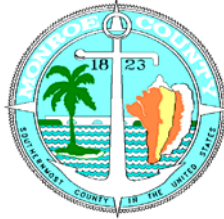


County of Monroe

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Board of County Commissioners

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Mayor Pro Tem Danny Kolhage, District 1
Michelle Coldiron, District 2
Heather Carruthers, District 3
David Rice, District 4

We strive to be caring, professional, and fair.

Date: January 14, 2019

To: Monroe County BOCC

From: Lori Lehr, CFM, Community Rating System (CRS) Coordinator

Subject: Monroe County Local Mitigation Strategy Progress Report

Background

Monroe County, Florida, and its incorporated municipalities of the Village of Islamorada, City of Layton, City of Key Colony Beach, City of Marathon, and the City of Key West, undertook development of this 2015 Update of the *Local Mitigation Strategy* (LMS) because of its awareness that natural hazards, especially hurricane and flooding hazards, may affect many people and property. The 2015 Update replaces the 2010 and 2005 Updates of the 1999 LMS. The LMS is a requirement associated with receipt of certain federal mitigation grant program funds administered by the Florida Division of Emergency Management (FDEM) and the Federal Emergency Management Agency (FEMA).

Chapter 14.2 of the LMS states: "As required by State statute (Chapter 27P-22) and to ensure the Local Mitigation Strategy is current and continues to serve the interests of residents and visitors, the As required by State statute (Chapter 27P-22) and to ensure the Local Mitigation Strategy is current and continues to serve the interests of residents and visitors, the LMS Working Group will perform an evaluation by comparing the text of the LMS to actual events and status of ongoing or completed mitigation initiatives listed in Chapter 13 and, as applicable, each community's chapter. If appropriate, annotations will be prepared every year."

As a requirement to participate in the Community Rating System, the Monroe County, must adopt and annually evaluate the LMS as their floodplain management planning document. The City is 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. implement, evaluate and revise.

The Local Mitigation Strategy Committee has met twice in 2017. The 2018 Local Mitigation Strategy meetings will be dedicated to updating the Local Mitigation Strategy to address post Hurricane Irma short and long-term action items that need to be revised to address post-disaster projects and activities.

A copy of the Monroe County Local Mitigation Strategy (2015) is available at the Monroe County Emergency Management website: www.monroecountyem.com

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 is currently updating the action items and projects in the plan as part of the post-Irma recovery effort. This progress report reflects the progress of objective contained in the Monroe County Local Mitigation Strategy prior to September 10, 2017 as well as the projects that updated post-Irma to take full advantage of post disaster funding.

The annual progress report is made available to the Board of County Commissioners, the media, and the public via the Monroe County website. A copy of the report is sent annually to the State of Florida NFIP Coordinator’s office via email.

Review of action items specific to Unincorporated Monroe County:

At the March 5, 2015 meeting, three initiatives for the Working Group “as a whole” were discussed and accepted and two initiatives were discussed and added during the June 23, 2015 conference call.

The value of for developing new initiatives and projects to address risk was discussed at both the January and March meetings. Several of the primary initiatives to address flood risk are participation or advancement in CRS program and addressing increase future risk caused by sea level rise. CRS is a priority because it is an established program that provides incentives to take multiple approaches to address flood risk and it provides flood policy holders with discounts once thresholds are met. Several Working Group and community-specific initiatives are geared toward CRS participation.

The basis for the additional initiatives and projects listed in the tables below: *2015 High Priority Mitigation Initiatives: Working Group, Preliminary Identified Mitigation Initiatives – Notice of Intent* and the *Monroe County LMS NOIs – Irma* are to address areas of greatest risk and hazards with greatest impacts. As a chain of islands, Monroe County is dependent on critical infrastructure along the Overseas Highway right-of-way which if damaged, would have a devastating impact to most residents and businesses. For this reason, evaluating protection of critical infrastructure is a top priority.

