system for Dennis & Venetian (Drainage)	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$1,309,459	HMGP, BRIC, FMA	2021	Carried Forward	In contracting process.
87	Key West	Staples Avenue exfiltration trench	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$638,471	HMGP, BRIC, FMA	2023	Carried Forward	No progress has been made to date
88	Key West	Tide Valves and Outfall Improvements (Drainage)	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$4,658,082	HMGP, BRIC, FMA	2021	Carried Forward	In design phase; also applied for CDBG-DR2
89	Key West	Fogarty and 3rd Street Pump Station	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$6,800,000	HMGP, BRIC, FMA, CDBG-DR, CDBG-MIT	2021	Carried Forward	No word from grant applications yet; no progress has been made.
90	Key West	Harris and 10th street expanded project: installation of new outfall at Harris & 10th street with a pollution control box near the outfall to improve drainage in the low	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$5,625,000	HMGP, BRIC, FMA, CDBG-DR, CDBG-MIT	2021	Carried Forward	In contracting process.

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91	Key West	White and Petronia Street Gravity Well	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$450,000	HMGP, BRIC, FMA, CDBG-DR, CDBG-MIT	2021	Carried Forward	Key West has applied for HMGP/CDBG-DR2 funding - waiting to
92	Key West	3rd street Well or Exfirtraion Trench	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$396,316	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
93	Key West	4th street Well or Exfirtraion Trench	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$396,316	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
94	Key West	Cindy & 19th Street Outfall	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$2,825,692	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
95	Key West	Additional Well for Patricia/Ashby Pump Station	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$150,000	HMGP; BRIC;FMA	2023	Carried Forward	Applied for FEMA Grant
96	Key West	Duck Avenue & 19th Street Gravity Well	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$530,577	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	Seeking HMGP funds
97	Key West	Eagle and 20th outfall	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$1,705,914	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
98	Key West	Eagle Avenue Between 16th and 17th street trench	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$406,550	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
99	Key West	Eisenhower Drive Twin 24" Pipeline	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$548,554	BRIC, FMA, HMGP	2023	Carried Forward	No progress has been made to date
100	Key West	Flood Control Flagler Avenue: Install nine wells to intercept water from Flagler Avenue and put tide valves to stop storm	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West General Services/City Engineer	\$560,000	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	Tide valves only
101	Key West	Florida & Olivia Street Gravity Well	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West Utility	\$396,316	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date
102	Key West	Olivia Street at Phalski & at Francis Gravity Well	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	530577	HMGP, BRIC, FMA, CDBG-MIT	2022	Carried Forward	No progress has been made to date
103	Key West	Packer Street at Olivia - trench and well	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West Utility	\$396,316	HMGP, BRIC, FMA, CDBG-MIT	2023	Carried Forward	No progress has been made to date

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104	Key West	Hazard Mitigation Community Revolving Loan Fund	All	2.2	H	Preventive and Regulatory	Key West Sustainability; Engineering Department	\$100,000 to \$500,000	HLMP, BRIC, HMGP	2023	New	
105	Key West	Hazard Mitigation Policies Upgrade	All	2.2	H	Preventive and Regulatory	Key West Planning	Less than \$10,000	Staff Time	2021	New	
