

# DUVAL PREPARES

## LMS Advisory Group



Jacksonville, Florida

December 17, 2024 | 10:00 AM

# OPENING REMARKS AND INTRODUCTIONS





# Agenda

**Opening Remarks / Introductions**

**Announcements**

**LMS Maintenance Update**

**Review: Hazards, Goals and Objectives, Plans and Ordinances, and Public Outreach**

**LMS Project List Revision**

**Mitigation Grant Updates**

**HMGP DR-4734 Hurricane Idalia, HMGP Debby/Helene/Milton, and FMA/BRIC FY2024**

**Open Discussion**

**Closing Remarks and Adjournment**



# Duval County Local Mitigation Strategy

*“The local mitigation plan is the representation of the jurisdiction’s commitment to **reduce risks** from natural hazards, serving as a guide for decision makers as they **commit resources** to reducing the effects of natural hazards. Local plans will also serve as the basis for the State to **provide technical assistance** and to **prioritize project funding.**”*

**-44 CFR 201.6**

# LMS MAINTENANCE 2025 UPDATE

Work in completed / in progress



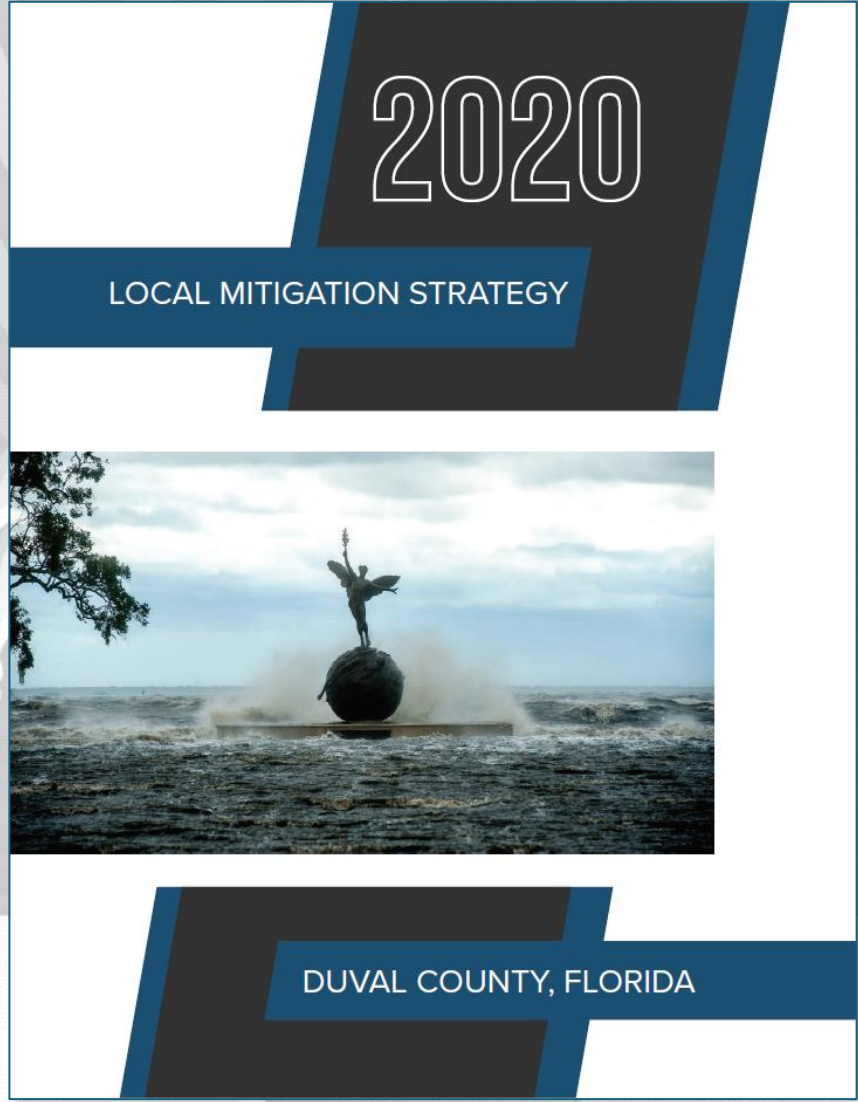


# Duval County Local Mitigation Strategy

FEMA and the State of Florida have approved the 2020 Duval County LMS.

- Expires: 8/18/2025.
- Update due to FDEM 2/18/2025.
- New FDEM LMS Liaison, Sabrina Uribe

**Need a new cover image,  
any suggestions?**



[jaxready.com/mitigation](http://jaxready.com/mitigation)



# Duval County Local Mitigation Strategy

= Completed  
= In Progress

- I:** Introduction (*Planning Process + Maintenance*)
- II:** Guiding Principles and Goals (*Mitigation Strategy*)
- III:** Hazard Identification and Vulnerability Analysis
- IV:** Mitigation Initiatives (*Mitigation Strategy*)
- V:** Funding Sources (*Mitigation Strategy*)



# Duval County LMS – Hazard ID / Profiles

Completed

## Current LMS Status (2025 Update):

- Re-organized the hazard profiles,
- Updated the hazard summary table to include scores,
- Included new header and footer notations,
- Created a “Maps” section in the contents table
- Updated all tables, figures, and maps with current data
- Updated all hazard profiles with new data (2020-current)
- Updated all plan references; added table identifying source documents
- Editing all body text for clarity
- Updated LMS Project List (hosted externally from draft LMS) (**pending approval**)
- Incorporated THIRA/SPR results





**Table 16: Duval County Hazard Risk Assessment, 1950– 2025**

Hazard	Frequency	Probability	Injury/Death	Infra-structure	Environ-ment	Overall Score out of 30	Duval	COJ	COJB	COAB	CONB	TOB
<b>Natural Hazards</b>	<b>/10</b>	<b>/5</b>	<b>/5</b>	<b>/5</b>	<b>/5</b>							
Wind (Tropical Cyclone/ Hurricane)	10	5	3	5	4	Very High 27	Y	Y	Y	Y	Y	Y
Storm Surge (Tropical Cyclone/ Hurricane)	9	4	3	5	4	Very High 25	Y	Y	Y	Y	Y	Y
Severe Weather	10	5	3	4	4	Very High 26	Y	Y	Y	Y	Y	No
Extreme Heat	10	5	5	0	0	High 20	Y	Y	Y	Y	Y	Y
Sea Level Rise	8	5	1	2	4	High 20	Y	Y	Y	Y	Y	Y
Flooding	10	5	0	2	1	High 19	Y	Y	Y	Y	Y	Y
Infectious Disease	10	4	5	0	0	High 19	Y	Y	Y		Y	Y
Drought	8	3	1	2	4	Moderate 18	Y	Y	Y	Y	Y	Y
Coastal Erosion (Environmental Degradation)	10	5	0	1	2	Moderate 18	Y	Y	Y	Y	Y	No
Saltwater Intrusion (Environmental Degradation)	10	5	0	0	2	Moderate 17	Y	Y	Y	Y	Y	Y
Wildfires	8	3	2	2	1	Moderate 16	Y	Y	Y	Y	Y	Y
Winter Storm	2	2	1	0	1	Very Low 6	Y	Y	Y	Y	Y	Y

## