



APPENDIX A -K

Palm Beach County Local Mitigation
Strategy Hazard Identification and Risk
Assessment/Consequence Analysis 2021 for
LMS2024

Appendix J: NFIP and CRS Status and Activities

This appendix is intended to provide current data and information on NFIP and CRS status and activities countywide in fulfillment of the following FEMA requirement:

Requirement: §201.6(c)(3)(ii): The mitigation strategy must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate.

The tables on the following pages provide summaries of NFIP and CRS status by jurisdiction. Sources for summary tables were compiled from the following locations on FEMA's NFIP website:

- https://www.fema.gov/sites/default/files/documents/fema_cr_s_eligible-communities_oct-2023.pdf
(Includes CRS Class Information for PBC)
- <https://www.fema.gov/media-library-data/1493922774199-5d4a9a625dd3b1b90c31577c33a24f61/10-5-2017.Consolidated.pdf> (FIRM Map latest updates for PBC)
- <https://bsa.nfipstat.fema.gov/reports/1040.htm> (Flood Losses since 1978 in PBC)
- <https://bsa.nfipstat.fema.gov/reports/1011.htm> (Policies in-force in PBC)

The number and value of NFIP insurance policies in effect, total losses, and claims activity from CRS participation are included on a jurisdiction-by-jurisdiction basis. As of this writing, 28 out of 39 jurisdictions are participating in CRS. Currently the CRS program is generating close to \$5 million in insurance premium savings countywide on an annual basis.

As of this writing, the County's CRS program was evaluated in April 2021 and retained a Class 5 CRS rating. The County will be recertified in August 2024.

Community ID	Name	Policies in Force	Class Rating	Map Date	CRS Entry Date
120193	Atlantis, City of	225	10	10/5/2017	10/1/1992
120195	Boca Raton, City of	15,073	7	10/5/2017	10/1/1992
120196	Boynton Beach, City of	6,264	5	10/5/2017	10/1/1991
120198	Cloud Lake, Town of	19	7	10/5/2017	10/1/1994
125102	Delray Beach, City of	7,194	6	10/5/2017	10/1/1994
120200	Glen Ridge, Town of	28	10	10/5/2017	10/1/1994
120203	Greenacres, City of	423	9	10/5/2017	10/1/2017
125109	Gulf Stream, Town of	477	10	10/5/2017	10/1/1999
125111	Highland Beach, Town of	4,215	10	10/5/2017	10/1/1993
120207	Hypoluxo, Town of	1,486	7	10/5/2017	10/1/1994
120208	Juno Beach, Town of	1,639	5	10/5/2017	10/1/1993
125119	Jupiter, Town of	7,646	5	10/5/2017	10/1/1994
120211	Lake Clarke Shores, Town of	163	8	10/5/2017	10/1/1994
120212	Lake Park, Town of	837	6	10/5/2017	10/1/1992
120213	Lake Worth Beach, City of	1,357	6	10/5/2017	10/1/1996
120214	Lantana, Town of	1,198	8	10/5/2017	10/1/1994
120215	Manalapan, Town of	229	8	10/5/2017	10/1/1992
120216	Mangonia Park, Town of	32	10	10/5/2017	10/1/1994
120217	North Palm Beach, Village of	3,696	5	10/5/2017	10/1/1994
125134	Ocean Ridge, Town of	1,226	6	10/5/2017	10/1/1992
120192	Palm Beach County	41,485	5	10/5/2017	10/1/1991
120221	Palm Beach Gardens, City of	4,101	10	10/5/2017	10/1/2003
125137	Palm Beach Shores, Town of	667	7	10/5/2017	10/1/1994
120220	Palm Beach, Town of	7,209	6	10/5/2017	10/1/1992
120223	Palm Springs, Village of	392	6	10/5/2017	10/1/1992
125142	Riviera Beach, City of	5,021	8	10/5/2017	5/1/2016
120225	Royal Palm Beach, Village of	1,185	6	10/5/2017	10/1/2018
120227	South Palm Beach, Town of	1,794	8	10/5/2017	10/1/1993
120228	Tequesta, Village of	1,193	6	10/5/2017	10/1/1992
125157	Wellington, Village of	2,933	5	10/5/2017	1/3/2001
120229	West Palm Beach, City of	7,634	5	10/5/2017	10/1/1992

*Unincorporated areas of the county only

Note: All PBC FIRM Maps were officially updated as of 10/5/2017. Entry date is the date the municipality entered the NFIP program.

Source: as of 10/1/2023 from NFIP Website [nfip-policy-information-by-state-20230930.xlsx \(live.com\)](https://www.fema.gov/nfip-policy-information-by-state-20230930.xlsx)

Name	Policies in Force	Total Losses	Total Losses Paid
PALM BEACH COUNTY *	50,725	3,982	\$18,312,549.68
ATLANTIS, CITY OF	295	29	\$316,370.90
BELLE GLADE, CITY OF	169	9	\$26,837.91
BOCA RATON, CITY OF	15,972	637	\$3,520,222.52
BOYNTON BEACH, CITY OF	7,849	586	\$1,808,039.14
BRINY BREEZES, TOWN OF	61	6	\$14,227.77
CLOUD LAKE, TOWN OF	19	7	\$20,317.57
DELRAY BEACH, CITY OF	7,681	755	\$2,605,335.07
GLEN RIDGE, TOWN OF	26	6	\$8,520.02
GOLF, VILLAGE OF	24	3	\$42,999.54
GREENACRES, CITY OF	503	20	\$42,206.73
GULF STREAM, TOWN OF	355	43	\$215,581.04
HAVERHILL, TOWN OF	30	7	\$70,254.16
HIGHLAND BEACH, TOWN OF	4,120	90	\$443,273.13
HYPOLUXO, TOWN OF	1,341	22	\$13,145.43
JUNO BEACH, TOWN OF	1,722	43	\$566,945.73
JUPITER INLET COLONY, TOWN OF	127	17	\$105,470.23
JUPITER, TOWN OF	8,872	480	\$3,251,400.08
LAKE CLARKE SHORES, TOWN OF	211	19	\$27,254.62
LAKE PARK, TOWN OF	861	44	\$622,665.46
LAKE WORTH BEACH, CITY OF	1,442	200	\$747,811.11
LANTANA, TOWN OF	1,167	153	\$1,442,016.22
MANALAPAN, TOWN OF	239	83	\$552,485.98
MANGONIA PARK, TOWN OF	48	13	\$465,502.44
NORTH PALM BEACH, VILLAGE OF	3,963	110	\$367,768.76
OCEAN RIDGE, TOWN OF	1,237	193	\$1,403,890.71
PAHOKEE, CITY OF	169	15	\$45,582.20
PALM BEACH, TOWN OF	7,521	1,201	\$13,635,675.85
PALM BEACH GARDENS, CITY OF	4,711	307	\$1,500,704.43
PALM BEACH SHORES, TOWN OF	736	58	\$889,658.54
PALM SPRINGS, VILLAGE OF	1,291	83	\$182,235.26
RIVIERA BEACH, CITY OF	5,311	267	\$1,447,709.46
ROYAL PALM BEACH, VILLAGE OF	1,093	36	\$233,542.42
SOUTH PALM BEACH, TOWN OF	1,735	65	\$1,400,361.95

TEQUESTA, VILLAGE OF	1,342	75	\$261,270.90
WELLINGTON, VILLAGE OF	676	0	\$0.00
WEST PALM BEACH, CITY OF	8,021	477	\$3,715,504.48

*Unincorporated areas of the county only

Source: As of 10/1/23 from NFIP

ACTION ITEMS

1. **LMS Capital Improvement Projects** selected and implemented as scheduled [updated list of projects (PPL) to be released twice each year]

The PPL contains projects in the following categories:

- Preventive (drainage improvements)
- Structural Flood Control Projects
- Property Protection (Critical Facility mitigation and retrofitting)
- Emergency Services (EOC hardening)

Responsible Party: LMS Evaluation Panel and LMS Steering Committee

Participating/ Benefitting Municipalities: County and all municipalities with PPL projects or project submissions and/or that have representatives participating in LMS Working Group

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Preventive, Structural Flood Control Projects, Property Protection, Emergency Services

Palm Beach County and its municipalities will continue their commitment to NFIP by continuing to:

2. **Enforce the Floodplain Management Ordinance** that regulates new development and substantial improvements in the special flood hazard areas.

- Inform the community by news releases and open public meeting
- Community Outreach
- County Public TV

Responsible Party: County and Municipal Floodplain Managers and Building Officials

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Public Information

3. **Maintain elevation certificates** on file for all new construction in the SFHAs or for substantial improvements to properties in the SFHA.

- Hold county seminars geared toward construction industry and builders

Responsible Party: County and Municipal CRS Coordinators and/or Floodplain Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Public Information

4. **Use best available (flood map) data** for issuing construction permits.

- Public Education Seminars
- Updated mapping provided to each municipality
- Mapping placed in all county libraries

Responsible Party: County and Municipal Building Departments and Floodplain Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Public Information

5. Maintain public records and make them available for review.

- Community outreach
- News releases and county public TV

Responsible Party: County and Municipal CRS Coordinators and/or Floodplain Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management, Public Information

6. Maintain records pertaining to LOMAS, and LOMRS, etc.

Responsible Party: County and Municipal Floodplain Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management

7. Provide information related to flood hazards, flood maps, etc., to the public upon request.

Responsible Party: County and Municipal Floodplain Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management, Public Information

8. Continue community outreach efforts for compliance with the community rating system program.

- Integrate new NFIP information and mapping into already existing strong community presentations
- Incorporate Flooding information into every Emergency Management presentation to the public.

Responsible Party: County and Municipal CRS Coordinators

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Public Information

9. Continue to promote flood insurance to property owners.

- Increase and continue outreach presentations to community and homeowners associations
- Incorporate flood insurance outreach into every emergency management

presentation, increasing the reach of the message throughout the county and municipalities.

Responsible Party: County and Municipal CRS Coordinators

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Public Information, Property Protection

10. Maintain flood hazard publications at the main branch of the library.

Responsible Party: County and Municipal CRS Coordinators

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Public Information

11. Where feasible, continue to identify/acquire land in the SFHA for open space/preservation, seek out opportunities to expand the publicly owned properties that are designated natural and beneficial areas, and encourage the expansion of privately owned open space through PUD open space and land swap regulations.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Natural Resource Protection

12. Promote flood hazard mitigation to the public.

- LMS posted on the County website
- Grant information posted on County website
- Integrate into outreach presentation

Responsible Party: County and Municipal CRS Coordinator, LMS Working Group

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Preventive, Public Information, Property Protection

13. Continue drainage maintenance and drainage system improvement projects.

Encourage more drainage projects throughout the county in all LMS meetings

Responsible Party: County and Municipal Engineering and Utilities Department Leads, LMS Working Group, LMS Steering Committee

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Preventive, Structural

14. Continue floodplain management activities to maintain and/or improve current CRS Class Rating.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators
Participating/ Benefitting Municipalities: County and all CRS participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Floodplain Management

15. Adopt and enforce the floodplain management plan (LMS)

- Schedule quarterly meetings with CRS User Group and invite all 39 municipalities
- Provide continued education and best practices to all municipalities

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group
Participating/ Benefitting Municipalities: County and all CRS participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Floodplain Management

16. Provide a robust community assistance program that includes:

- Community outreach presentations
- Town hall meetings in different municipalities
- Press releases and TV programs
- Telephone information Hotline Floodplain and Mapping questions
- New map pick up information

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators, Public Information Officer
Participating/ Benefitting Municipalities: County and all CRS participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Categories: Public Information, Property Protection

17. Continue outreach to municipalities not yet participating in the CRS/NFIP and encourage program participation. Continue to provide program support to those that do participate.

- Provide continued outreach, best practices to municipalities that are not yet part of the CRS/NFIP
- Document each municipality not a participant in the CRS/NFIP and continue providing them with best practices incentives to participate
- Ensure that municipalities not participating in the CRS/NFIP are members of the LMS working group, allowing them still to receive mitigation information

Responsible Party: County CRS Coordinator
Participating/ Benefitting Municipalities: County and all CRS/NFIP non-participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing with identification of non-participating communities done by Fall 2025 and outreach to each completed by Fall 2026
Category: Floodplain Management

Palm Beach County and its municipalities will continue their commitment to NFIP by continuing to:

- 18. Continue to participate in federal, state, and local mitigation programs and initiatives:** Palm Beach County and its 39 municipalities participate in a full range of federal, state, and local mitigation programs and initiatives. Representative of these programs and initiatives are the

- LMS,
- Community Rating System (CRS),
- National Flood Insurance Program (NFIP),
- Flood Mitigation Assistance Program (FMA),
- Pre-Disaster Mitigation Program (PDM),
- Hazard Mitigation Grant Program (HMGP),
- Emergency Management Preparedness & Assistance Program (EMPA),
- CERT,
- Continuity of Operations,
- Post Disaster Redevelopment Plan (PDRP),
- ESF18, Private-Public Partnerships, counterterrorism, radiological emergency preparedness initiatives, hazardous materials, etc.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management

- 19. Continue to prioritize the reduction of repetitive flood losses and the mitigation of repetitive loss properties/ areas:** The County and its CRS participating municipalities track repetitive loss properties countywide on an ongoing basis using data gathered annually from FEMA and the State's Focus reports.

For mitigation planning and strategy development purposes, LMS maintains updated GIS maps and informational databases of repetitive loss property locations relative to historical flood areas and designated Special Flood Hazard Areas. Repetitive loss properties are an ongoing discussion and planning priority for the LMS, CRS, and Flood Mitigation Technical Advisory committees. These committees, comprised of public and private sector representatives, are encouraged to develop and promote mitigation project ideas and strategies. As a result, a majority of the projects on the Prioritized Project List (PPL) are flood mitigation projects.

In accordance with CRS guidelines, letters are mailed annually to repetitive loss property owners by PBC and municipalities, explaining NFIP program benefits, the availability of mitigation assistance funding through the FMA and other mitigation assistance programs. Non-CRS members of the LMS are encouraged to stay in compliance with NFIP standards. Information and support is provided in a variety of forms to potential FMA applicants to assist them in developing projects and preparing application packages. Through PBC's LMS committee structure, members of the Technical Advisory Committee are available to offer technical guidance and assistance to applicants, including assistance in preparing benefit-cost analyses.

Mitigation projects are prioritized and implemented according to their direct potential for loss reduction or for their potential in contributing to longer-term, comprehensive plans and strategies for loss reduction. Once projects are underway, it is the responsibility of each jurisdiction to support and monitor performance in accordance with FEMA, state and local guidelines and codes, and to oversee and coordinate documentation and funding processes.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators
Participating/ Benefitting Municipalities: County and all NFIP participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Floodplain Management

- 20. Continue involving the Planning, Zoning, and Building, Fire-Rescue, and other departments in LMS activities:** This participation includes committee participation, which bolsters communication among key agencies and the LMS. This also helps ensure that mitigation interests are appropriately represented in local building codes, fire codes, land-use ordinances, flood loss prevention ordinances, and other governing documentation.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group, LMS Steering Committee
Participating/ Benefitting Municipalities: County and all NFIP participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Floodplain Management

- 21. Continue implementing a variety of community awareness, outreach and education activities:** This includes presentations, workshops, expos, panel discussions, plan reviews, publications, websites, etc. prepared and presented utilizing networks of public-private sector partners. As opportunities present themselves, lending institutions and insurers are urged to provide financial incentives for mitigation. Jurisdictions are urged to accelerate permitting and inspections and, if allowable, to waive or reduce fees for mitigation projects. In addition to mitigation incentives, millions of dollars of annual insurance premium savings are realized by a significant segment of PBC residents residing within the County's CRS participating jurisdictions.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators, Public Information Officer
Participating/ Benefitting Municipalities: County and all NFIP participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Public Information

- 22. Identify, prioritize, and implement projects aimed at avoiding and/or reducing long-term vulnerability to the hazards identified by the hazard identification and risk assessment processes.** A more detailed description of the hazards, as well as recommended strategies, programs, and actions, are contained in the body of the plan and reflected in the list of prioritized projects in Appendix E. Under the committee structure of the LMS program, increased attention is given to expanding and refining hazard-specific mitigation strategies exclusive of jurisdictional boundaries, capabilities, and interests, and to giving appropriate attention to mitigation in planning future land uses (see Appendix C).

The process and criteria employed for ranking mitigation projects and initiatives are described in detail in Section 4.0 of the LMS plan. In response to federal guidelines applying to grant awards through the Pre-Disaster Mitigation, Flood Mitigation Assistance, and HMGPs, particular emphasis is given to technically feasible and environmentally responsible projects having attractive ratios of loss reduction benefits to cost. Projects involving worthy benefits that are difficult to quantify are given serious consideration, in light of different sets of criteria and are referred to appropriate alternative funding sources not requiring stringent benefit-cost justifications.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group, LMS Steering Committee and LMS Evaluation Panel

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management

- 23. Continue to maintain and implement Post Disaster strategies and policies.** Short-term and long-term post disaster recovery strategies are addressed by the County and municipal Continuity of Operations Plans, the CEMPs, the Post-Disaster Redevelopment Plans, and specialized plans and procedures covering key recovery issues such as debris removal, public services resumption, temporary housing, unmet needs, etc. These plans, procedures, and projects address and provide guidance on priorities, processes, schedules, resource requirements, restoration, and redevelopment of critical facilities, infrastructure, services, and economic redevelopment.

Post-disaster mitigation initiatives are developed in response to needs and opportunities identified through collective federal, state, and local inputs following the guidance offered by the Post Disaster Redevelopment Plan. The County and LMS members are also available to work with state and federal Mitigation Assessments Teams. It is the goal following disasters to rebuild to a higher standard (meeting or exceeding codes) and, whenever practicable, to apply sound mitigation practices to reduce future risk.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators and Emergency Managers

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Post Disaster, Emergency Response, Floodplain Management

- 24. Maintain and implement the Comprehensive Plans (COMP) of PBC and the Municipalities.** These plans include some or all of the following elements: Land Use, Transportation, Housing, Utility, Recreation and Open Space, Conservation, Coastal Management, Intergovernmental Coordination, Capital Improvement, Economic, Fire-Rescue, Public School Facilities, Health and Human Services, Library Services and Historic Preservation. These elements define the components of the community and the inter-relationship among them, integrating the complex relationships of each of these elements in reference to the people who live, work, and visit PBC. When the Comp Plan is updated, critical components of the LMS will be reviewed and included in the comprehensive planning process. Agreement and overlap between the COMP plan and LMS will be incorporated into the COMP plan.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators and Planning Department

Participating/ Benefitting Municipalities: County and all NFIP participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Floodplain Management

25. **Encourage municipalities to draft a Floodplain Species Assessment and Plan** which will help identify any listed species having ranges and/or habitat within the floodplain as well as identify possible floodplain management actions that can be implemented to benefit the species of concern.

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators and Offices of Sustainability & Resiliency

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Category: Natural Resource Protection

26. **Continue to ensure that all flood control structures are properly maintained and operated.**

Responsible Party: County and Municipal Floodplain Managers and/or CRS Coordinators and Engineering Department, in collaboration with South Florida Water Management District and local Drainage Districts

Participating/ Benefitting Municipalities: County and all CRS participating municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Structural, Preventive

27. **Draft a County Watershed Master Plan to include Climate Change/Sea Level Rise Planning** (currently underway) and encourage municipalities to either draft their own or adopt the County Plan.

Responsible Party: County and Municipal Floodplain Managers and Offices of Sustainability & Resiliency in collaboration with participating universities and engineering firms

Participating/ Benefitting Municipalities: County and all participating municipalities

Possible Funding: Staff Time and State Grant Funding

Timeframe: Ongoing county-wide with completion expected by next plan update in 2029

Categories: Floodplain Management, Regulatory/Current & Future Conditions, Structural, Preventive

28. **Encourage municipalities to review and update County or municipality ordinances** that relate to Floodplain Management as needed. Consolidation, updates, and revisions will be considered.

Responsible Party: County and Municipal Floodplain Managers and Planning Departments

Participating/ Benefitting Municipalities: County and all municipalities

Possible Funding: Staff Time

Timeframe: Ongoing with an ordinance review conducted annually

Categories: Floodplain Management, Regulatory/Current & Future Conditions

29. **Continue to conduct /leverage existing and ongoing hydrogeological studies to inform County/ municipality efforts and policies,** to include collaboration with the Southeast Florida Regional Climate Change Compact.

Responsible Party: County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Planning Departments as needed, in collaboration with the Southeast Florida Regional Climate Change Compact
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Categories: Floodplain Management, Regulatory/Current & Future Conditions

30. Focus on water quality, restoring natural hydrologic regimes, and maintaining the baseline of ecology to avoid natural system degradation.

Responsible Party: County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Engineering Departments as needed, in collaboration with other agencies such as PBC ERM, SFWMD, DEP, ACoE and FWC
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Natural Resource Protection

31. Develop early warning systems and social media applications to both inform residents and visitors of extreme high-tide events and to raise overall awareness on sea level rise and climate change issues.

Responsible Party: County and Municipal Emergency Managers and Public Information Officers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Emergency Services

32. Annually update the list of Critical Facilities in the County. Currently the County maintains a county-wide list against which each municipality can compare their Critical Facility lists.

Responsible Party: County and Municipal Emergency Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Emergency Services

33. Post the Palm Beach County Hurricane Survival Guide on the County website in a location that is easily accessed by the community. Encourage individual municipalities to post and distribute it as well.

Responsible Party: County and Municipal Emergency Managers and Public Information Officers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Public Information

- 34. Collaborate with the Southeast Florida Regional Climate Change Compact** as they make recommendations for land development standards with respect to low-lying coastal areas, the designation of adaptation action areas and sea level rise adaptations. The input will be incorporated into all updates of the LMS, Storm water Master Plan and the Comprehensive Plan.

Responsible Party: County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Planning Departments as needed, in collaboration with the Southeast Florida Regional Climate Change Compact

Participating/ Benefitting Municipalities: County and all municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Regulatory/Current & Future Conditions

- 35. Draft and implement a County-wide Vulnerability Study and Risk Assessment** which will generate a separate adaptation specific action plan. This plan will benefit all jurisdictions within the County.

Responsible Party: County and Municipal Floodplain Managers and Offices of Sustainability & Resiliency in collaboration with participating universities and engineering firms

Participating/ Benefitting Municipalities: County and all participating municipalities

Possible Funding: Staff Time and State Grant Funding

Timeframe: Ongoing county-wide with completion expected by next plan update in 2029

Categories: Floodplain Management, Regulatory/Current & Future Conditions

- 36. Review and update floodplain regulations** in order to accommodate re-mapping of the County, addition of V Zones and consideration of future conditions.

Responsible Party: County and Municipal Floodplain Managers and Planning Departments

Participating/ Benefitting Municipalities: County and all municipalities, especially re-mapped municipalities expected to gain V-Zones

Possible Funding: Staff Time

Timeframe: Ongoing county-wide, with each affected municipality to complete an ordinance review and update before adoption of new maps and annually thereafter

Categories: Floodplain Management, Regulatory/Current & Future Conditions

- 37. Support County and municipal Resiliency Departments** which will be focused on helping communities adapt to future conditions.

Responsible Party: County and Municipal Floodplain Managers and Offices of Sustainability & Resiliency

Participating/ Benefitting Municipalities: County and all municipalities

Possible Funding: Staff Time

Timeframe: Ongoing

Categories: Floodplain Management, Regulatory/Current & Future Conditions

Action Items related to Post Disaster Planning

- 38. Maintain and adhere to the Post-Disaster Redevelopment Plan (PDRP) policies as defined in the County and municipality Post Disaster Plans.** Review and update the plan in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans*. Encourage communities to adopt County Plan in absence of their own.

Responsible Party: County and Municipal Emergency Managers and Floodplain Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans*
Categories: Post Disaster, Emergency Services, Floodplain Management

- 39. Maintain and adhere to County and municipality Comprehensive Emergency Management Plan (CEMP).** Review and update the plan in accordance County SOG PL-009 *Review and Maintenance of DEM Plans*. Encourage communities to adopt County Plan in absence of their own.

Responsible Party: County and Municipal Emergency Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans* **Categories:** Post Disaster, Emergency Services

- 40. Review the County and municipality Flood Hazard Specific Plan (HSP)** Review and update the plan in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans* and implement the procedure when flooding is eminent, to provide residents with vital information before, during and after the flood. Information includes:

- life safety,
- property protection,
- property recovery and
- availability of disaster assistance.

Responsible Party: County and Municipal Emergency Managers, CRS Coordinators and Public Information Officers
Participating/ Benefitting Municipalities: County and all CRS participating municipalities
Possible Funding: Staff Time
Timeframe: Ongoing in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans*
Categories: Post Disaster, Emergency Services, Public Information

- 41. Maintain and adhere to County and municipality Continuity of Operations Plan (COOP)** Review and update the plan in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans*. Encourage communities to adopt County Plan in absence of their own.

Responsible Party: County and Municipal Emergency Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing in accordance with County SOG PL-009 *Review and Maintenance of DEM Plans* **Categories:** Post Disaster, Emergency Services

- 42. Assess the need for, and if needed, request assistance from other communities** by way of FDEM, utilizing the Statewide Mutual Aid Agreement (SMAA).

Responsible Party: County and Municipal Emergency Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Emergency Services, Floodplain Management

43. **Continue emergency building permit regulations and procedures.** After a major storm event the Building Department can issue emergency permits in the field. The resident is required to formally apply for the permit later.
- Responsible Party:** County and Municipal Building Officials and Floodplain Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Floodplain Management
44. **Based on availability and prioritized needs, provide knowledgeable staff to assist citizens before, during, and after a flood event** to help them understand their options for repairing/ rebuilding/ flooding/ mitigation. Integrate response to flooded homes with appropriate response organizations (Red Cross, faith-based organizations, other non-profit entities, Community Emergency Response Team (CERT), etc.)
- Responsible Party:** County and Municipal Floodplain Managers or CRS Coordinators and Emergency Managers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Emergency Services, Public Information, Floodplain Management
45. **Immediately prior to, during and after a hurricane or flood event, post pertinent information** concerning major points of interest, such as bridge and road closures, evacuation orders, emergency shelter locations and electrical outages, utilizing various media.
- Responsible Party:** County and Municipal Floodplain Managers or CRS Coordinators and Emergency Managers in collaboration with Public Information Officers
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Emergency Services, Public Information
46. **Encourage municipalities to begin formally documenting High Water marks** after flooding occurs. The County will work with staff to evaluate the feasibility of establishing procedures for identifying and recording High Water marks using guidance provided in the Florida Post Disaster Toolkit for Floodplain Administrators. Some municipalities in the County are already doing this. Communities can be encouraged to develop or continue utilizing compatible procedures for formally documenting High Water marks after floods, so that information can be collected in a standardized format throughout the County.
- Responsible Party:** County and Municipal Floodplain Managers or CRS Coordinators
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Floodplain Management
47. **Encourage municipalities to develop a Substantial Damage/ Substantial Improvement Plan** to help facilitate post-disaster operations and train licensed Building Inspectors and Plan Reviewers in SD/SI procedures.

Responsible Party: County and Municipal Floodplain Managers or CRS Coordinators and Building Officials
Participating/ Benefitting Municipalities: County and all municipalities
Possible Funding: Staff Time
Timeframe: Ongoing
Category: Post Disaster, Floodplain Management

Palm Beach County 2023 Review of Possible Activities

Action Items Reviewed (from 2020 LMS)

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating/ Benefiting Municipalities	Timeframe
Reference to the PPL Process							
LMS Capital Improvement Projects selected and implemented as scheduled [updated list of projects (PPL) to be released twice each year]	The PPL contains projects in the following categories (?): <ul style="list-style-type: none"> ▪ Preventive (drainage improvements) ▪ Structural Flood Control Projects ▪ Property Protection (Critical Facility mitigation and retrofiting) ▪ Emergency Services (EOC hardening) 	Yes 1	Vital Component	Various Sources, HMGP, BRIC, FMA	LMS Steering Subcommittee	County and all municipalities with PPL projects or project submissions and/or that have representatives participating in LMS Working Group	Reviewed twice annually and updated twice annually
Review Appendix] (from 2020 LMS): NFIP and CRS Status and Activities Palm Beach County and its municipalities will continue their commitment to NFIP by continuing to:							
<p>Enforce the Floodplain Management Ordinance that regulates new development and substantial improvements in the special flood hazard areas.</p> <ul style="list-style-type: none"> o Inform the community by news releases and open public meeting o Community Outreach o County Public TV <p>Notes: Previous to the 2020 LMS there were regulation changes that were being advertised and jurisdictions were being encouraged to adopt. When new coastal FIRMs become effective, jurisdictions will need to modify and re-address regulations and then advertise.</p>	<ul style="list-style-type: none"> ▪ Floodplain management ▪ Public Information 	Yes 2	NFIP Required	Staff time	County and Municipal Floodplain Managers and Building Officials	County and all NFIP participating municipalities	Ongoing

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Blue Text - Notes from discussion, not included in final Action Plan
Text with light gray fill - Items related to review the of policies and ordinances

**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>Maintain elevation certificates on file for all new construction in the SPHAs or for substantial improvements to properties in the SPHA.</p> <ul style="list-style-type: none"> o county seminars geared toward construction industry and builders 	<ul style="list-style-type: none"> ▪ Floodplain management ▪ Public Information 	Yes 3	NRIP Required	Staff time	County and Municipal CRS Coordinators and/or Floodplain Managers	County and all NRIP participating municipalities	Ongoing
<p>Use best available (flood map) data for issuing construction permits.</p> <ul style="list-style-type: none"> o Public Education Seminars o Updated mapping provided to each municipality o Mapping placed in all county libraries 	<ul style="list-style-type: none"> ▪ Floodplain Management ▪ Public Information 	Yes 4	NRIP Required	Staff time	County and Municipal CRS Coordinators and/or Floodplain Managers	County and all NRIP participating municipalities	Ongoing
<p>Maintain public records and make them available for review.</p> <ul style="list-style-type: none"> o Community outreach o News releases and county public TV 	<ul style="list-style-type: none"> ▪ Public Information 	Yes 5	NRIP Required	Staff time	County and Municipal CRS Coordinators and/or Floodplain Managers	County and all NRIP participating municipalities	Ongoing
<p>Maintain records pertaining to LOMAS, and LOMRS, etc.</p>	<ul style="list-style-type: none"> ▪ Floodplain management 	Yes 6	NRIP Required	Staff time	County and Municipal Floodplain Managers	County and all NRIP participating municipalities	Ongoing
<p>Provide information related to flood hazards, flood maps, etc., to the public upon request.</p>	<ul style="list-style-type: none"> ▪ Public Information 	Yes 7	NRIP Required	Staff time	County and Municipal Floodplain Managers	County and all NRIP participating municipalities	Ongoing
<p>Continue community outreach efforts for compliance with the community rating system program.</p> <ul style="list-style-type: none"> o Integrate new NRIP information and mapping into already existing strong community presentations o Incorporate Flooding information into every Emergency Management presentation to the public. <p>Notes: Included in Program for Public Information (PPI)</p>	<ul style="list-style-type: none"> ▪ Public Information 	Yes 8	Effective CRS Program Component	Staff time	County and Municipal CRS Coordinators	County and all CRS participating municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeline
<p>Continue to promote flood insurance to property owners.</p> <ul style="list-style-type: none"> o Increase and continue outreach presentations to community and homeowners' associations o Incorporate flood insurance outreach into every emergency management presentation, increasing the reach of the message throughout the county and municipalities. <p>Notes: Included in Program for Public Information (PPI)</p>	<ul style="list-style-type: none"> Public Information Property Protection 	Yes 9	Effective CRS Program Component	Staff time	County and Municipal CRS Coordinators	County and all CRS participating municipalities	Ongoing
<p>Maintain flood hazard publications at the main branch of the library.</p>	<ul style="list-style-type: none"> Public Information 	Yes 10	Effective CRS Program Component	Staff time	County and Municipal CRS Coordinators	County and all CRS participating municipalities	Ongoing
<p>Where feasible, continue to identify/acquire land in the SFHA for open space/preservation, <u>seek out opportunities to expand the publicly owned properties that are designated natural and beneficial areas, and encourage the expansion of privately owned open space through PUUD open space and land swap regulations.</u></p>	<ul style="list-style-type: none"> Natural Resource Protection 	Yes 11	Effective CRS Program Component Open Space designations reduce loss exposure and protect natural resources	Staff time	County and Municipal CRS Coordinators and/or Floodplain Managers, Department of Environmental Resource Management	County and all CRS participating municipalities	Ongoing
<p>Promote hazard flood mitigation to the public.</p> <ul style="list-style-type: none"> o LMS posted on the County website o Grant information posted on County website o Integrate into outreach presentation 	<ul style="list-style-type: none"> Floodplain Management Preventive Public Information Property Protection 	Yes 12	Effective CRS Program Component	Staff time	County and Municipal CRS Coordinator, LMS Working Group	County and all CRS participating municipalities	Ongoing
<p>Continue drainage maintenance and drainage system improvement projects.</p> <ul style="list-style-type: none"> o Encourage more drainage projects throughout the county in all LMS meetings 	<ul style="list-style-type: none"> Preventive Structural 	Yes 13	Drainage improvement is critical to flood prevention and loss reduction	Staff time	County and Municipal Engineering and Utilities Department Leads, LMS Working Group, LMS Steering Committee	County and all NRIP participating municipalities	Ongoing