2015 High Priority Mitigation Initiatives: Working Group

Initiative 2015-001	Establish a Monroe County CRS User's Support Group
Jurisdiction/Entity	Monroe County and municipalities
Description	Establish a CRS User's Support Group for both current participating jurisdictions, for efforts to improve their ratings, and the other four communities that are looking to join the program. This group initiative supports several of the community specific initiatives. Currently, Layton participates in the Miami-Dade User's Group which is inconvenient due to distance.
Hazards	Flooding, Hurricane/Tropical Storm, Sea Level Rise
Potential Funding Sources	Staff time and external support as needed
Estimated Time Frame	2016
Progress	CRS User's Support Group was formed in early 2016 to facilitate the PPI committee. The User's Group will continue to meet to evaluate the PPI and discuss the CRS post-Irma
Initiative 2015-002	Repetitive Loss Areas (Flood)
Jurisdiction/Entity	Monroe County and municipalities
Description	Verify Repetitive Loss Property Data Monroe County and municipalities that decide to participate in the CRS or that already 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. The County Growth Management Department will use the identifications, along with the address list of

	<p>repetitive loss properties provided by the municipalities, to prepare Repetitive Loss Area Maps. Key Colony Beach is preparing its Repetitive Loss Area map in 2015 and a county-sponsored workshop was held on 03/05/15 to help other communities.</p> <p>Identification of Repetitive Loss Areas helps identify property owners who may be interested in reducing their exposure and working with the communities to seek mitigation funds.</p>
Hazards	Flooding, Hurricane/Tropical Storm, Sea Level Rise
Potential Funding Sources	Staff time
Estimated Time Frame	Data verification (annually for CRS communities) Repetitive Loss Area Maps (upon request)
Progress	<p>Repetitive loss areas were established for the 2016 CRS application. Repetitive loss areas maps were prepared using the FEMA Privacy Act guidelines. Outreach was sent to each developed parcel address in the established repetitive loss areas. The outreach was sent as part of the Monroe County Multi-Jurisdictional Program for Public Information Adopted by the Monroe County BOCC on April 12, 2017.</p> <p>The structures identified as being in the repetitive loss areas were prioritized post Irma for potential mitigation funding.</p> <p>The County is currently preparing a more detailed repetitive loss analysis using post-Irma loss data.</p> <p>Irma did not produce any new repetitive loss structure. This is most like due to the more than 10 period that elapsed between major storm events.</p>
Initiative 2015-003	Support efforts in Monroe County to address the potential negative impacts related to climate change including sea level rise
Jurisdiction/Entity	Monroe County and municipalities

Description	<p>Monroe County is the most vulnerable partner that participates in the SE FL Compact with respect to climate change induced sea level increases. Critical resources like the primary source of drinking water as well as homes, businesses and infrastructure are directly at risk. The LMS should actively support its own Climate Change actions plans and support the implementation of a Regional Collaborative Climate Action Plan with the neighboring counties through the Southeast Florida Regional Climate Compact to address the impacts of sea level rise and other related climate change impacts.</p>
Hazards	Flooding, Hurricane/Tropical Storm, Sea Level Rise
Potential Funding Sources	Staff time
Estimated Time Frame	Ongoing
Progress	<p>The County has been working with a consortium of professionals bringing their expertise to focus on communitywide responses for long-term solutions to the impact of rising sea levels. A focus group has toured and evaluated our community and produced a report (GreenKeys Plan) outlining potential solutions.</p> <p>The County is also pursuing an analysis of the impact of projected seal level rise on the current infrastructure and specifically the drainage systems. The analysis has been submitted to ISO for review to meet the CRS Class 4 pre-requite for stormwater master planning.</p>

Initiative 2015-004	Promote hurricane and flood awareness to residents and businesses.
Jurisdiction/Entity	Monroe County and municipalities
Description	Once residents and businesses become more aware of their risk, they are more likely to take steps 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 from other parts of the country. The LMS Working Group should actively seek effective risk communication information and opportunities to promote steps businesses and residents can take to reduce their flood and hurricane risk.
Progress	<p>As part of the County’s participation in the CRS program, the county implemented a program of public information to promote unified awareness messages to the public. The messages encourage citizens to take action to protect against and prepare for, future flooding hazards.</p> <p>The program requires that the governing committee meet twice a year to assess the messages and outreach project for effectiveness on change citizen’s behavior. In November of 2018, the committee revised some messages and project due to lessons learned from Hurricane Irma.</p>
Monroe County Initiative 2015-003	Evaluate existing and proposed infrastructure and facilities to identify recommendations to increase resilience and account for dynamic hazards including flood, wind, sea level rise, coastal erosion and strong storms.