106	Key West	Comprehensive Pervious Program to decrease runoff. Tie to vertical (cistern)	Flood	1.3	H	Natural Resource Protection	Key West: Engineering	\$10,000 to \$50,000	FMA, BRIC, HMGP	2022	New	
107	Key West	Erosion Program, to track, disclose & utilize living shorelines when possible.	Coastal Erosion	2.3	H	Natural Resource Protection	Key West: Engineering	\$50,000 to \$100,000	BRIC, HMGP	2022	New	
108	Key West	Living Shoreline Plan to protect our island from erosion.	Flood, Coastal Erosion	2.3	H	Natural Resource Protection	Key West: Engineering	\$50,000 to \$100,000	HMGP, BRIC	2022	New	
109	Key West	Neighborhood Flood Protection Plan	Flood	2.2	H	Natural Resource Protection	Key West: Engineering	\$50,000 to \$100,000	BRIC, HMPG	2023	New	
110	Key West	Water Supply Plan: Require high efficiency water fixtures	Drought	2.2	M	Preventive and Regulatory	Key West: Planning	\$50,000 to \$100,000	HMGP, BRIC	2021	New	
111	Key West	Turf Replacement with Synthetic options	Drought	1.3	M	Preventive and Regulatory	Key West: Public Works	\$100,000 to \$500,000	HMGP, BRIC, FMA	2022	New	
112	Key West	Assess vulnerability to Severe Wind	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	2.1	H	Preventive and Regulatory	Key West: Engineering	Less than \$10,000	Staff Time	2022	New	
113	Key West	CRS Group to work together on Beyond Minimum requirements	Tropical Cyclones, Severe Storms, Flood, Sea Level Rise	2.2	H	Preventive and Regulatory	County/Jurisdictional Floodplain Management	Less than \$10,000	Staff Time	2021	New	
114	Key West	Research using New Town alleyways to protect powerlines or for stormwater	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	2.1	M	Preventive and Regulatory	Key West: Engineering	Less than \$10,000	Staff Time	2022	New	
115	Key West	Survey all City owned buildings for Wind/Flood resiliency needs	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	1.3	H	Preventive and Regulatory	Key West: Engineering	\$10,000 to \$50,000	Staff Time	2022	New	

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116	Key West	Enforce existing irrigation regulations (sensors, timing)	Drought	2.1	M	Preventive and Regulatory	Key West: Engineering	\$10,000 to \$50,000	Staff Time	2022	New	
117	Key West	Feasibility study for greywater systems	Drought	2.1	M	Preventive and Regulatory	Key West: Engineering	\$10,000 to \$50,000	BRIC	2022	New	
118	Key West	Feasibility Study for WWTP Potable Water Treatment	Drought	2.1	M	Preventive and Regulatory	Key West: Utilities	\$10,000 to \$50,000	BRIC	2022	New	
119	Key West	Heat Island Program, to increase tree canopy, green/cool roofs & a community	Extreme Heat	2.2	H	Preventive and Regulatory	Key West: Engineering	\$10,000 to \$50,000	BRIC, HMGP	2023	New	
120	Key West	Map first floor elevation for all buildings	Flood	2.2	M	Preventive and Regulatory	Key West: Floodplain	\$50,000 to \$100,000	Staff Time	2022	New	
121	Key West	Map subsidence areas	Coastal Erosion	2.2	H	Preventive and Regulatory	Key West: Floodplain	\$50,000 to \$100,000	Staff Time	2021	New	
122	Key West	Piling Replacement at KW Historic Seaport	Tropical Cyclones, Severe Storms	2.1	H	Property Protection	Key West: Ports	\$100,000 to \$500,000	BRIC, FMA	2021	New	
123	Key West	Seawall Repair at KW Historic Seaport	Tropical Cyclones, Severe Storms	1.3	H	Property Protection	Key West: Ports	\$100,000 to \$500,000	FMA, BRIC, HMGP	2022	New	
124	Key West	Structural Repairs at 201 William St Building	Tropical Cyclones, Severe Storms	1.3	H	Property Protection	Key West: Ports	\$100,000 to \$500,000	HGMP, BRIC, CDBG-MIT	2021	New	
125	Key West	Tarpon Finger Pier Extensions	Tropical Cyclones, Severe Storms	2.1	H	Property Protection	Key West: Ports	\$100,000 to \$500,000	HGMP, BRIC, CDBG-MIT	2021	New	
126	Key West	Greene Street Redevelopment	Tropical Cyclones, Severe Weather, Flood	1.3	H	Property Protection	Key West: Ports	\$100,000 to \$500,000	HMGP, BRIC, HLMP	2022	New	
127	Key West	Expand Public Outreach: Mapping, outreach, floodproofing, windproofing, individual mitigation actions, disclosures, financing, etc.	All	1.1	H	Public Information and Outreach	Key West Sustainability; Engineering Department	\$10,000 to \$50,000	Staff Time	2022	New	