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Palm Beach County LMS 2023 Review of Possible Activities

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>Continue floodplain management activities to maintain a Class 5 and/or improve CRS Class Rating.</p> <p><i>Notes: Wording changed to broaden application to all CRS participating municipalities</i></p>	<ul style="list-style-type: none"> Floodplain Management 	Yes 14	Improves floodplain management and earns insurance discounts	Stafftime	County and Municipal CRS Coordinators and/or Floodplain Managers	County and all CRS participating municipalities	Ongoing
<p>Adopt and enforce the floodplain management plan (LMS)</p> <ul style="list-style-type: none"> Schedule quarterly meetings with CRS User Group and invite all 39 municipalities Provide continued education and best practices to all municipalities 	<ul style="list-style-type: none"> Floodplain Management 	Yes 15	Effective CRS Program Component	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group	County and all CRS participating municipalities	Ongoing
<p>Provide a robust community assistance program</p> <ul style="list-style-type: none"> Community outreach presentations Town hall meetings in different municipalities Press releases and TV programs Telephone information Hotline Floodplain and Mapping questions New map pick up information 	<ul style="list-style-type: none"> Public Information Property Protection 	Yes 16	Benefits residents and improves community resiliency/ recovery	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators, Public Information Officer	County and all CRS participating municipalities	Ongoing
<p>Outreach to municipalities not participating in the CRS/NFIP</p> <ul style="list-style-type: none"> Provide continued outreach, best practices to municipalities that are not part of the CRS/NFIP Document each municipality not a participant in the CRS/NFIP and continue providing them with best practices incentives to participate Ensure that municipalities not participating in the CRS/NFIP are members of the LMS working group, allowing them still to receive mitigation information 	<ul style="list-style-type: none"> Floodplain management 	Yes 17	CRS/ NFIP participation strengthens floodplain management and earns insurance discounts	Stafftime	County CRS Coordinator	County and all CRS/NFIP non-participating municipalities	Ongoing with identification of non-participating communities done by Fall 2025 and outreach to each completed by Fall 2026

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Palm Beach County LMS 2023 Review of Possible Activities

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeline
<p>Review Appendix B (from 2020 LMS): Countywide Mitigation Initiatives, addressing in part, the following satisfying FEMA's LMS and Mitigation Planning requirements:</p> <ul style="list-style-type: none"> Requirement §201.6(c)(3)(i): The hazard mitigation strategy shall include a description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards. Requirement §201.6(c)(3)(ii): The mitigation strategy shall include a section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure. The mitigation strategy must also address the jurisdiction's participation in the National Flood Insurance Program (NFIP), and continued compliance with NFIP requirements, as appropriate. Requirement §201.6(c)(3)(iii): The mitigation strategy section shall include an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost-benefit review of the proposed projects and their associated costs. 							
<p>Continue: Palm Beach County and its 39 municipalities participate in a full range of federal, state, and local mitigation programs and initiatives. Representative of these programs and initiatives are the</p> <ul style="list-style-type: none"> Local Mitigation Strategy (LMS), Community Rating System (CRS), National Flood Insurance Program (NFIP), Flood Mitigation Assistance Program (FMA), Pre-Disaster Mitigation Program (PDM), Hazard Mitigation Grant Program (HMGP), Emergency Management Preparedness & Assistance Program (EMPA), CBRT, Continuity of Operations, Post-Disaster Redevelopment Plan (PDRP), ESF18, Private-Public Partnerships, counter-terrorism, radiological emergency preparedness initiatives, hazardous materials, etc. 	<ul style="list-style-type: none"> Floodplain management 	Yes 18	Benefits residents and improves community resiliency/recovery	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators	County and all NFIP participating municipalities	Ongoing
<p>Continue to prioritize the reduction of repetitive flood losses to properties:</p> <p>The County and its CRS participating municipalities track repetitive loss properties countywide on an ongoing basis using data gathered annually from FEMA and the State's Focus reports.</p> <p>For mitigation planning and strategy development purposes, LMS maintains updated GIS maps and informational databases of repetitive loss property locations relative to historical flood areas and designated Special Flood Hazard Areas. Repetitive loss properties are an ongoing discussion and planning priority for the LMS, CRS, and Flood Mitigation Technical Advisory committees. These committees, comprised of public and private sector representatives, are encouraged to develop and promote mitigation</p>	<ul style="list-style-type: none"> Floodplain Management Property Protection 	Yes 19	Effective CRS Program Component RLPs account for significant losses that can be reduced through targeted mitigation efforts & outreach	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators	County and all NFIP participating municipalities	Ongoing

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Palm Beach County LMS 2023 Review of Possible Activities

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>project ideas and strategies. As a result, a majority of the projects on the Prioritized Project List (PPL) are flood mitigation projects.</p> <p>In accordance with CRS guidelines, letters are mailed annually to repetitive loss property owners by PBC and municipalities, explaining NFIP program benefits, the availability of mitigation assistance funding through the FMA and other mitigation assistance programs. Non-CRS members of the LMS are encouraged to stay in compliance with NFIP standards. Information and support is provided in a variety of forms to potential FMA applicants to assist them in developing projects and preparing application packages. Through PBC's LMS committee structure, members of the Technical Advisory Committee are available to offer technical guidance and assistance to applicants, including assistance in preparing benefit-cost analyses.</p> <p>Mitigation projects are prioritized and implemented according to their direct potential for loss reduction or for their potential in contributing to longer-term, comprehensive plans and strategies for loss reduction. Once projects are underway, it is the responsibility of each jurisdiction to support and monitor performance in accordance with FEMA, state and local guidelines and codes, and to oversee and coordinate documentation and funding processes.</p>							
<p><u>Continue involving the involvement of Planning, Zoning, and Building, Fire-Rescue, and other departments in LMS activities, including committee participation, bolsters communication among key agencies and the LMS. This ensures that mitigation interests are appropriately represented in local building codes, fire codes, land-use ordinances, flood loss prevention ordinances, and other governing documentation.</u></p>	<ul style="list-style-type: none"> Floodplain management 	Yes 2D	Effective CRS Program Component	Staff time	County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group, LMS Steering Committee	County and all NFIP participating municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>Continue implementing a variety of community awareness and education activities including presentations, workshops, expos, panel discussions, plan reviews, publications, websites, etc. prepared and presented utilizing networks of public-private sector partners. As opportunities present themselves, lending institutions and insurers are urged to provide financial incentives for mitigation. Jurisdictions are urged to accelerate permitting and inspections and, if allowable, to waive or reduce fees for mitigation projects. In addition to mitigation incentives, millions of dollars of annual insurance premium savings are realized by a significant segment of PBC residents residing within the County's CRS participating jurisdictions.</p>	<ul style="list-style-type: none"> Public information 	Yes 21	Effective CRS Program Component	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators, Public Information Officer	County and all NRIP participating municipalities	Ongoing
<p>Identify, prioritize, and implement projects aimed at avoiding and/or reducing avoid and/or reduce long-term vulnerability to hazards identified by the hazard identification and risk assessment processes. More detailed descriptions of the strategies, programs, and actions are contained in the body of the plan and reflected in the list of prioritized projects in Appendix E. Under the committee structure of the LMS program, increased attention is given to expanding and refining hazard-specific mitigation strategies exclusive of jurisdictional boundaries, capabilities, and interests, and to giving appropriate attention to mitigation in planning future land uses (see Appendix C).</p> <p>The process and criteria employed for ranking mitigation projects and initiatives are described in detail in Section 4.D of the LMS plan. In response to federal guidelines applying to grant awards through the Pre-Disaster Mitigation, Flood Mitigation Assistance, and HMGP, particular emphasis is given to technically feasible and environmentally responsible projects having attractive ratios of loss reduction benefits to cost. Projects involving worthy benefits that are difficult to quantify are given serious consideration, in light of different sets of criteria and are referred to a appropriate alternative funding sources not requiring stringent benefit-cost justifications.</p>	<ul style="list-style-type: none"> Floodplain Management 	Yes 22	Effective CRS Program Component	Stafftime	County and Municipal Floodplain Managers and/or CRS Coordinators, LMS Working Group, LMS Steering Committee and LMS Evaluation Panel	County and all NRIP participating municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category/ Categories	Determination/ Rank	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>Continue to maintain and implement Post Disaster strategies and policies: Short-term and long-term recovery strategies are addressed by the County and municipal Continuity of Operations Plans, the CEMP, the Post-Disaster Redevelopment Plan, and specialized plans and procedures covering key recovery issues such as debris removal, public services resumption, temporary housing, unmet needs, etc. These plans, procedures, and projects address and provide guidance on priorities, processes, schedules, resource requirements, restoration, and redevelopment of critical facilities, infrastructure, services, and economic redevelopment.</p> <p>Post-disaster mitigation initiatives are developed in response to needs and opportunities identified through collective federal, state, and local inputs following the guidance offered by the Post Disaster Redevelopment Plan. The County and LMS members are also available to work state and federal Mitigation Assessments Teams. It is goal following disasters to rebuild to a higher standard (meeting or exceeding codes) and, whenever practicable, to apply sound mitigation practices to reduce future risk.</p>	<ul style="list-style-type: none"> Post Disaster Emergency Management Floodplain Management 	Yes 23	Effective CRS Program Component Benefits residents and improves community resiliency/ recovery	Staff time	County and Municipal Floodplain Managers and/or CRS Coordinators and Emergency Managers	County and all NFIP participating municipalities	Ongoing
<p>Maintain and implement the PBC Comprehensive Plans (COMP) of PBC and the Municipalities which includes the following elements: Land Use, Transportation, Housing, Utility, Recreation and Open Space, Conservation, Coastal Management, Intergovernmental Coordination, Capital Improvement, Economic, Fire-Rescue, Public School Facilities, Health and Human Services, Library Services and Historic Preservation. These elements define the components of the community and the inter-relationship among them, integrating the complex relationships of each of these elements in reference to the people who live, work, and visit PBC. Linkages of the COMP plan and LMS have been incorporated into the COMP plan.</p>	<ul style="list-style-type: none"> Floodplain management 	Yes 24	Effective CRS Program Component Benefits residents and improves community resiliency/ recovery	Staff time	County and Municipal Floodplain Managers and/or CRS Coordinators and Planning Department	County and all NFIP participating municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible NEW Action Items Reviewed for inclusion

Possible Action Plan Items	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Other Possible Action Items							
Continue to ensure that all flood control structures are properly maintained and operated	<ul style="list-style-type: none"> Preventive Structural Flood Control Projects 	Yes 26	Maintain standards of service and reduce losses	Staff time	County and Municipal Floodplain Managers and/or CRS Coordinators and Engineering Department, in collaboration with South Florida Water Management District and local Drainage Districts	County and all CRS participating municipalities	Ongoing
Draft a County Watershed Master Plan to include Climate Change/Sea Level Rise <u>Planning (currently underway) and encourage municipalities to either draft their own or adopt the County Plan.</u>	<ul style="list-style-type: none"> Preventive Structural Flood Control Projects Regulatory/Current & Future Conditions 	Yes 27	Watershed Master Plan is a valuable tool for floodplain management and an effective component of CRS Program	Staff time and State grant funding	County and Municipal Floodplain Managers, Offices of Sustainability & Resiliency in collaboration with participating universities and engineering firms	County and all participating municipalities	Ongoing county-wide with completion expected by next LMS plan update in 2029

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**Palm Beach County LMS
2023 Review of Possible Activities**

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Encourage municipalities to review and update any County ordinances that relate to Floodplain Management as needed. Consolidation, updates, and revisions will be considered.	<ul style="list-style-type: none"> Regulatory/Current & Future Conditions Floodplain management 	Yes 28	Regulation is critical to effective floodplain management	Stafftime	County and Municipal Floodplain Managers and Planning Departments	County and all municipalities	Ongoing with an ordinance review conducted annually
Encourage developing provisions for low-impact stormwater design management practices and include drainage solutions such as the use of pervious concrete and pavement.	<ul style="list-style-type: none"> Preventive Floodplain Management Regulatory Natural Resource Protection 	No	Too vague, already covered by other action items				
Continue to conduct /leverage existing and ongoing hydrogeological studies to inform County efforts and policies, to include collaboration with the Southeast Florida Regional Climate Change Compact as they make recommendations for land development standards with respect to low-lying coastal areas, the designation of adaption action areas and sea level rise adaptations. The input will be incorporated into all updates of the Watershed Master Plan and the Comprehensive Plan.	<ul style="list-style-type: none"> Preventive Floodplain Management Regulatory/Current & Future Conditions 	Yes 29		Stafftime	County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Planning Departments as needed, in collaboration with the Southeast Florida Regional Climate Change Compact	County and all municipalities	Ongoing
Encourage individual property owners to pursue percolation-oriented drainage improvements using best management practices through outreach and education. Drainage that seeps into the soil, rather than being directed out to the ocean, provides multiple benefits. Not only does it mitigate flooding, but it also recharges the aquifer, enhances water quality, and reduces erosion.	<ul style="list-style-type: none"> Preventative Natural Resource Protection 	No	Already part of robust floodplain management program				

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**Palm Beach County LMS
2023 Review of Possible Activities**

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Implement strict enforcement of best management practices for reducing erosion during development activity.	<ul style="list-style-type: none"> Natural Resource Protection 	No	Already required and enforced				
Focus on water quality, restoring natural hydrologic regimes, and maintaining the baseline of ecology to avoid natural system degradation.	<ul style="list-style-type: none"> Natural Resource Protection 	Yes 30	Currently a high priority	Staff time	County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Engineering Departments as needed, in collaboration with other agencies such as SFWMD, DEP, ACoE and FWC	County and all municipalities	Ongoing
Develop early warning systems and social media applications to both inform residents and visitors of extreme high-tide events and to raise overall awareness on sea level rise and climate change issues.	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes 31	Utilization of modern media channels is critical to public safety	Staff time	County and Municipal Emergency Managers and Public Information Officers	County and all municipalities	Ongoing
Consider roadway signage prior to the events for tidal flooding zones.	<ul style="list-style-type: none"> Emergency Services Public Information 	No	Too community specific				
Place/ maintain flood sensors in water bodies.	<ul style="list-style-type: none"> Emergency Services 	No	Community specific, for PPL				
Maintain a reverse 911 system to deliver warning messages.	<ul style="list-style-type: none"> Emergency Services Public Information 	No	Already in place				