Discussion of objectives not reached or behind in scheduled implementation:

The Monroe County LMS Work Group maintains an evolving list of project initiatives that includes many site-specific initiatives (Appendix F, as of mid-2015). This list may be modified periodically. The list has three distinct “tabs” that result from distinct steps in the process:

- **Step One: Preliminary Identified Mitigation Initiatives – Notice of Intent** (initiatives may be placed on the list with a minimum amount of information).
- **Step Two: Prioritized Mitigation Initiatives** (when an entity is prepared to seek funding and has sufficient detail, the Characterization Form is completed and the LMS Ranking Subcommittee develops the prioritization ranking).
- **Step Three: Completed/Removed/Unconfirmed Mitigation Initiatives** (initiatives that have been completed, with or without external funding, or which have been removed/dropped, or for which the entity has not provided sufficient information to keep it on one of the other lists).

The table below is the updated *Preliminary Identified Mitigation Initiatives – Notice of Intent Table*. The initiatives were submitted to the LMS Working Group for inclusion on January 14, 2017. The implementation of the initiatives is noted in the table and have been replaced with post-Irma initiatives that are more closely related to the priorities set by the State of Florida for post-disaster grand funding.

Project Owner / Sponsor	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Hazards Address (all that apply)	Estimated Cost	Date submitted	NOTES
Monroe County Health Department	EOC / State Agency		2005-DOH has identified the need to operate its own EOC at a facility in the Tavernier area close to their Special Needs Shelter		\$100,000	Jan-06	
Monroe County Health Department	Emergency power for Ruth Ivans Clinic / State Agency		Installation of a drop switch for emergency generator at Ruth Ivans Clinic in Marathon. Possible installation of propane generator.		\$10,000	16-Mar-06	
Monroe County Housing Authority	Affordable Rentals, Phase III (elderly, New Construction)		New construction of affordable housing units. Continuation of project funded under prior Unmet Needs Funding. New construction of 14 affordable rental unit elderly persons. Permits and land in place.		\$2,000,000		

Project Owner / Sponsor	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Hazards Address (all that apply)	Estimated Cost	Date submitted	NOTES
Monroe County	Wind Mitigation of Commercial and Residential Properties	Monroe Co	Shutter per 09 Fl. Building Code, Install gable end bracing, corner hurricane bracing, attic gable end bracing (where approp.), addtl. Nailing of metal roofs @ corners/edges.	Hurricane / Tropical Storm - Tornado	1,500,00.00	07.06.09	07.07.09
Monroe County	Higgs Beach (KW) Seawall Replacement Project	Monroe Co	Seawall for flood water protection of the Historic West Martello Towers Fort	Hurricane / Flooding / Tropical Storm - Tornado	1,050,00.00	07.06.09	07.07.09 / Ongoing
Monroe County	Elevation of residence 21 Ventana Lane, Big Coppitt Key (Keeler-Descoteaux)	Monroe Co	To elevate private residence to above base level flood .		\$40,000	16-Mar-06	
Monroe County	Elevate property at 19421 Canal dr. Sugarloaf Key, Fl. (Rea)	Monroe Co	To elevate private residence to above base level flood .		\$50,000	9-Feb-06	ONLINE RECORD INDICATES REPLACED SIDING 2007 (WILMA)
MCBOCC	Raising Bernstein Park Athletic Fields	Monroe Co	Clearing/Grubbing existing fields and raising to an elevation of up to 24 inches above existing grade to as to prevent localized damage due to localized and storm	Hurricane / Flooding	\$500,000	8-Mar-16	

The table below is the updated *Prioritized Mitigation Initiatives*. The implementation of the initiative is noted in the table and have been replaced with post-Irma initiative that are more closely related to the priorities set by the State of Florida for post-disaster grand funding.