128	Key West	Cohost Public Workshops with FIRM (NFIP, mitigation, etc)	Tropical Cyclones, Tornado/Waterspouts, Severe Storms	1.1	H	Public Information and Outreach	Key West: Floodplain	Less than \$10,000	Staff Time	2021	New	
129	Key West	Track High Water Marks	Flood	1.3	M	Public Information and Outreach	Key West: Floodplain	Less than \$10,000	Staff Time	2021	New	

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130	Key West	Educational material to share across websites	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	1.1	H	Public Information and Outreach	All	Less than \$10,000	Staff Time	2022	New	
131	Key West	King Tide Educational Map	Flood	1.1	H	Public Information and Outreach	Key West: Engineering	Less than \$10,000	Staff Time	2022	New	
132	Key West	Minimum Recommended Residential Mitigations	Tropical Cyclones, Flood, Sea Level Rise	1.1	H	Public Information and Outreach	Key West: Engineering	Less than \$10,000	Staff Time	2022	New	
133	Key West	Potable Water Treatment option for WWTP (Design and Build)	Drought	2.1	H	Structural Projects	Key West: Utilities	Over \$1,000,000	BRIC, HMGP, CDBG-MIT	2023	New	
134	Key West	Poincianna Housing: affordable housing for Police Dept	All	2.2	H	Structural Projects	Key West: Engineering	\$500,000 to \$1,000,000	BRIC, HMGP, EMPG	2022	New	
135	Key West	Cisterns for additional water supply during hurricanes	Drought, Tropical Cyclones, Severe Storms	1.2	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	HMGP, BRIC	2023	New	
136	Key West	Replace Sludge Conveyor	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West: Utilities	\$50,000 to \$100,000	BRIC, HMGP	2023	New	
137	Key West	Third Effluent Pump	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West: Utilities	\$100,000 to \$500,000	HMGP, BRIC, CDBG-MIT	2023	New	
138	Key West	Community Services Building: Remodel to raise equipment and staff above flood.	Tropical Cyclones, Flood, Sea Level Rise	1.3	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	HMGP, BRIC, FMA, CDBG-DR	2022	New	
139	Key West	Atlantic Ave Rebuild: Raise and Protect	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	HMGP, BRIC, FMA, CDBG-MIT	2022	New	
140	Key West	Diesel Plant: Design & Construction to stabilize building of historical and cultural significance	Tropical Cyclones, Flood Tornado/Waterspout, Severe Storms	1.3	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	BRIC, CDBG-MIT, HMGP	2022	New	
141	Key West	Douglass Gym Expansion: Community Center	All	1.3	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	BRIC, CDBG, HMGP	2023	New	
142	Key West	Duval Street Stormwater Revitalization: Raise road to reduce stormwater/SLR	Flood, Sea Level Rise	2.1	H	Structural Projects	Key West: Engineering	\$100,000 to \$500,000	HMGP, BRIC, FMA, CDBG-MIT	2022	New	

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143	Key West	Elevate or Floodproof essential public buildings	Flood	1.3	H	Structural Projects	Key West: Engineering	Over \$1,000,000	HMGP, BRIC, FMA, CDBG-MIT	2023	New	
144	Key West	Elevate or Floodproof historically or culturally significant buildings	Flood	1.3	H	Structural Projects	Key West: Engineering	Over \$1,000,000	HMGP, BRIC, FMA, CDBG-MIT	2024	New	
145	Key West	Govt Road Culverts	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West: Utilities	\$100,000 to \$500,000	HMGP, BRIC, FMA, CDBG-MIT	2023	New	
146	Key West	KOTS: Construct/Develop new Keys Overnight Temporary Shelter for homeless	All	1.2	H	Structural Projects	Key West: Engineering	Over \$1,000,000	HMGP, BRIC	2022	New	
147	Key West	Lift Station Renovation - Phases 1 and 2	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Structural Projects	Key West: Utilities	\$500,000 to \$1,000,000	HMGP, BRIC, CDBG-MIT, HLMP	2021	New	
148	Key West	Parking lot stormwater storage pilot	Flood	1.3	H	Structural Projects	Key West: Engineering	\$50,000 to \$100,000	FMA, BRIC	2022	New	