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Annually update the list of Critical Facilities in the County. <u>Currently the County maintains a county-wide list against which each municipality can compare their Critical Facility lists.</u>	<ul style="list-style-type: none"> Emergency Services 	Yes 32	Critical for public safety, opportunity to strengthen County & municipal coordination	Staff time	County and Municipal Emergency Managers	County and all municipalities	Ongoing
Ensure adherence to the County's Comprehensive Emergency Management Plan (CEMP), particularly in the event of evacuation orders. Key components of the procedures should be reviewed before June 1st of each year.	<ul style="list-style-type: none"> Emergency Services 	Yes, but not here	Moved to "Post Disaster"				
Post the Palm Beach County Hurricane Survival Guide on the County website in a location that is easily accessed by the community.	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes 33	Reliable source of information trusted by the public	Staff time	County and Municipal Emergency Managers and Public Information Officers	County and all municipalities	Ongoing
Evaluate the LMS, particularly the PPL, annually and update every 5 years.	<ul style="list-style-type: none"> Floodplain Management Regulatory Preventive 	No	Duplication of first action item				
Immediately prior to, during and after a hurricane or flood event, post pertinent information concerning major points of interest, such as bridge and road closures, evacuation orders, emergency shelter locations and electrical outages, utilizing various media.	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes, but not here	Moved to "Post Disaster"				
Integrate response to flooded homes with appropriate response organizations (Red Cross, faith-based organizations, other non-profit entities, Community Emergency Response Team (CERT), etc.).	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes, but not here	Moved to "Post Disaster"				

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Advertise the availability of evacuation assistance prior to an emergency	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes, but not here	Moved to "Post Disaster"				
Based on availability and prioritized needs, provide knowledgeable staff to assist citizens before, during, and after a flood event to help them understand their options for repairing/ rebuilding/ mitigating.	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes, but not here	Moved to "Post Disaster"				
Continue to support the County's efforts to improve its classification in the Community Rating System, thus enhancing the County's flood mitigation efforts while securing insurance premium rewards for its residents and businesses.	<ul style="list-style-type: none"> Floodplain Management Regulatory Preventive 	No	Duplication of previous action item				
Continue emergency building permit regulations and procedures. After a major storm event the Building Department can issue emergency permits in the field. The resident is required to formally apply for the permit later.	<ul style="list-style-type: none"> Emergency Services Property Protection 	Yes, but not here	Moved to "Post Disaster"				
Continue to require designation of open space property for all major development and incentives	<ul style="list-style-type: none"> Natural Resource Protection Preventive Regulatory 	No	Already included in regulation review and update				
The County will continue to require that installation of stormwater management facilities made necessary by new development is the responsibility of the developer.	<ul style="list-style-type: none"> Floodplain Management Regulatory Preventive 	No	Already included in regulation review and update				

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>When responding to resident inquiries staff will encourage the elevation of existing property, property acquisitions, and/or appropriate flood-proofing techniques, such as:</p> <ul style="list-style-type: none"> • Elevating appliances and utilities • Utilizing flood walls, gates and barriers • Utilizing flood openings and vents • Installing flood resistant landscaping • Using flood resistant building materials • Installing drains and pumps • Sealing against seepage • Elevating points of entry such as doors and windows 	<ul style="list-style-type: none"> ▪ Property Protection ▪ Preventative 	No	Community specific, will need more information before including this activity County-wide				
<p>Collaborate with the Southeast Florida Regional Climate Change Compact as they make recommendations for land development standards with respect to low-lying coastal areas, the designation of adaptation action areas and sea level rise adaptations. The input will be incorporated into all updates of the Stormwater Master Plan and the Comprehensive Plan.</p>	<ul style="list-style-type: none"> ▪ Floodplain Management ▪ Regulatory/Current & Future Conditions ▪ Preventive ▪ Natural Resource Protection 	Yes 34	Regulating for future conditions is a high priority	Staff time	County and Municipal Floodplain Managers, engaging Offices of Sustainability & Resiliency and Planning Departments as needed, in collaboration with the Southeast Florida Regional Climate Change Compact	County and all municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Reviewed Action Items related to Post Disaster Planning (10 points)

Possible Action Plan Items - Post Disaster	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Maintain and adhere to the Post-disaster policies as defined in the County Post Disaster Plan. Review the plan annually and update every 5 years or as needed.	<ul style="list-style-type: none"> Floodplain Management Emergency Services Post Disaster 	Yes 38	Benefits residents and improves community resiliency/ post disaster recovery	Staff Time	County and Municipal Emergency Managers and Floodplain Managers	County and all municipalities	Ongoing with annual plan review and update every 5 years or as needed
Maintain and adhere to County Comprehensive Emergency Response Plan (CEMP). Review plan annually by June 1 st of each year and update every 5 years or as needed. Encourage communities to adopt County Plan in absence of their own.	<ul style="list-style-type: none"> Emergency Services Post Disaster 	Yes 39	Critical to Public Safety. Improves community resiliency/ post disaster recovery	Staff time	County and Municipal Emergency Managers	County and all municipalities	Ongoing with annual plan review by June 1 st of each year and update every 5 years or as needed
Maintain and adhere to County and municipality Create Continuity of Operations Plans. Review the plans annually by June 1 st of each year and update every 5 years or as needed. Encourage communities to adopt County Plan in absence of their own.	<ul style="list-style-type: none"> Emergency Services Post Disaster 	Yes 41	Critical to Public Safety	Staff time	County and Municipal Emergency Managers	County and all municipalities	Ongoing with annual plan review by June 1 st of each year and update every 5 years or as needed

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items - Post Disaster	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
<p>Review the County and municipality Flood Response Preparations (FRP) annually by June 1st, and implement the procedure when flooding is eminent, to provide residents with vital information before, during and after the flood. Information includes:</p> <ul style="list-style-type: none"> • life safety, • property protection, • property recovery and • availability of disaster assistance. 	<ul style="list-style-type: none"> ▪ Emergency Services ▪ Public Information ▪ Post Disaster 	Yes 40	Critical to Public Safety	Staff time	County and Municipal Emergency Managers, CRS Coordinators and Public Information Officers	County and all CRS participating municipalities	Ongoing, with annual plan review by June 1st of each year and updates as needed
<p>Assess the need for, and if needed, request assistance from other communities by way of FDEM, utilizing the Statewide Mutual Aid Agreement (SMAA)</p>	<ul style="list-style-type: none"> ▪ Emergency Services ▪ Post Disaster 	Yes 42	Improves community resiliency/ post disaster recovery	Staff time	County and Municipal Emergency Managers	County and all municipalities	Ongoing
<p>Continue emergency building permit regulations and procedures. After a major storm event the Building Department can issue emergency permits in the field. The resident is required to formally apply for the permit later.</p>	<ul style="list-style-type: none"> ▪ Emergency Services ▪ Property Protection 	Yes 43	Improves community resiliency/ post disaster recovery	Staff time	County and Municipal Building Officials and Floodplain Managers	County and all municipalities	Ongoing
<p>Based on availability and prioritized needs, provide knowledgeable staff to assist citizens before, during, and after a flood event to help them understand their options for repairing/ rebuilding/ flooding/ mitigation. Integrate response to flooded homes with appropriate response organizations (Red Cross, faith-based organizations, other non-profit entities, Community Emergency Response Team (CERT), etc.)</p>	<ul style="list-style-type: none"> ▪ Emergency Services ▪ Public Information 	Yes 44	Improves community resiliency/ post disaster recovery	Staff time	County and Municipal Floodplain Managers or CRS Coordinators and Emergency Managers	County and all municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

Possible Action Plan Items - Post Disaster	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Immediately prior to, during and after a hurricane or flood event, post pertinent information concerning major points of interest, such as bridge and road closures, evacuation orders, emergency shelter locations and electrical outages, utilizing various media	<ul style="list-style-type: none"> Emergency Services Public Information 	Yes 45	Critical to public safety	Stafftime	County and Municipal Floodplain Managers or CRS Coordinators and Emergency Managers in collaboration with Public Information Officers	County and all municipalities	Ongoing
NEW Post Disaster Action Items Resulting from Meeting Discussion							
Encourage municipalities to begin formally documenting High Water marks after flooding occurs. The County will work with staff to evaluate the feasibility of establishing procedures for identifying and recording High Water marks using guidance provided in the <i>Florida Post Disaster Toolkit for Floodplain Administrators</i> . Some municipalities in the County are already doing this. Communities can be encouraged to develop or continue utilizing compatible procedures for formally documenting High Water marks after floods, so that information can be collected in a standardized format throughout the County.	<ul style="list-style-type: none"> Floodplain Management Post Disaster 	Yes 46	Better data will help future planning and decision making	Stafftime	County and Municipal Floodplain Managers or CRS Coordinators	County and all municipalities	Ongoing
Encourage municipalities to develop a Substantial Damage/ Substantial Improvement Plan to help facilitate post-disaster operations and train licensed Building Inspectors and Plan Reviewers in SD/SI procedures.	<ul style="list-style-type: none"> Floodplain Management Post Disaster Property Protection 	Yes 47	Effective NEW CRS Program component	Stafftime	County and Municipal Floodplain Managers or CRS Coordinators and Building Officials	County and all municipalities	Ongoing

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**Palm Beach County LMS
2023 Review of Possible Activities**

NEW Action Items Resulting from Meeting Discussion

Proposed Action Items	Category	Determination	Reason for Determination	Possible Funding	Responsible Party	Participating / Benefiting Municipalities	Timeframe
Encourage municipalities to draft a Floodplain Species Assessment and Plan which will help identify any listed species having ranges and/or habitat within the floodplain as well as identify possible floodplain management actions that can be implemented to benefit the species of concern.	<ul style="list-style-type: none"> Natural Resource Protection 	Yes 25	Effective NEW CRS Program Component	Staff time	County and Municipal Floodplain Managers and/or CRS Coordinators and Offices of Sustainability & Resiliency	County and all CRS participating municipalities	Ongoing
Draft and implement a County-wide Vulnerability Study and Risk Assessment which will generate a separate adaptation specific action plan. This plan will benefit all jurisdictions within the County.	<ul style="list-style-type: none"> Floodplain Management Regulatory/Current & Future Conditions 	Yes 35	Understanding and preparing for future conditions is a high priority	Staff time and State grant funding	County and Municipal Floodplain Managers and Offices of Sustainability & Resiliency in collaboration with participating universities and engineering firms	County and all municipalities	Ongoing county-wide with completion expected by next LMS plan update in 2029
Develop and maintain County and municipal Resiliency Departments which will be focused on helping communities adapt to future conditions.	<ul style="list-style-type: none"> Floodplain Management Regulatory/Current & Future Conditions 	Yes 37	Resiliency is a high priority	Staff time	County and Municipal Floodplain Managers and Offices of Sustainability & Resiliency	County and all municipalities	Currently underway and ongoing
Review and update floodplain regulations in order to accommodate re-mapping of the County, addition of V Zones and consideration of future conditions.	<ul style="list-style-type: none"> Floodplain Management Regulatory/Current & Future Conditions 	Yes 36	Necessitated by re-mapping	Staff time	County and Municipal Floodplain Managers and Planning Departments	County and all municipalities, especially re-mapped municipalities expected to gain V-Zones	Ongoing county-wide, with each affected municipality to complete ordinance review and update before adoption of new maps and annually thereafter

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The following is the latest annual progress report for the County CRS Floodplain Management Plan (CY2022):



**PALM BEACH COUNTY COMMUNITY RATING SYSTEM
FLOODPLAIN MANAGEMENT PLAN**

Palm Beach County, Florida
NFIP Number - 120192

**CRS Activity 510
Annual Progress Report on Implementation of Credited Plan**

Department of Public Safety
Division of Emergency Management
20 South Military Trail
West Palm Beach, FL 33415
(561) 712-6400
FAX: (561) 712-6464
www.pbcgov.com

Which Plan is this for:

- Floodplain Management Plan (Hazard Mitigation Plan)**
- Repetitive Loss Area Analysis**
- Floodplain Species Plan**
- Substantial Damage Plan**

Name of Community: Palm Beach County, Florida, NFIP # 120192

Date this Annual Progress Report was prepared: April 17, 2023

Name of the CRS Floodplain Management Plan:

Palm Beach County Unified Local Mitigation Strategy

The purpose of the Palm Beach County Unified Local Mitigation Strategy (LMS) is to develop and execute an ongoing unified strategy for reducing the community’s vulnerability to identified natural, technological, and societal hazards. The strategy provides a rational, managed basis for considering and prioritizing hazard-specific mitigation options and for developing and executing sound, cost effective mitigation projects. The LMS also provides a basis for justifying the solicitation and use of local, state, federal, and other monies to support hazard mitigation projects and initiatives. The Palm Beach County Unified LMS believes broad community support, including ongoing public and private sector involvement, is very important to the success of the program.

Palm Beach County (PBC) has had an increasing number of stakeholders preparing to incorporate the LMS as part of their Floodplain Management Plans in accordance with the CRS Coordinator’s Manual Activity 500 – Flood Damage Reduction Activities, specifically, Activity 510 – Floodplain Management Planning. Several communities have worked with PBC Division of Emergency Management, the Building Division of the Planning, Zoning, and Building Department, and private contractors in efforts to identify the resources necessary to accomplish planning initiatives. Currently nearly all of our municipalities use the LMS for their floodplain management plan in addition to unincorporated Palm Beach County.

■

Palm Beach County
Board of County
Commissioners

Gregg K. Weiss, Mayor
Maria Sachs, Vice Mayor
Maria G. Marino
Michael A. Barnett
Marci Woodward
Sara Baxter
Mack Bernard

County Administrator
Verdenia C. Baker

*“An Equal Opportunity
Affirmative Action Employer”*

Official Electronic Letterhead

Date(s) of Adoption of Plan:

- Original adoption: September 30, 1999
- Revised Plan approved by FEMA: November 2004
- Revised Plan approved by FEMA: January 2010
- Revised Plan approved by FEMA: February 2015
- Revised Plan approved by FEMA: October 16, 2019

5-Year CRS Expiration Date of Plan: October 1, 2024

1. How can a copy of the credited Plan be obtained:

Palm Beach County Division of Emergency Management
 Emergency Operations Center
 20 South Military Trail
 West Palm Beach, FL 33415

Contact: Ronnie Heen, CRS-LMS Coordinator, Planning Section

The plan is also posted on the internet at the following address:

<http://discover.pbcgov.org/publicsafety/dem/Publications/FBC%20Local%20Mitigation%20Strategy%202020.pdf>

2. Describe how *this annual progress report* (not the credited Plan) was prepared and how it was submitted to the governing body, released to the media, and made available to the public:

The status of all mitigation projects and success stories were reported and discussed at the quarterly LMS Working Group and Steering Committee meetings (open to the public).

LMS Steering Committee Meetings

- February 9, 2022
- May 25, 2022
- August 31, 2022
- October 26, 2022

LMS Revisions Sub-Committee Meetings

- January 19, 2022
- August 24, 2022

LMS Working Group Meetings were held on:

- March 9, 2022
- June 8, 2022
- September 14, 2022
- December 15, 2022

At two of the four Steering Committee meetings, after discussion of the status of each project, the Prioritized Projects List (PPL) was updated. The PPL is then posted on the DEM website once approved by the Steering Committee, and is publicly available for review at [https://discover.pbcgov.org/publicsafety/dem/PDF/2022%20Fall%20Prioritized%20Project%20List%20\(PPL\).pdf](https://discover.pbcgov.org/publicsafety/dem/PDF/2022%20Fall%20Prioritized%20Project%20List%20(PPL).pdf). An update to the website includes the number of new and existing projects.

All general meetings are publicized through media releases, social media platforms, and posted announcements. See Annex 3 for media release example. The minutes for each LMS Working Group and Steering Committee meetings are posted on our LMS webpage for public consumption <https://discover.pbcgov.org/publicsafety/dem/Sections/Planning-Local-Mitigation-Strategy.aspx>.

We have provided copies of this report to our governing board and local media. The governing board for the CRS is the LMS Steering Committee. A copy of this progress report has been posted to the homepage of the Palm Beach County Division of Emergency Management website for public review. A media release announcing the report and its posting has been executed.

3. Provide a description of the implementation of each recommendation or action item in the action plan or area analysis report, including a statement on how the project was implemented or not implemented during the previous year:

Each of the 91 action items from the 2021 Prioritized Project List (PPL) in the LMS were reviewed by the LMS Steering Committee during the 2022 LMS PPL Update. The status updates are included in the tables in Annex 1 and Annex 2.

Major progress in the LMS program during this reporting period includes:

- The LMS Program is working with PBC Planning, Zoning, and Building (PZB) Department to produce a Watershed Master Plan (WMP) for credit under the Community Rating System (CRS). PZB applied for and was awarded grant funding thru the Watershed Planning Initiative under the Hazard Mitigation Grant Program (HMGP), as approved by Florida Division of Emergency Management.
- Quarterly Meetings were held for the LMS Working Group (4), LMS Steering Committee (4), and the CRS Users Group (4). There were two meetings of the LMS Evaluation Panel to evaluate, score, and rank new projects for the Prioritized Project List (PPL).
- PBC continues to use the LMS WebEOC portal in capturing community submission packages for the Prioritized Project List (PPL). A total of 95 projects are active on the PPL.
- The LMS Newsletter was published three (3) times in 2022. These documents are sent out to the LMS Working Groups, available to all municipalities to be displayed in their public spaces, and posted online at <https://discover.pbcgov.org/publicsafety/dem/Sections/Planning-Local-Mitigation-Strategy.aspx>.
- PPL Mitigation projects continued to be funded from previous disasters, including those of flood mitigation projects. See Annex 1 for updated projects in progress for Hazard Mitigation Grant Program funding.

4. Discuss why any objectives were not reached or why implementation is behind schedule:

As a result of the return to normal operations after, and other changes due to COVID-19, some outreach activities were not implemented as planned in 2022. Specifically, the Program for Public Information (PPI), CRS Activity 330, was not completed. However, staff and stakeholders are working to resume these projects whenever feasible and PBC Division of Emergency Management is working with a consultant to finalize the PPI before the next CRS Verification Visit.

There was discussion at the LMS Steering Committee meetings of why any Action Item objectives were not reached, or why implementation of any specific action item is behind schedule or had to be postponed. Status updates are provided in the tables found in Annex 1 and Annex 2.

5. What are the recommendations for new projects or revised recommendations?

The LMS PPL continues to operate on its normal schedule. New projects were scored/ranked, after a vote of the LMS Working Group, in two periods. These two review periods took place in March/April 2022, and the second in September/October 2022. Eight out of the 12 projects added in the March/April 2022 period and 14 out of the 19 projects added in the September/October 2022 period were dedicated to mitigating flooding issues within the respective communities. Projects on the list for more than five (5) years at the time of bi-annual reviews were reviewed, and if necessary, either updated or purged. New PPL projects are listed in the table found in Annex 2.

6. Summarize any flooding that occurred during calendar year 2022:

The LMS ranks floods at the top of the list of identified hazards because of their projected impact potential across the entire spectrum of community exposure and services. Florida, and especially PBC, is highly susceptible to localized flooding. Inland and coastal flooding in particular are the likely types of floods frequently affecting communities across the County. The tropical rainfall pattern in the County coupled with the hurricane season (June 1 through November 30) makes PBC particularly vulnerable to flooding, especially later in the hurricane season when the water table is high and the ground is saturated from impacts of cyclones and rain events. PBC received just under 53.48 inches of rain last year, and more than 121 rain days, with most of that occurring between the months of March and November.

The following flooding advisory statistics were noted for CY 2022 (from NOAA Storm Events Database at <https://www.ncdc.noaa.gov/stormevents/> and <https://nwschat.weather.gov/>):

Areal Flood Advisories:	92	
Areal Flood Watches:	4	(6/3, 6/6, 9/26, 11/09)
Flash Flood Warnings:	7	(1/12, 4/6, 4/15, 4/29, 5/20, 6/4, 9/18)
Flash Flood Watches:	0	
Coastal Flood Watches:	1	(11/8)
Costal Flood Advisories:	3	(5/15, 11/8)
Coastal Flood Statements:	25	
Tropical Storm Warnings:	3	(6/3, 9/26, 11/7)
Flood Watches:	7	

Data from NOAA Storm Events Database

Event Types: Coastal Flood, Flash Flood, Flood, Heavy Rain, Hurricane (Typhoon), Lakeshore Flood, Sneakerwave, Storm Surge/Tide, Tropical Depression, Tropical Storm, Tsunami

Palm Beach county contains the following zones:
 Inland Palm Beach County, Metro Palm Beach County, Coastal Palm Beach County

12 events were reported between 01/01/2022 and 12/31/2022 (365 days)

Summary Info:

Number of County/Zone areas affected:	4
Number of Days with Event:	7
Number of Days with Event and Death:	0
Number of Days with Event and Death or Injury:	0
Number of Days with Event and Property Damage:	1
Number of Days with Event and Crop Damage:	0
Number of Event Types reported:	5

Location	Date	Time	Type	Deaths	Injuries	Property Damage
MANGONIA PARK	04/15/2022	09:00	Flash Flood	0	0	0
BOCA RATON	05/20/2022	13:35	Flash Flood	0	0	5 K
BOCA RATON	05/20/2022	15:45	Flood	0	0	0
JUPITER	06/10/2022	15:20	Flood	0	0	0
COASTAL PALM BEACH COUNTY...	09/28/2022	01:00	Tropical Storm	0	0	0
INLAND PALM BEACH COUNTY...	09/28/2022	07:00	Tropical Storm	0	0	0
METRO PALM BEACH COUNTY...	09/28/2022	08:00	Tropical Storm	0	0	0
JUPITER	10/13/2022	13:15	Flash Flood	0	0	0
COASTAL PALM BEACH COUNTY...	11/08/2022	21:00	Tropical Storm	0	0	0
COASTAL PALM BEACH COUNTY...	11/09/2022	08:00	Storm Surge/tide	0	0	0
METRO PALM BEACH COUNTY...	11/09/2022	08:00	Tropical Depression	0	0	0
INLAND PALM BEACH COUNTY...	11/09/2022	21:00	Tropical Depression	0	0	0

Total Precipitation for CY 2021 (NWS – Miami taken from PBC PBI)

Monthly Total Precipitation for West Palm Beach Area, FL (ThreadEx)													
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2022	2.27	1.97	2.69	6.40	1.88	9.02	2.00	3.12	11.86	2.66	6.10	3.51	53.48

2022	Total Observed (Inches)	Normal	Deviation From Normal	Days >0.01"	Days >0.10"	Days >0.50"	Days >1.00"	Greatest Rain Day	Date
Jan	2.27	3.47	-1.20	6	5	1	1	1.2	10-Jan
Feb	1.97	2.83	-0.86	7	4	2	0	0.79	5-Feb
Mar	2.69	3.31	-0.62	7	3	1	1	1.75	15-Mar
Apr	6.4	3.88	+2.72	8	6	4	3	2.15	15-Apr
May	1.88	4.91	-3.03	5	3	1	1	1.13	20-May
Jun	9.02	8.48	+0.54	18	10	4	2	4.52	4-Jun
Jul	2	5.83	-3.83	12	5	1	0	0.57	26-Jul
Aug	3.12	8.66	-5.56	15	4	3	0	0.71	14 & 17-Aug
Sep	11.86	7.96	+3.90	15	13	6	4	3.18	27-Sep
Oct	2.66	5.9	-3.24	9	3	2	1	1.6	15-Oct
Nov	6.1	3.62	+2.48	11	8	4	2	2.25	3-Nov
Dec	3.51	3.48	+0.03	9	5	2	2	1.32	14-Dec
Annual	53.48	61.75	-8.27	121					

Source NWS: <https://w2.weather.gov/climate/index.php?wfo=mfl>

7. What impact did the flooding have on repetitive loss areas?

This office did not receive any reports of flooding from repetitive loss property area owners. The rainfall average total was approximately 8 inches below the normal rainfall average in 2022 throughout unincorporated PBC, and the county was limited to minor street flooding. No structures were reported flooded during any of 2022 rain events.

Annex 1: PPL Project Progress

As part of this annual progress report preparation process, the LMS Coordinator prepares an update on the status of all active county flood mitigation projects from the state. The most current update to projects submitted for Hazard Mitigation Grant Program (HMGP) funds for Hurricane Matthew (4283), Hurricane Dorian (4468), and Hurricane Sally (4564) that were awarded funds are listed below. A total of \$7,673,818.63 in total project costs.

HMGP FY22 Quarter 4 Overview

Disaster Number	Project Number	Suffix	Subgrantee	Project Title	Type	Project Status	Date Initially Approved	Project Date Closed	Federal Share Obligated	Fed Share Grantee Admin Amt	Fed Share Subgrantee Admin Amt	Subgrantee Management Costs	Total Obligated Amount	Non Federal Share
4283	0096	R	Lantana	Town of Lantana, Police	205.8: Retrofitting Public	Approved	06/26/2018		\$1,125,000.00	\$0.00		\$0.00	\$1,125,000.00	\$375,000.00
4468	0016	R	Riviera Beach	City of Riviera	601.2: Generator	Approved	09/08/2021		\$282,492.00	\$0.00		\$15,245.60	\$297,737.60	\$94,164.00
4468	0023	R	Palm Springs	Village of Palm Springs	103.1: Feasibility, 601.2: Generator	Approved	09/20/2021		\$95,244.01	\$0.00		\$6,416.27	\$102,660.28	\$268,938.00
4468	0030	R	Riviera Beach	City of Riviera	601.2: Generator	Approved	09/20/2021		\$278,077.50	\$0.00		\$17,643.75	\$295,721.25	\$92,692.50
4468	0036	R	Jupiter	Town of Jupiter, WTP	103.2: Feasibility, Engineer	Approved	12/06/2021		\$144,895.47	\$0.00		\$0.00	\$144,895.47	\$611,905.00
4564	0030		West Palm Beach	City of West Palm	205.8: Retrofitting Public	Pending								\$4,410,000.00

This report will be released to the media via the County's Public Affairs Department, and posted on the Division of Emergency Management's website.

Annex 2: 2022 PFL Project Progress (and PFL changes since 2021)

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+)/ Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
1	93.15	LMS-362712	Lake Worth	17th Ave South Drainage Resiliency Enhancements	Infrastructure (Water/Sewer/Drainage)	\$700,000	1	0	93.15	N/A
2	91.83	LMS-386075	Boynton Beach	Lake Boynton Estates Drainage Improvements	Flood Control/Reduction and Waterway Management	\$8,000,000	N/A	NEW	N/A	NEW
3	90.83	LMS-638815	Boynton Beach	Heart of Downtown Boynton Drainage Improvements	Infrastructure (Water/Sewer/Drainage)	\$10,000,000	N/A	NEW	N/A	NEW
4	89.83	LMS-175874	Boynton Beach	Chapell Hill Drainage Improvements	Infrastructure (Water/Sewer/Drainage)	\$5,000,000	N/A	NEW	N/A	NEW
5	88.57	LMS-808821	Delray Beach	Marine Way Seawall Improvements	Flood Control/Reduction and Waterway Management	\$2,250,000	2	-3	88.57	N/A
6	88.00	LMS-763619	Palm Springs	Generators for Raw Water Wells 12, 13 & 14	Infrastructure (Water/Sewer/Drainage)	\$450,000	4	-2	88.00	N/A
7	88.00	LMS-62731	Palm Beach Shores	Palm Beach Shores Underground Utilities Project	Infrastructure	\$774,920	3	-4	88.00	N/A
8	87.57	LMS-616388	Delray Beach	Tropic Isle Roadway and Underground Utilities Improvement	Infrastructure	\$36,300,000	5	-3	87.57	N/A
9	87.28	LMS-206661	Delray Beach	Thomas Street Pump Station	Flood Control/Reduction and Waterway Management	\$7,000,000	N/A	NEW	N/A	NEW
10	87.00	LMS-947985	Delray Beach	Marine Way Roadway and Drainage Improvements	Infrastructure	\$14,000,000	N/A	NEW	N/A	NEW
11	80.00	LMS-689971	Northern Palm Beach County Improvement District	Pump Station Emergency Power	Infrastructure (Water/Sewer/Drainage)	\$2,450,000	N/A	NEW	N/A	NEW