	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Project Cost	Est time to complete	Expected F/S Grant Fund	NOTES
Monroe Co	Construct a new County Emergency Operations Center (EOC) Facility or Upgrade Existing Facility located on the second floor of the Marathon Government Complex.	Monroe Co	During the operation for Hurricane Georges and Wilma several issues arose that identified problems with the existing County Emergency Operations Center located in the County Commission Chambers in the Marathon Government Center. The current facility is shared with the County Commission. This can present problems when a Commission meeting is scheduled during a time when an emergency event may be threatening the County. It may inhibit the ability of emergency managers to ready the EOC well in advance of a potential threat.	7,240,000	1 or 2 yrs	HB7121, HMGP	Submitted under Wilma HB7121 and HMGP Funding awarded pending local funding
Monroe Co	Replacement of storm damaged wastewater treatment facilities	Monroe Co	Locations could include package treatment plants that serve small communities and businesses within the County. Hurricane Georges demonstrated the need to address replacement of storm damaged wastewater treatment plants and to upgrade these facilities to better withstand potential storm effects.		1 or 2 yrs	HMGP, FMA	Requires inquiry Public Works/Ongoing to be completed by 2015.
Monroe Co	Monroe County Structural Evaluation of Facilities of Special Concern	Monroe Co	Engineering evaluation to identify viability to retrofit and recommend improvements to mitigate storm damage. Includes: Lower Keys Health Systems; DePoo Hospital; Fishermen's Hospital; Nursing Homes, including Bayshore Manor.		1 or 2 yrs	HMGP, FMA	Old Mariner's Hospital shutters (eliminated from list)
Monroe Co	Repair/Replacement of Storm Damaged Housing to Bring into County Code Compliance (specific locations to be determined).	Monroe Co	A considerable amount of County's housing stock was damaged during Hurricane Georges. The project would repair and replace existing housing units to meet current county codes. This makes these structures better able to withstand future storm damage and thereby reduce the risk of potential loss. The proposal also contributes to the maintenance and availability of affordable housing in Monroe County.		1 or 2 yrs	HMGP, FMA, SRL	Current FMA's (Garcia & Finigan) in progress

	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Project Cost	Est time to complete	Expected F/S Grant Fund	NOTES
Monroe Co	East Martello Foundation Repair	Monroe Co			1 or 2 yrs	HMGP, FMA	
Monroe Co	East Martello Window Replacement	Monroe Co			1 or 2 yrs	HMGP, FMA	
Monroe Co	Esast Martello Storm water Retention	Monroe Co			1 or 2 yrs	HMGP, FMA	
Monroe Co PW	Riprap Revetment Stabilization for protection of three locations; Tidal basin & Wilenson Pt., H. Harris Pk, KL., MM68 Landfill, Long Key.	Monroe Co	06-Riprap boulders protecting the three locations noted have been damaged by storms/hurricanes. The riprap has been repaired by the County; however, in order to mitigate recurrent storm damage, it is necessary to pump cement slurry mix into the riprap voids. Future riprap damage is likely without cementuous stabilization	75,500	6 mos to 1yr	HMGP, FMA	
Monroe Co PW	Overhead Rilling Doors at Marathon Garage	Monroe Co	Retrofit and placement of overhead rolling doors at three County facilities in order to meet 155 mph windload criterion.	24,840	6 mos or <	HMGP, FMA	Submit under Wilma