149	Key West	Update Stormwater Master Plan	Flood	2.2	H	Structural Projects	Key West: Utilities	\$10,000 to \$50,000	HMGP	2021	New	
150	Layton	Become Storm Ready Community	All	1.2	H	Emergency Services	Layton Building Department	Less than \$10,000	Staff Time	2021	New	City has begun the progress with the National Weather Service
151	Layton	Add culverts to canals on the East side of the city to improve water flow and water quality	Flood, Tropical Cyclones, Drought, Sea Level Rise	2.1	M	Natural Resource Protection	Layton City Council & Building Department	\$100,000 to \$500,000	HMGP, BRIC, FMA, CDBG-MIT	5 years	New	Funding needed; have obtained proposal from engineering
152	Layton	Obtain LiDAR data to identify actual elevation of existing city roads and elevate as needed.	Tropical Cyclones, Flood, Sea Level Rise	2.1	H	Property protection	Layton City Council	\$100,000 to \$500,000	CDBG-MIT	5 years	New	Partnered with Mornoe County for CDBG-MIT funding
153	Layton	Partner with Monroe County Fire Rescue to rebuild fire house and administrative offices elevated or flood proofed above BFE plus minimum 3' freeboard.	Tropical Cyclones, Tornado/Waterspout, Severe Weather, Flood, Sea Level Rise	2.1	M	Property protection	Monroe County Fire Rescue; City of Layton	\$500,000 to \$1,000,000	HMGP, BRIC, FMA	5-7 years	New	Funding needed for long term plan; Monroe County purchased the adjacent parcel and Layton owns the firehouse, etc. A partnership is in process.
154	Marathon	City-wide communications network	All	1.2	M	Emergency Services	Marathon Fire Rescue; Marathon Administration	\$150,000	BRIC	2025	Carried Forward	No progress has been made on this action to
155	Marathon	Hurricane Shelter: increase shelter spaces available during hurricane emergencies	Tropical Cyclones	1.2	M	Emergency Services	Monroe County School District	\$100,000 to \$500,000	HMGP, BRIC	2025	Carried Forward	No progress has been made on this Maction

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156	Marathon	Critical Facility Hardening	All	2.1	H	Property Protection	Marathon Public Works	\$290,000	HGMP, BRIC, CDBG-DR, CDBG-MIT	2024	Carried Forward	Partial Progress; fire station roof has been redone. Further hardening work
157	Marathon	Emergency Generators and Fuel Trailers for Critical Facilities	All	1.3	H	Property Protection	Marathon Public Works	\$175,000	HMGP, BRIC	2023	Carried Forward	In contracting process.
158	Marathon	Marathon Coastal Hardening and Resiliency	Tropical Cyclones, Flood, Sea Level Rise, Coastal Erosion	1.3	H	Structural Projects	Marathon Public Works; Marathon Planning	\$1,200,000	HMGP, BRIC, FMA	2024	Carried Forward	Under ENG Review
159	Marathon	Wastewater Treatment Facilities	All	2.1	H	Structural Projects	Marathon Utilities	\$3,155,528	HMGP, BRIC, FMA	2023	Carried Forward	Under ENG Review
160	Key Colony Beach	Raise 4 wastewater lift station electrical control boxes to assure functionality after storms. Total of 15 lift stations for wastewater return system. Estimated cost to raise each control box is \$3,000 per box. cost to replace if damaged by	All	2.1	H	Property Protection	KCB Wastewater Utility; KCB Public Works	\$12,000	HMGP	2024	New	
161	Key Colony Beach	Vehicle lifts for maintenance garage for mitigation in flooding conditions after a severe storm, includes maintenance vehicles and police vehicles. Requesting 3 lifts to support the current number of vehicles. Estimated cost of each lift \$5,000, estimate cost of replacement vehicle if	Tropical Cyclones, Flood, Sea Level Rise, Severe Storms	1.2	H	Property Protection	KCB Public Works; KCB Police Department	\$15,000	HMGP	2024	New	
162	Key Colony Beach	Portable sump pump and hose system to move excess stormwater in isolated areas to	Tropical Cyclones, Flood, Sea Level Rise, Severe Storms	1.2	H	Property Protection	KCB Public Works	\$7,000	HMGP	2024	New	
163	Key Colony Beach	Install rip-rap boulders to reduce/eliminate erosion from Atlantic Ocean in shoulder areas of Sunset Park, and Sadowski roadway, owned by City of Key Colony Beach	Coastal Erosion	2.3	M	Structural Projects	KCB Public Works	\$100,000	HMGP	2025	New	