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
12	78.67	LMS-369285	West Palm Beach	West Palm Beach Fire Station # 5 / Emergency Operations Center Hurricane Hardening and Wind Retrofit	Infrastructure (Building)	\$3,200,000	9	-3	78.67	N/A
13	78.33	LMS-388986	West Palm Beach	West Palm Beach Fire Station #1 Hurricane Hardening & Wind Retrofit	Infrastructure (Building)	\$1,000,000	10	-3	78.33	N/A
14	78.00	LMS-938543	West Palm Beach	West Palm Beach Fire Station #6 Hurricane Hardening and Wind Retrofit	Infrastructure (Building)	\$600,000	11	-3	78.00	N/A
15	77.67	LMS-519589	West Palm Beach	West Palm Beach Police Department Headquarters Building Hurricane Hardening and Wind Retrofit	Infrastructure (Building)	\$5,500,000	12	-3	77.67	N/A
16	77.14	LMS-75294	Riviera Beach	North Filter Building Hurricane Hardening	Infrastructure (Water/Sewer/Drainage)	\$400,000	13	-3	77.14	N/A
17	76.86	LMS-220415	Palm Beach	Stormwater and Wastewater System Resilience: D-8 Pump Station / E-5 Lift Station Elevation	Infrastructure (Water/Sewer/Drainage)	\$1,336,423	14	-3	76.86	N/A
18	76.43	LMS-344736	Lake Worth	South Palm Park Drainage Resiliency Improvements	Flood Control/Reduction and Waterway Management	\$600,000	15	-3	76.43	N/A
19	76.25	LMS-67871	Riviera Beach	Water Treatment Plant Generator Improvement Project	Infrastructure (Water/Sewer/Drainage)	\$2,350,000	16	-3	76.25	N/A
20	75.29	LMS-651175	Palm Beach	Wastewater System Resilience: A-5 Lift Station Elevation	Infrastructure (Water/Sewer/Drainage)	\$1,033,000	18	-2	75.29	N/A
21	74.83	LMS-36085	Delray Beach	Tidal Check Valve Improvement Project - Phase 2	Flood Control/Reduction and Waterway Management	\$750,000	19	-2	74.83	N/A
22	74.67	LMS-828881	Delray Beach	Seawall Improvements - NE 1st Ct., NE 2nd St., NE 5th St., Builde and Spanish Circle	Flood Control/Reduction and Waterway Management	\$1,200,000	20	-2	74.67	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
23	74.57	LMS-445634	Palm Beach	Stormwater System Resilience: D-12 Pump Station Floodproofing	Infrastructure (Water/Sewer/Drainage)	\$910,000	21	-2	74.57	N/A
24	74.57	LMS-358148	South Palm Beach	Town Hall Hardening and Preparedness Enhancements	Infrastructure (Building)	\$757,245	N/A	NEW	N/A	NEW
25	74.33	LMS-293394	Delray Beach	Tidal Check Valve Improvement Project - Phase 3	Flood Control/Reduction and Waterway Management	\$750,000	23	-2	74.33	N/A
26	74.33	LMS-224397	Delray Beach	Tidal Check Valve Improvement Project - Phase 4	Flood Control/Reduction and Waterway Management	\$750,000	24	-2	74.33	N/A
27	73.00	LMS-242928	Palm Springs	Davis Road North Basin Stormwater Improvements	Infrastructure (Water/Sewer/Drainage)	\$976,752	25	-2	73.00	N/A
28	72.33	LMS-742079	West Palm Beach	West Palm Beach Fire Station No. 9 Hurricane Hardening and Wind Retrofit	Infrastructure (Building)	\$2,000,000	26	-2	72.33	N/A
29	72.33	LMS-527103	West Palm Beach	Segment #3 - S. Flagler Waterfront Improvements - North of Bristol Condo	Beach/Seawall	\$1,500,000	27	-2	72.33	N/A
30	72.29	LMS-340906	Jupiter	Water Treatment Plant Hardened Server Rm/Training Facility and Server Room	Infrastructure (Building)	\$652,795	28	-2	72.29	N/A
31	69.14	LMS-713904	West Palm Beach	Stormwater System Rehab Phase 2	Infrastructure (Water/Sewer/Drainage)	\$3,000,000	31	0	69.14	N/A
32	69.00	LMS-641439	Riviera Beach	Ocean Rescue Station Hardening	Mitigation	\$1,000,000	N/A	NEW	N/A	NEW
33	68.83	LMS-719052	Riviera Beach	Lift Station Panel Upgrades	Infrastructure (Water/Sewer/Drainage)	\$900,000	N/A	NEW	N/A	NEW
34	68.71	LMS-201491	Wellington	Neighborhood Flood Control Improvements	Flood Control/Reduction and Waterway Management	\$3,052,838	32	-2	68.71	N/A
35	68.43	LMS-86839	Palm Beach	Stormwater System Resilience: D-17 Pump Station Elevation	Infrastructure (Water/Sewer/Drainage)	\$760,000	33	-2	68.43	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
36	67.85	LMS-6325	Riviera Beach	Riviera Beach Wellfield Resiliency Upgrades	Infrastructure (Water/Sewer/Drainage)	\$4,200,000	34	-2	67.85	N/A
37	67.83	LMS-180784	West Palm Beach	Segment #2 - S. Flagler Waterfront Improvements - Paving Way to Chasiboums Ct.	Beach/Seawall	\$21,475,000	35	-2	67.83	N/A
38	67.67	LMS-86947	Riviera Beach	Raw Water Well Panel Upgrades	Infrastructure (Water/Sewer/Drainage)	\$900,000	N/A	NEW	N/A	NEW
39	67.57	LMS-998321	Baptist Health	Baptist Health South Florida - Bethesda Hospital East Wind Retrofit	Shuttering and Wind Proofing	\$6,000,000	36	-3	67.57	N/A
40	67.43	LMS-622298	Royal Palm Beach	Bridge Slope Stabilization and Canal Dredging, Phase II	Flood Control/Reduction and Waterway Management	\$2,600,000	37	-3	67.43	N/A
41	67.43	LMS-626499	Lantana	N. Atlantic Drive Drainage Improvements	Flood Control/Reduction and Waterway Management	\$518,000	38	-3	67.43	N/A
42	67.28	LMS-293258	Lantana	Beach curve/Barefoot Ln. Drainage Improvement	Flood Control/Reduction and Waterway Management	\$400,000	39	-3	79.96	+12.58
43	67.14	LMS-645026	Palm Beach Gardens Regional Utility	PGA WWTP Emergency Generator Upgrade Project	Infrastructure (Water/Sewer/Drainage)	\$1,890,000	40	-3	67.14	N/A
44	66.43	LMS-252086	Royal Palm Beach	Canal Bank Tree Removal	Flood Control/Reduction and Waterway Management	\$200,000	41	-3	79.96	+12.43
45	66.43	LMS-497863	Delray Beach	Standby Lakeview Stormwater Pipes Improvements	Flood Control/Reduction and Waterway Management	\$500,000	42	-3	66.43	N/A
46	66.33	LMS-49082	Wellington	PBSO Substation Hardening	Infrastructure (Building)	\$2,140,905	N/A	NEW	N/A	NEW
47	66.00	LMS-997272	Palm Beach Gardens Regional Utility	Lift Station 21 Hardening and Resiliency Improvements Project	Infrastructure (Water/Sewer/Drainage)	\$630,000	43	-4	66.00	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
48	65.14	LMS-524174	Lantana	S. Lakeside Place Drainage Improvements	Infrastructure (Water/Sewer/Drainage)	\$250,000	44	-4	65.14	N/A
49	65.00	LMS-223563	Delray Beach	Basin Street Pumping Station	Equipment	\$1,000,000	45	-4	77.86	+12.86
50	64.00	LMS-366124	Lantana	Operations Center Roof Replacement	Continuity of Operations/Government	\$100,000	47	-3	64.00	N/A
51	64.00	LMS-316303	Palm Beach Gardens Regional Utility	Lift Station Telemetry Improvements Project	Mechanical Maintenance/Improvement	\$4,851,000	48	-3	64.00	N/A
52	63.85	LMS-419883	Palm Beach Gardens Regional Utility	Lift Station 20 Hardening and Resiliency Improvements	Infrastructure (Water/Sewer/Drainage)	\$630,000	49	-3	63.85	N/A
53	63.33	LMS-478886	Riviera Beach	3 Dry Can Lift Station Replacements	Infrastructure (Water/Sewer/Drainage)	\$2,969,408	N/A	NEW	N/A	NEW
54	63.00	LMS-137646	Lantana	N. Lake Drive Drainage Improvements	Flood Control/Reduction and Waterway Management	\$400,000	51	-3	63.00	N/A
55	62.86	LMS-261577	Juno Beach	Juno Ocean Walk Drainage Project	Mitigation	\$70,000	N/A	NEW	N/A	NEW
56	61.71	LMS-397259	Riviera Beach	Comprehensive Lift Station Rehabilitation	Infrastructure (Water/Sewer/Drainage)	\$4,400,000	53	-3	61.71	N/A
57	61.71	LMS-122805	Palm Beach Gardens Regional Utility	Lift Station 1 Hardening and Resiliency Improvements Project	Infrastructure (Water/Sewer/Drainage)	\$756,000	54	-3	61.71	N/A
58	61.56	LMS-399345	Wellington	Pump Station #2 Hardening	Flood Control/Reduction and Waterway Management	\$2,085,000	55	-3	61.56	N/A
59	60.71	LMS-788074	Lantana	Eucled Path outfall improvements	Infrastructure (Water/Sewer/Drainage)	\$250,000	56	-3	60.71	N/A
60	60.57	LMS-413066	Palm Beach Gardens Regional Utility	Lift Station 2 Hardening and Resiliency Improvements Project	Infrastructure (Water/Sewer/Drainage)	\$756,000	57	-3	60.57	N/A

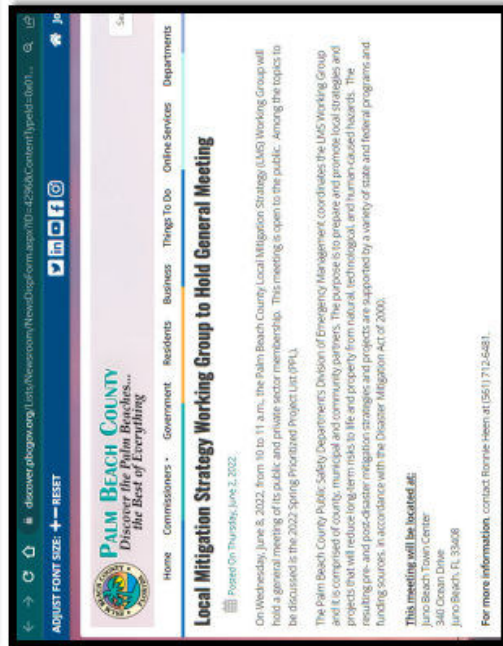
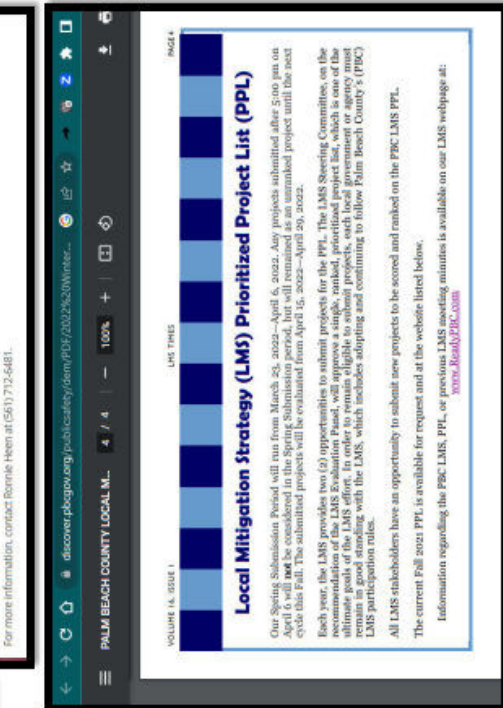
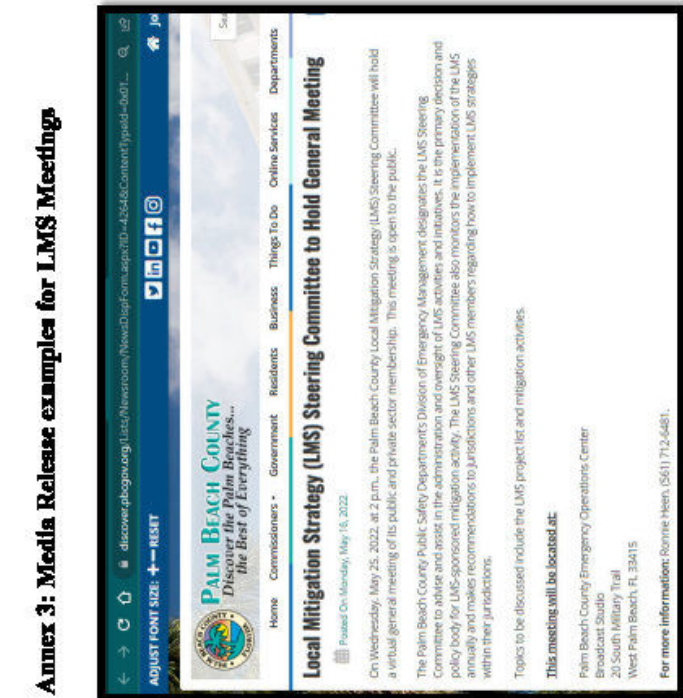
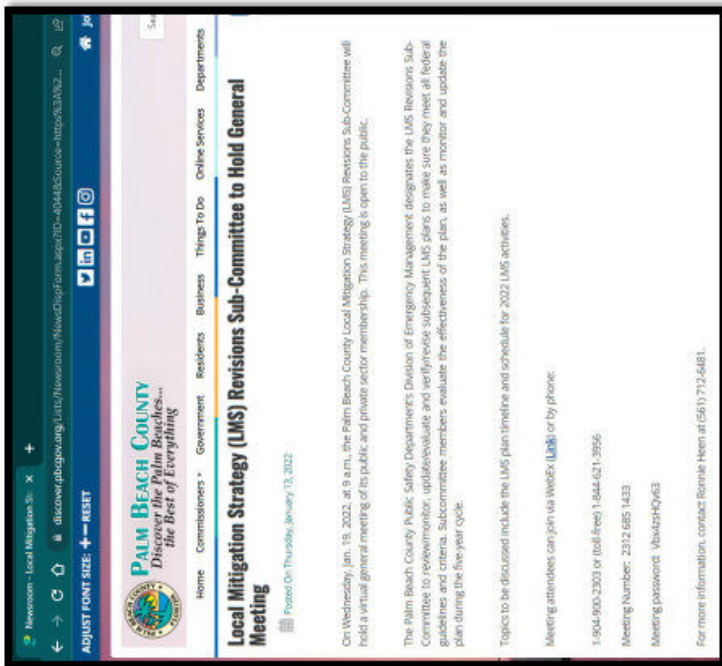
Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
61	60.17	LMS-76355	West Palm Beach	Segment #5 - S. Flagler Dr Waterfront Improvements - Rusalya to Greenwood Dr	Beach/Seawall	\$21,500,000	58	-3	60.17	N/A
62	60.00	LMS-672084	South Florida Water Management District	Coast Levee	Flood Control/Reduction and Waterway Management	\$8,800,000	N/A	NEW	N/A	NEW
63	59.85	LMS-636161	Wellington	Public Works Facility Retrofit	Infrastructure (Building)	\$955,000	60	-3	59.85	N/A
64	59.57	LMS-345236	Indian Trail Improvement District	Culvert Improvements - Phase 1	Infrastructure (Water/Sewer/Drainage)	\$2,106,500	61	-3	59.57	N/A
65	59.50	LMS-331532	West Palm Beach	Segment #1 - S. Flagler Waterfront Improvements - Monceaux/Avila to Perabing Way	Beach/Seawall	\$7,125,000	62	-3	81.86	+22.36
66	59.17	LMS-445434	West Palm Beach	Segment #6 - S. Flagler Waterfront Improvements - Linda Lane to Rusalya Dr	Beach/Seawall	\$12,000,000	64	-2	59.17	N/A
67	59.00	LMS-298956	South Palm Beach	Master Lift Station Hardening	Infrastructure (Water/Sewer/Drainage)	\$912,000	N/A	NEW	N/A	NEW
68	58.83	LMS-134254	Wellington	Water Treatment Plant Emergency Power	Mitigation	\$2,500,000	N/A	NEW	N/A	N/A
69	58.50	LMS-398292	Palm Beach	Palm Beach Utility Undergrounding Phase 8	Infrastructure	\$12,000,000	N/A	NEW	N/A	NEW
70	58.50	LMS-925187	West Palm Beach	Segment #4 - S. Flagler Waterfront Improvements - Summa St to Linda Lane	Beach/Seawall	\$25,000,000	65	-5	58.50	N/A
71	58.43	LMS-728688	West Palm Beach	Lift Station Sea Level Rise/Tidal Flooding Impact Study and Improvements	Infrastructure (Water/Sewer/Drainage)	\$5,850,000	66	-5	58.43	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
72	57.14	LMS-900137	Palm Beach Gardens	City Hall, Police, Fire Station Wind Retrofit	Shuttering and Wind Proofing	\$600,000	67	-5	57.14	N/A
73	55.33	LMS-765557	Northern Palm Beach County Improvement District	Unit 5 Stormwater	Infrastructure (Water/Sewer/Drainage)	\$2,840,000	68	-5	55.33	N/A
74	54.85	LMS-174335	Delray Beach	Fire Station 1 Hurricane Hardening	Shuttering and Wind Proofing	\$1,070,000	69	-5	54.85	N/A
75	52.14	LMS-551924	Palm Beach	Coastal Flood Vulnerability Assessment Update and Priority Planning	Planning	\$210,000	70	-5	52.14	N/A
76	52.00	LMS-841542	West Palm Beach	Public Works Complex Buildings Hardening	Mitigation	\$9,136,388	N/A	NEW	N/A	NEW
77	51.86	LMS-9925	Delray Beach	Standby Generators for Critical Facilities	Continuity of Operations/Government	\$300,000	71	-6	51.86	N/A
78	51.57	LMS-672129	Indian Trail Improvement District	Carbott Levee	Flood Control/Reduction and Waterway Management	\$5,700,000	73	-5	51.57	N/A
79	51.33	LMS-397389	Northern Palm Beach County Improvement District	Unit 20 Juno Lake	Flood Control/Reduction and Waterway Management	\$1,620,000	74	-5	51.33	N/A
80	51.00	LMS-853573	Indian Trail Improvement District	I Canal Drainage Improvements	Flood Control/Reduction and Waterway Management	\$225,000	75	-5	51.00	N/A
81	50.57	LMS-743	Royal Palm Beach	La Manaha Underdrain	Infrastructure (Water/Sewer/Drainage)	\$1,932,000.60	76	-5	50.57	N/A
82	48.86	LMS-67687	South Palm Beach	Powerline Undergrounding Project	Mitigation	\$2,125,000	77	-5	48.86	N/A
83	47.50	LMS-834112	Wellington	Pump Station #5	Infrastructure (Water/Sewer/Drainage)	\$2,400,000	N/A	NEW	N/A	NEW
84	47.00	LMS-617223	Wellington	Lift Station Emergency Power- Phase II	Infrastructure (Water/Sewer/Drainage)	\$790,000	80	-4	47.00	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
85	47.00	LMS-2675	Hypoluxo	Town Hall Hardening	Shutting and Wind Proofing	\$450,000	79	-6	47.00	N/A
86	45.14	LMS-30177	Palm Springs	Police Department Hardening	Infrastructure (Building)	\$1,363,044	81	-5	88.86	+35.72
87	41.86	LMS-857722	Riviera Beach	South Chemical Building Hardening	Infrastructure (Building)	\$75,000	83	-4	41.86	N/A
88	41.57	LMS-675494	Facilities Development & Operations Department	PBC FDO OSC Full Building Power Generator	Continuity of Operations/Government	\$1,400,000	N/A	NEW	N/A	NEW
89	40.14	LMS-813848	Wellington	Wellington Community Center Hardening	Infrastructure (Building)	\$539,522	84	-5	40.14	N/A
90	39.86	LMS-568322	Lantana	Lantana Cove Drainage Improvements (2017)	Flood Control/Reduction and Waterway Management	\$380,000	85	-5	39.86	N/A
91	39.14	LMS-875296	Indian Trail Improvement District	Santa Rosa Groves Pump Station	Infrastructure (Water/Sewer/Drainage)	\$739,529	86	-5	39.14	N/A
92	36.29	LMS-928468	Indian Trail Improvement District	Outfall Canal Control Structure	Flood Control/Reduction and Waterway Management	\$400,000	87	-5	36.29	N/A
93	33.71	LMS-724894	Indian Trail Improvement District	M-2 Impoundment	Infrastructure (Water/Sewer/Drainage)	\$205,126	88	-5	33.71	N/A
94	32.83	LMS-852572	Indian Trail Improvement District	M-1 Inverted Siphon	Infrastructure (Water/Sewer/Drainage)	\$1,751,400	90	-4	32.83	N/A
95	31.00	LMS-148549	Wellington	South Shore/Picton Rd Improvements	Infrastructure (Roadway)	\$3,530,000	91	-4	31.00	N/A
Removed since 2021		LMS-702263	Greenacres	Greenacres Original Section Drainage Improvements Phases 6 & 7	Infrastructure (Water/Sewer/Drainage)	\$702,000	6	N/A	84.86	N/A
Removed since 2021		LMS-292308	Riviera Beach	Lift Station #47 Generator Improvement Project	Infrastructure (Water/Sewer/Drainage)	\$400,000	7	N/A	80.71	N/A
Removed since 2021		LMS-837788	Lake Park	Southern Outfall Priority Rehabilitation Project	Infrastructure (Water/Sewer/Drainage)	\$3,053,200	8	N/A	80.28	N/A