	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Project Cost	Est time to complete	Expected F/S Grant Fund	NOTES
Multijurisdictional	Comprehensive hazard mitigation (prevention) education and outreach program targeted to government employees, the construction industry and trades, and the general public.	Multijurisdictional	During the development of the Local Mitigation Strategy the Working Group identified the need to provide information about the mitigation concept and how to use it. To address educating 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 to 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 to attend. In addition, the programs would 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 (including prevention activities that can be done at home (such as elevating utilities and techniques to strengthen houses from hazards). Public information campaigns will be targeted at such groups as condominium and homeowners associations.		1 yr	HMGP, FMA	ALM discusses FIU Meeting (FIRM Windstorm Mitigation) which addressed shuttering, hurricane clips, metal roofs. Idea proposed to have an entity (pol. Or pvt.) sponsor Hurricane Mitigation Educational Initiative. Need to make this knowledge available to public. Sam Coskey, suggests representative of Dept. of Fl. Financial Services (My Safe Florida Rooms) to sponsor a speaker to present these ideas publically.

	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Project Cost	Est time to complete	Expected F/S Grant Fund	NOTES
Multijurisdictional	Strategy and implementation program to address under/unemployment and work force problems related to disasters.	Multijurisdictional	Local Mitigation Strategy Working Group members from the Florida Keys Employment and Training Council (FKETC). Now (WORKFORCE #) expressed the need to develop mitigation initiatives dealing with economic and employment issues. Continued employment for people with low and moderate incomes promotes productivity and self-sufficiency. Gainful employment can help emotional recovery. The purpose of this project is to identify and implement ways to reduce the effects of disasters on the work force and economy of the Florida Keys.			HMGP, FMA	Per DCA, this is part of post-disaster Public Assistance program / On-going for the WG.
Multijurisdictional	Production of a Mitigation Program Technical Assistance and Resource Manual	Multijurisdictional	During the Working Group's 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 Hazard Mitigation Grant Program. 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 and/or private programs that could apply to mitigation efforts.		1 yr	HMGP, FMA	DCA and FEMA materials may be sufficient (notice DCA is FDEM nowadays)
Multijurisdictional	Impact study on the effect of the Uniform State Construction Code on Monroe County and its incorporated areas	Multijurisdictional	The project would involve studying the impacts of the Uniform State Construction Code and local codes, regulatory authority, and building practices in the Florida Keys.		1-2 yrs	HMGP, FMA	Latest Florida Building Code does address concern?review through 2010

	Project Title/ID	Project Location (County or city?)	Brief Description of Project	Project Cost	Est time to complete	Expected F/S Grant Fund	NOTES
Multijurisdictional	Severe Weather	Multijurisdictional	Pursuant to guidance from the National Weather Service, development of projects related to a tornado mitigation strategy including:(1) Use of warning devices such as NOAA weather radios equipped with warning systems; (2) Use of route alert to warn particularly susceptible areas such as mobile home and RV parks; (3) Installation of tone alert warning systems in schools linked to the National Weather Service or Emergency Management; (4) Identification and/or construction of safe rooms or areas in residences and vulnerable locations, such as mobile home and trailer facilities; (5) Public education about tornado safety and warning systems.		1-2 yrs	HMGP, FMA	Discuss - On-going: Review possibility of Reverse 911 (Emergency Communications) other than NOAAS WR, Hazardous Weather Awareness Week.
Monroe Co McDonald	Demolish and Elevate second home 144 Sea Lanr Geiger Key (McDonald)	Monroe Co	Demolish existing mobil home at 144 Sea Lane Geiger Key, FL. 33040 and elevate new pre fab home to meet current code	70,000.	6 mos or <	HMGP, FMA	Submit under Wilma / On-going with state inquiry NOT FOUND IN APPRAISER'S ONLINE RECORDS
Monroe Co Grimes	Elevate property at lot 15, block 41 (31332 Ave G, Big Pine Key), Sands Sub-Division (Grimes)	Monroe Co	To elevate private residence to 8 feet above base level flood	300,000.	6 mos to 1yr	HMGP, FMA	Needs checking on / On-going with state inquiry
Monroe Co Mikas	Elevation of residence 240 Lincoln ave., Key Largo (Mikas)	Monroe Co	Proposal to elevate ground level home (24x30). Suffered claims from Irene, Georges and Katrina	30,000.	6 mos to 1yr	HMGP, FMA	Needs checking on

Recommendations for new or revised projects post-Irma:

The table below is the updated post-Irma list of indicatives that were submitted to the LMS Working Group. The list represents Step Two: Prioritized Mitigation Initiatives. The entity is prepared to seek funding and has sufficient detail, the Characterization Form is completed and the LMS Ranking Subcommittee developed the prioritization ranking. The list of initiatives may be updated as directed by the LMS Working Group as project funding becomes available and according to the State of Florida project priorities.