Fall 2022 Rank	Score	Project #	Agency/ Org.	Project Title	Project Type	Estimated Cost	Fall 2021 Rank	Increase (+) / Decrease (-) in rank priority since 2021	2021 Score	Score change since 2021
Removed since 2021	LMS-101666	Juno Beach	Juno Ocean Walk Drainage Project	Other	\$35,000	17	N/A	76.00	N/A	
Removed since 2021	LMS-580495	Delray Beach	Tidal Check Valve Improvement Project Phase 1	Flood Control/Reduction and Waterway Management	\$750,000	22	N/A	74.50	N/A	
Removed since 2021	LMS-715858	Briny Breezas	Town-wide Vulnerability Assessment & Coastal Protection Plan	Planning	\$475,000	29	N/A	70.57	N/A	
Removed since 2021	LMS-880318	Delray Beach	Thomas Street Pump Station	Flood Control/Reduction and Waterway Management	\$2,300,000	30	N/A	69.57	N/A	
Removed since 2021	LMS-839233	Delray Beach	Atlantic Dunes Park Seawall Improvements	Flood Control/Reduction and Waterway Management	\$1,700,000	46	N/A	64.66	N/A	
Removed since 2021	LMS-486424	South Palm Beach	Town Hall and Police Department Hardening	Infrastructure (Building)	\$1,325,000	50	N/A	63.71	N/A	
Removed since 2021	LMS-371219	Riviera Beach	Standby Generators for Five (5) Lift Station Improvements	Infrastructure (Water/Sewer/Drainage)	\$375,000	52	N/A	62.50	N/A	
Removed since 2021	LMS-82521	South Palm Beach	Master Lift Station Hardening	Infrastructure (Water/Sewer/Drainage)	\$813,100	59	N/A	60.00	N/A	
Removed since 2021	LMS-865563	Briny Breezas	Sub-Pump Emergency Response	Flood Control/Reduction and Waterway Management	\$50,000	63	N/A	59.42	N/A	
Removed since 2021	LMS-181375	Juno Beach	Universe Blvd Improvements	Infrastructure (Water/Sewer/Drainage)	\$2,600,000	72	N/A	51.86	N/A	
Removed since 2021	LMS-787214	Delray Beach	Marine Way Pump Station	Flood Control/Reduction and Waterway Management	\$4,000,000	78	N/A	47.57	N/A	
Removed since 2021	LMS-394308	Pahokee	East Lake Village Project	Flood Control/Reduction and Waterway Management	\$300,375	82	N/A	43.00	N/A	
Removed since 2021	LMS-510787	Indian Trail Improvement District	M-2 Impoundment Bypass	Infrastructure (Water/Sewer/Drainage)	\$389,324	89	N/A	33.71	N/A	

Annex 3: Media Release examples for LMS Meetings



The following is the annual progress report for the County CRS Floodplain Management Plan (CY2021):



**PALM BEACH COUNTY COMMUNITY RATING SYSTEM
FLOODPLAIN MANAGEMENT PLAN
ACTIVITY 510 PROGRESS REPORT CY2021**

Palm Beach County, Florida
NFIP Number - 120192

**Department of Public Safety
Division of Emergency Management**

20 South Military Trail
West Palm Beach, FL 33415
(561) 712-6400
FAX: (561) 712-6464
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**Palm Beach County
Board of County
Commissioners**

Robert S. Weinroth, Mayor

Gregg K. Weiss, Vice Mayor

Maria G. Marino

Dave Kerner

Maria Sachs

Melissa McKinlay

Mack Bernard

County Administrator

Verdenia C. Baker

*"An Equal Opportunity
Affirmative Action Employer"*

Official Electronic Letterhead

1. Name of the CRS Floodplain Management Plan:

Unified Local Mitigation Strategy

The purpose of the Palm Beach County Unified Local Mitigation Strategy (LMS) is to develop and execute an ongoing unified strategy for reducing the community's vulnerability to identified natural, technological, and societal hazards. The strategy provides a rational, managed basis for considering and prioritizing hazard-specific mitigation options and for developing and executing sound, cost effective mitigation projects. The LMS also provides a basis for justifying the solicitation and use of local, state, federal, and other monies to support hazard mitigation projects and initiatives. The Palm Beach County Unified LMS believes broad community support, including ongoing public and private sector involvement, is very important to the success of the program.

Palm Beach County (PBC) has had an increasing number of stakeholders preparing to incorporate the LMS as part of their Floodplain Management Plans in accordance with the CRS Coordinator's Manual Activity 500 – Flood Damage Reduction Activities, specifically, Activity 510 – Floodplain Management Planning. Several communities have worked with PBC Division of Emergency Management, the Building Division of the Planning, Zoning, and Building Department, and private contractors in efforts to identify the resources necessary to accomplish planning initiatives. Currently nearly all of our municipalities use the LMS for their floodplain management plan in addition to unincorporated Palm Beach County.

2. Date Adopted

- Original adoption: September 30, 1999
- Revised Plan approved by FEMA: November 2004
- Revised Plan approved by FEMA: January 2010
- Revised Plan approved by FEMA: February 2015
- Revised Plan approved by FEMA: October 16, 2019

3. Location where copies are available for review:

Palm Beach County Division of Emergency Management
Emergency Operations Center
20 South Military Trail
West Palm Beach, FL 33415

Contact: Ronnie Heen, CRS-LMS Coordinator, Planning Section

Also posted on the internet at the following address:

<http://discover.pbcgov.org/publicsafety/dem/Publications/PBC%20Local%20Mitigation%20Strategy%202020.pdf>

4. Summarize any flooding that occurred during calendar year 2021:

The LMS ranks floods at the top of the list of identified hazards because of their projected impact potential across the entire spectrum of community exposure and services. Florida, and especially PBC, is highly susceptible to localized flooding. Inland and coastal flooding in particular are the likely types of floods frequently affecting communities across the County. The tropical rainfall pattern in the county coupled with the hurricane season (June 1 through November 30) makes PBC particularly vulnerable to flooding, especially later in the hurricane season when the water table is high and the ground is saturated from impacts of cyclones and rain events. PBC averaged just over 54 inches of rain per year last year, and more than 120 rain days, with most of that occurring between the months of June and November. The following flooding advisory statistics were noted for CY 2021:

Flood Advisories: 40
 Flash Flood Warnings: 2
 Flash Flood Watches: 3
 Coastal Flood Statements 5

Total Precipitation for CY 2021 (NWS – Miami taken from PBC PBI)

2021	Total Rain	Days >0.01"	Days >0.10"	Days >0.50"	Days 1.00">	Greatest Rain Day	Date
Jan	0.3	3	1	0	0	0.21	13-Jan
Feb	2.62	9	5	2	1	1.02	16-Feb
Mar	0.96	2	2	1	0	0.55	6-Mar
Apr	2.88	6	5	3	0	0.97	11-Apr
May	0.61	5	1	0	0	0.4	6-May
Jun	6.85	22	15	4	1	1.46	16-Jun
Jul	5.66	17	10	6	0	0.85	5-Jul
Aug	9.9	17	12	5	3	2.31	3-Aug
Sep	6.64	15	13	5	2	1.43	4-Sep
Oct	9.02	15	10	6	3	2.26	8-Oct
Nov	6.54	8	7	2	2	2.99	19-Nov
Dec	2.16	7	6	1	0	0.63	19-Dec

Source NWS: <https://w2.weather.gov/climate/index.php?wfo=mfi>

Significant weather activities during this past year:

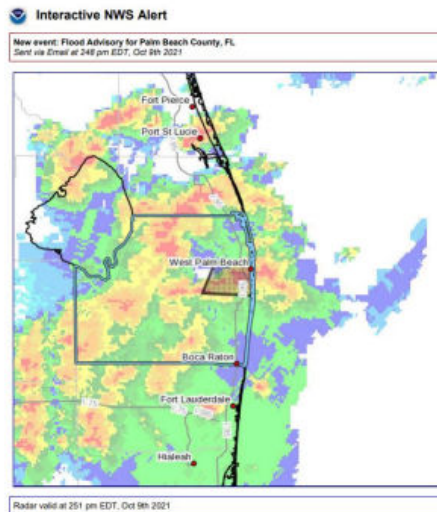
June 16, 2021

Doppler radar indicated heavy rain due to developing thunderstorms. Approximately 1.46 inches of rain have fallen causing minor flooding over portions of southeastern Palm Beach County.



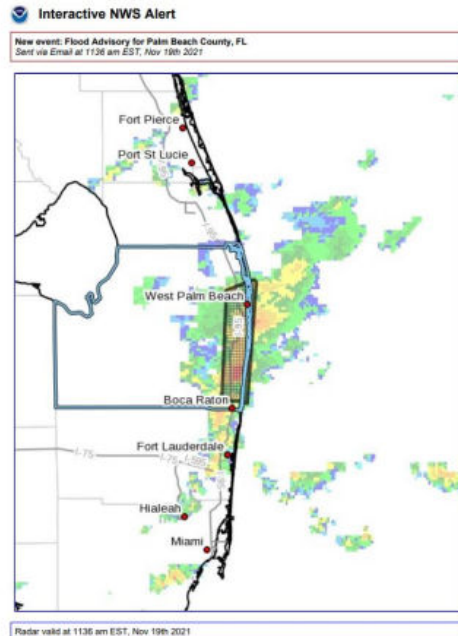
October 9, 2021

Doppler radar indicated heavy rain due to thunderstorms causing minor flooding within the areas of West Palm Beach, Wellington, Lake Worth, Palm Beach and Greenacres. Approximately 2.22 inches of rainfall was recorded.



November 19, 2021

Doppler radar and automated rain gauges indicated heavy rain due to thunderstorms causing minor flooding affecting West Palm Beach, Boca Raton, Boynton Beach, Delray Beach, Palm Beach Gardens, Lake Worth, Riviera Beach, Palm Beach, Highland Beach, Ocean Ridge, Greenacres, Palm Springs, North Palm Beach, Lantana, Lake Park, Atlantis, Haverhill, Cloud Lake, Gun Club Estates and Village Of Golf. Approximately 2.99 inches of rainfall was recorded.



5. What impact did the flooding have on repetitive loss areas?

This office did not receive any reports of flooding from repetitive loss property area owners. The rainfall average total was approximately 10 inches below the normal rainfall average in 2021 throughout unincorporated PBC, and the county was limited to minor street flooding. No structures were reported flooded during any of 2021 rain events.

6. List each element of the plan and note how much was accomplished during the previous year.

Major progress in the LMS program during this reporting period includes:

- The LMS Program continued its mitigation efforts as the spread of COVID-19 slowed and we transitioned back to a normal schedule for most government and private sector agencies within Palm Beach County in 2021. In-person meetings that were all but impossible due to social distancing requirements resumed, along with travel for work and training. Our LMS team continued to adapt by using virtual means of communication in order to keep moving the program forward, and almost all of our normal meetings were held as scheduled.

- Quarterly Meetings were held for the LMS Working Group (4), LMS Steering Committee (4), and the CRS Users Group (4). There were two (2) meetings of the LMS Evaluation Panel to evaluate, score, and rank new projects for the Prioritized Project List (PPL).
- We continue to use the LMS WebEOC portal in capturing community submission packages for the Prioritized Project List (PPL). A total of 91 projects are active on our PPL.
- The LMS Newsletter was published four (4) times in 2021. These documents are sent out to the LMS Working Groups, available to all municipalities to be displayed in their public spaces, and posted online at <https://discover.pbcgov.org/publicsafety/dem/Sections/Planning-Local-Mitigation-Strategy.aspx>.
- Completed the Dike Failure Hazard Specific Plan, addressing response to a breach or failure of the Herbert Hoover Dike and the Corbett Berm, and subsequent flooding to the identified vulnerable areas, in Palm Beach County.
- Palm Beach County along with Broward, Monroe, and Miami-Dade continued to enhance the Southeast Florida Regional Climate Change Compact to coordinate mitigation and adaptation activities across county lines. Palm Beach County hosted the 13th Annual Climate Leadership Summit virtually on December 9 and 10, 2021. This summit emphasizes how climate resiliency is cross-sector and intersects with all of PBC's Departments.
- PPL Mitigation projects continued to be funded from previous disasters, including those of flood mitigation projects. See *Annex 1* for updated projects in progress or completed from FEMA disaster number 4468.

7. Were any objectives not reached or are implementation behind schedule? If so, state why.

As a result of the response to COVID-19, the Program for Public Information (CRS Activity 330) was not completed as scheduled in 2021. However, it is now in final review with our stakeholders and should be finalized by May of 2022.

8. Should new projects be started or should any of the recommendations or objectives be revised?

The LMS PPL returned to its normal schedule. New projects were scored/ranked, after a vote of the LMS Working Group, in two (2) periods. These two (2) review periods took place in March/April 2021, and the second in October/November 2021. Seven (7) out of the 18 projects added in the March/April period and 14 out of the 19 projects added in the October/November 2021 period were dedicated to mitigate flooding issues within the respective communities. Projects on the list for then more than five (5) years at the time of bi-annual reviews were reviewed, and if necessary, either updated or purged.

9. Progress Reports discussed and/or made available at a public meeting.

The status of all mitigation projects and success stories were reported and discussed at the quarterly LMS Working Group and Steering Committee meetings (open to the public). An update to the website includes the number of new and existing projects. The PPL is posted on the DEM website once approved by the Steering Committee, and is publicly available for review at [https://discover.pbcgov.org/publicsafety/dem/PDF/Fall%202021%20Prioritized%20Project%20List%20\(PPL\).pdf](https://discover.pbcgov.org/publicsafety/dem/PDF/Fall%202021%20Prioritized%20Project%20List%20(PPL).pdf).