Ranking	Applicant	Project Title	NOI Submitted (Y/N)?	Preliminary Project Cost
1	Monroe County BOCC	Safe room enhancements for County EOC in conjunction with design and construction of new facility	Yes	10,000,000
2	FKEC	Transmission Water Crossing Structure	Yes	10,500,000
3	FKEC	Sea Oats Beach Transmission Line Relocation	Yes	6,500,000
3	FKEC	Self-Supporting Transmission Poles	Yes	6,000,000
4	Monroe County BOCC	Local Mitigation Strategy Update	Yes	700,000
5	Islamorada	[Fire] Station 20 FEMA 361 Safe room for First Responders	Yes - Existing	6,000,000
5	City of Key West	EOC Upgrades	Yes - New NOI	281,400
6	Keys Energy	Transmission Pole Water Crossing	Yes	8,171,954
6	City of Key West	Tide Valves and Outfall Improvements (Drainage)	Yes - New NOI	4,658,082
6	City of Key West	Force Main Relocation Project (Infrastructure Hardening)	Yes - New NOI	2,330,000
7	Islamorada	Wastewater System Mitigation	Yes - Existing	600,000
8	Marathon	City-wide Communications Network	Yes - Existing	150,000
8	Marathon	Emergency Generators and Fuel Trailers for Critical Facilities	Yes - Existing	175,000
8	FKEC	Distribution Water Crossing Overhead to Underground	Yes	35,000,000
9	FKA A	Water Supply Protection, Stock Island Reverse Osmosis Facility	Yes	48,000,000
10	FKEC	Marathon Generation	Yes	40,000,000
10	City of Key West	Wind-Retrofit(s) of Public Service Facilities	Yes - New NOI	3,500,000
11	Keys Energy	Improve Satellite Communication	yes	257,190

Ranking	Applicant	Project Title	NOI Submitted (Y/N)?	Preliminary Project Cost
11	City of Key West	Generators for Critical Facilities (5)	Yes - New NOI	278,000
11	City of Key West	Fire Station 3 - FEMA 361 Upgrades	Yes - New NOI	10,000,000
12	Marathon	Marathon Coastal Hardening and Resiliency	Yes - Existing	1,200,000
12	City of Key West	Wind-Retrofit(s) of First Responder Facilities	Yes - Existing	650,000
13	Marathon	Critical Facility Hardening	Yes - Existing	290,000
13	Keys Energy	Backup Generators for Critical Facilities	Yes	200,000
14	Marathon	Wastewater Treatment Facilities	Yes - Existing	3,155,528
14	FKEC	Main Feeder Pole Replacement	Yes	3,000,000
15	Monroe County BOCC	Emergency Communications and Warning Upgrades	Yes	600,000
15	Islamorada	Emergency Back-Up Power for Critical Facilities	Yes - Existing	500,000
15	FKEC	Marathon Office/Warehouse Storm Hardening	Yes	3,000,000
15	City of Key West	Dennis Street and Venetia Street Outfall (Drainage)	Yes - Existing	1,309,459
16	Islamorada	Overseas Highway/Sea Oats Beach Flood and Erosion Protection	Yes - Existing	10,000,000
16	City of Key West	Flemming Street & Grinnell Street Gravity Injection Well (Drainage)	Yes - Existing	450,000
17	Monroe County BOCC	County-Wide Emergency Back-Up Power Enhancement for Critical Facilities	Yes	6,000,000
17	Islamorada	Acquisition and Demolition of Flood-Prone Properties	Yes - New NOI	1,500,000
18	City of Key West	Patricia & Ashby St Pump Station Well (Drainage)	Yes - New NOI	150,000

Ranking	Applicant	Project Title	NOI Submitted (Y/N)?	Preliminary Project Cost
19	Islamorada	Indian Key "Fills" / U.S. 1 Shoreline Protection and Hardening	Yes - Existing	1,950,000
19	Islamorada	Fogerty Avenue and 3rd St Pump Assist (Drainage)	Yes - Existing	6,800,000
19	Islamorada	Village-Wide Shoreline Hardening Project	Yes - New NOI	3,000,000
19	City of Key West	Harris Avenue and 10th St Expanded Neighborhood Project (Drainage)	Yes - Existing	5,625,000
19	City of Key West	Post-Disaster [Flood] Recovery Plan	Yes - Existing	40,000
20	FKEC	SR 905 Distribution Underground Project	YES	5,000,000
20	City of Key West	White Street & Petronia Street Gravity Injection Well	Yes - Existing	450,000
21	Islamorada	Flood-Proofing for Fire Stations (3)	Yes - New NOI	300,000
21	City of Key West	Wind-Retrofit(s) of Historically and Culturally Significant Facilities	Yes - New NOI	4,500,000
22	Keys Energy	Harden Material Distribution Center	Yes	9,262,500
23	Monroe County BOCC	Phone System/Communications Upgrades	Yes	400,000
24	Marathon	Marathon Stormwater Pumping	Yes - Existing	350,000
25	Monroe County BOCC	Wind Retrofit of County Facilities	Yes	8,837,280
26	City of Key West	Garrison Bight/Wahoo Pier Hardening	Yes - New NOI	2,175,000
27	Monroe County BOCC	Twin Lakes and Sands Subdivision Drainage Improvement and Roadway Elevation Project	Yes	3,900,000
27	Monroe County BOCC	Residential Wind Retro-fitting Project	Yes	1,925,000
27	City of Key West	Elevation of Floodprone Residential Properties	Yes - New NOI	1,800,000
28	Monroe County BOCC	Trailer Park Acquisition and Reconstruction Site A	Yes	4,800,000

Ranking	Applicant	Project Title	NOI Submitted (Y/N)?	Preliminary Project Cost
28	Monroe County BOCC	Trailer Park Acquisition and Reconstruction Site B	Yes	3,025,000
28	Monroe County BOCC	Trailer Park Acquisition and Reconstruction Site C	Yes	2,100,000
28	Monroe County BOCC	Trailer Park Acquisition and Reconstruction Site D	Yes	3,900,000
28	Monroe County BOCC	Trailer Park Acquisition and Reconstruction Site F	Yes	5,800,000
29	Monroe County BOCC	County-wide Road Elevation and Drainage Improvements (Phase 1 of 2)	Yes	367,200,000
29	City of Key West	Residential Dry-Floodproofing Program	Yes - Existing	236,000
30	Monroe County BOCC	Acquisition - Demolition of Residential Structures	Yes	10,000,000
31	Monroe County BOCC	Residential Mitigation Reconstruction Project	Yes	22,500,000
32	Monroe County BOCC	Elevate Buildings Located within Floodprone Areas	Yes	5,225,000
32	City of Key West	HM Strategies Planning Support	Yes - New NOI	75,000
33	St James Missionary Baptist Church	Retrofit historic church and update structure to be a safe place to house and feed members of community during and after a disaster	Yes	165,000
34	City of Key West	Repetitive Loss Property Mitigation Planning Support	Yes - Existing	45,000
35	Monroe County BOCC	West Martello Seawall Improvements	Yes	500,000

The Monroe County LMS Working Group held three (3) meetings post-Irma to date. The meeting notices, agendas and sign-in information are included in *Attachment 1*.

Conclusion:

This concludes the 2018 Monroe County LMS progress report. Please direct comments or questions to:

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