All general meetings are publicized through media releases, social media platforms, and posted announcements. See *Annex 2* for media release example. The minutes for each LMS Working Group and Steering Committee meeting are posted on our LMS webpage for public consumption at <https://discover.pbcgov.org/publicsafety/dem/Sections/Planning-Local-Mitigation-Strategy.aspx>.

10. We have provided copies of this report to our governing board and local media.

The governing board for the CRS is the LMS Steering Committee. Copies of this progress report have been provided to members of the Steering Committee and have been posted to the homepage of the Palm Beach County Division of Emergency Management website for public review. A media release announcing the report and its posting has been executed.

Annex 1: PPL Project Progress

As part of this annual progress report preparation process, the LMS Coordinator prepares an update on the status of all active county flood mitigation projects from the state. The most current update to projects submitted for Hazard Mitigation Grant Program (HMGP) funds for Hurricane Dorian that were awarded funds are listed below. A total of \$898,144.43 were funded in total project costs.

Hurricane Dorian DR-4468

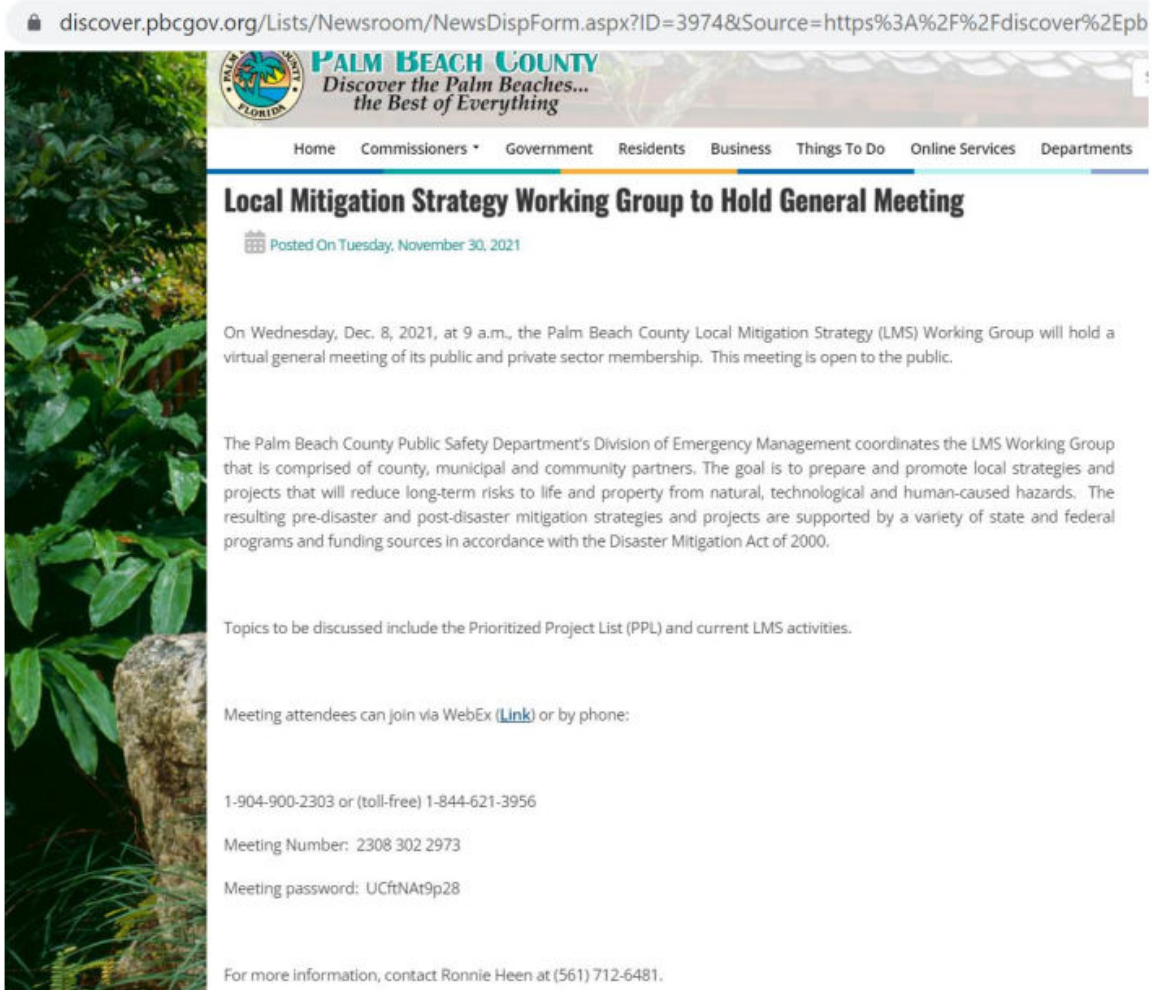
Disaster Number	Project Number	Subgrantee	Project Title	Type	Project Status	Date Initially Approved	Project Date Closed	Federal Share Obligated	Fed Share Grants Admin Amount	Fed Share Subgrantee Admin Amount	Subrecipient Management Costs Obligated Amount	Total Obligated Amount
4468	008	Rivers Beach	City of Rivers Beach Lift Station#47 Generator	0012 Generators- Regular	Approved	5/6/2021		\$224,92.00	\$0.00	\$24,580.00	\$97,737.80	\$4,84.00
4468	0023	Palm Springs	Various Palm Springs Development North Basin Drainage	031 Feasibility Engineering and Design Studies	Approved	9/28/2021		\$8244.01	\$0.00	\$4,827.00	\$2880.23	\$28,238.00
4468	0029	JUPITER FORTWORTH	Revised Jupiter WFP Sewer Room Code Plus Sale Rooms Generator	032 Feasibility Engineering and Design Studies- Sale Rooms	Approved	9/29/2021		\$4,329.47	\$0.00	\$0.00	\$4,329.47	\$11,025.00
4468	0027	Lake Park	Revised Lake Park Lake Park Harbor Marina Drainage	031 Feasibility Engineering and Design Studies	Approved	9/29/2021		\$8,425.45	\$0.00	\$0.00	\$8,425.45	\$291,922.00
4468	0030	Rivers Beach	City of Rivers Beach Lift Station Generators	0012 Generators- Regular	Approved	9/28/2021		\$7,077.90	\$0.00	\$7843.75	\$29,712.95	\$2,892.90

This report will be released to the media via the county's Public Affairs Department, and posted on the Division of Emergency Management's website.

Annex 2: Media Release example for LMS Meetings

LMS Working Group Meeting: Media Release Distributed on November 30, 2021.

discover.pbcgov.org/Lists/Newsroom/NewsDispForm.aspx?ID=3974&Source=https%3A%2F%2Fdiscover%2Epb



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Local Mitigation Strategy Working Group to Hold General Meeting

Posted On Tuesday, November 30, 2021

On Wednesday, Dec. 8, 2021, at 9 a.m., the Palm Beach County Local Mitigation Strategy (LMS) Working Group will hold a virtual general meeting of its public and private sector membership. This meeting is open to the public.

The Palm Beach County Public Safety Department's Division of Emergency Management coordinates the LMS Working Group that is comprised of county, municipal and community partners. The goal is to prepare and promote local strategies and projects that will reduce long-term risks to life and property from natural, technological and human-caused hazards. The resulting pre-disaster and post-disaster mitigation strategies and projects are supported by a variety of state and federal programs and funding sources in accordance with the Disaster Mitigation Act of 2000.

Topics to be discussed include the Prioritized Project List (PPL) and current LMS activities.

Meeting attendees can join via WebEx ([Link](#)) or by phone:

1-904-900-2303 or (toll-free) 1-844-621-3956

Meeting Number: 2308 302 2973

Meeting password: UCftNAt9p28

For more information, contact Ronnie Heen at (561) 712-6481.

Action Plan and Recommendations Municipal

Integration of Mitigation Measures

The following section identifies how the participating municipalities have incorporated mitigation into their planning processes, policies and/or ordinances. The municipalities continuously strive to expand and improve upon their mitigation measures as illustrated below and with the extensive listing of mitigation projects identified in Appendix E. The list below also represents the municipalities and agencies that are expected to adopt the LMS2024.

<i>Municipality</i>	<i>Resolution</i>	<i>Date LMS Adopted</i>
Palm Beach County (unincorporated)	R2014-1968	December 16, 2014
City of Atlantis	14-29	November 19, 2014
City of Belle Glade	2014-3130	December 1, 2014
City of Boca Raton	133-2014	November 25, 2014
City of Boynton Beach	R14-110	November 5, 2014
Town of Briny Breezes	2014-30	November 20, 2014
Town of Cloud Lake	2014-07	November 13, 2014
City of Delray Beach	67-14	December 9, 2014
Town of Glen Ridge	2014-3	November 5, 2014
City of Green Acres	2014-31	November 17, 2014
Village of Golf	2014-12	November 19, 2014
Town of Gulf Stream	14-17	December 12, 2014
Town of Haverhill	2014-11	November 13, 2014
Town of Highland Beach	14-009R	December 2, 2014
Town of Hypoluxo	14-439	November 19, 2014
Town of Juno beach	2014-05	December 10, 2014
Town of Jupiter	2-15	January 20, 2015
Jupiter Inlet Colony	2014-10	December 8, 2014
Town of Lake Clarke Shores	14-28	November 6, 2014
Town of Lake Park	01-01-15	January 7, 2015
City of Lake Worth Beach	05-2015	January 6, 2015
Town of Lantana	R-14-2014	November 24, 2014
Town of Loxahatchee Groves	2015-07	January 26, 2015
Town of Manalapan	4-2014	September 23, 2014
Town of Mangonia Park	2014-13	December 2, 2014
Village of North Palm Beach	2014-85	November 13, 2014
Town of Ocean Ridge	2014-16	December 1, 2014
City of Pahokee	2014-53	November 25, 2014
Town of Palm Beach	2-2015	January 13, 2015
City of Palm Beach Gardens	70-2014	December 4, 2014
Town of Palm Beach Shores	R-17-14	December 15, 2014
Village of Palm Springs	2014-66	December 11, 2014

Village of Royal Palm Beach	14-43	November 20, 2014
City of Riviera Beach	10-15	January 21, 2015
City of South Bay	44-2014	November 18, 2015
Town of South Palm Beach	02-2014	January 13, 2015
Village of Tequesta	7-15	January 26, 2015
Village of Wellington	R2014-67	January 13, 2015
City of West Palm Beach	2-15	January 5, 2015
South Florida Water Management District	Board Approval	December 14, 2014
Indian Trail Management District	Board Approval	January 12, 2015
Northern Palm Beach Improvement District	Board Approval	December 15, 2014

Incorporation of Existing Policies, Ordinances, and Programs

Since the implementation of the LMS, the PBC LMS Coordinator and Chairman of the LMS Working Group along with Working Group members were invited to participate and assist by reviewing municipality and water district local policies, ordinances, and programs to better identify areas where areas of mitigation principals may be aligned. Numerous planning agencies and documents were reviewed and addressed the needs of mitigation actions and recommended how often the local plans may be reviewed or updated into planning factors to assess countywide hazards and risks. They remain successful to discuss, review, and identify areas where PBC as a whole community can be more effective approach to mitigation and resiliency.

The incorporation of municipality and district plans includes reviews of the following:

- Southeast Florida Regional Climate Action Plan
- Palm Beach County Comprehensive Plan (PBC Planning, Zoning, and Building)
- Palm Beach County Comprehensive Emergency Management Plan
- Florida Administrative Code 9J-2.0256

Periodic reviews and revisions of the local government ordinances, policies, and programs must occur no less than once every other year. Each municipality that has not yet done so should adopt a floodplain management ordinance and participate in the Community Rating System (CRS) program. At the present time, the PBC LMS serves as a Floodplain Management Plan when adopted by a municipality or water management district.

After review of the activities in CRS Step 7, located in Sections 3.1.4 and appendices E, J, and L, the committee recommends the following actions and assigns the following priorities for those actions:

Activity	Recommended Action	How to Fund	Responsible Party	Priority	Timeline
Prevention	Each jurisdiction re-evaluate their	None needed	Jurisdictional building officials	1	Before the next LMS

	building code with the goal of ensuring a minimum 18-inch freeboard in place, with the goal of raising this requirement to 24 inches in the near future to prevent floods		and CRS program managers		update cycle
Prevention	Each jurisdiction re-evaluate their storm water management regulations and adjust (as necessary) the overall volume of future development/ redevelopment of storm water drains to handle increasing amounts of water as seen through frequent storms during the wet season and the potential for sea-level rise through the year 2040 to prevent floods	HMGP and FMA grants, Capital Improve funds	Jurisdictional storm water managers and engineering departments	2	Before the next LMS update cycle
Prevention	Each jurisdiction should review their comprehensive or land-use plan and consider the effects of more frequent storms and sea-level rise in future editions in order to avoid flooding conditions	None needed	Jurisdictional administrators and land-use experts	3	By the next update of these documents
Property Protection	Each jurisdiction should put procedures in place to sponsor private	HMGP, FMA, and PDM federal grant funding, as	Grants management in cooperation with jurisdictional	2	12/2028

	homeowners in their communities with repetitive loss or severe repetitive loss in obtaining grant funds for acquisition projects using available funding streams	well as HLMP state mitigation funds	legal and engineering departments		
Property Protection	Each jurisdiction should put procedures in place to sponsor private homeowners in their communities with repetitive loss and severe repetitive loss properties in obtaining grants for home elevation projects using available funding streams	HMGP, FMA, and PDM federal grant funding, as well as HLMP state mitigation funds	Grants management in cooperation with jurisdictional legal and engineering departments	1	12/2028
Natural Resource Protection	Each jurisdiction should inventory current natural areas and strive to acquire more areas to provide more natural beneficial flooding protection	Environment grants, FMA grants	Environmental department in conjunction with land-development /zoning boards	2	1/2028
Natural Resource Protection	Each jurisdiction should plan to strategically acquire natural lands around newly-identified neighborhoods during growth periods to allow for some natural protection against flooding	Environment grants, FMA grants	Environmental department in conjunction with land-development /zoning boards	1	12/2028

Emergency Services Activities	Each jurisdiction should acquire the capabilities offered by County DEM to allow for them to operate and function on the mass notification system within their jurisdictional boundaries to alert residents to all-hazards including flash flooding and hurricanes	No cost/free to municipalities within PBC	Municipal administrators, police chiefs, fire chiefs, emergency managers	2	12/2026
Emergency Services Activities	Each jurisdiction should participate in a minimum of one (1) annual exercise of emergency communications systems, with the most readily identifiable exercise being the annual statewide hurricane exercise (HURREX) to ensure communications capabilities during a flooding or any other hazard situation	None needed	Emergency Managers from each jurisdiction	1	Annually during the first week of May
Public Information Activities	Each jurisdiction should participate in a stakeholders (STK) event annually to maximize exposure of CRS and the NFIP to the citizens of their respective jurisdictions.	Minimal funding for handouts, information, and potential overtime/com p time for the event	CRS Coordinators from each jurisdiction, led by the PBC CRS who sets up the event annually	2	May/June Annually

Public Information Activities	Each jurisdiction should develop a Program for Public Information (PPI) to maximize public information coordination and activities related to CRS/flooding in their respective jurisdiction	No funding needed other than the members time to attend meetings and develop a PPI	CRS Coordinators from each jurisdiction	3	6/2027
Public Information Activities	Each jurisdiction should maintain a supply of CRS materials/handouts for use in all public outreach events, including information on hurricane/flood preparedness, NFIP, evacuation zones, and mass notification systems.	General funds or a small grant for printing costs of any localized handouts. FEMA handouts are available for free	CRS Coordinator from each jurisdiction in cooperation with their public information or public affairs department	1	12/2026

**Priorities are listed 1 – 3 depending on availability of funds and staffing*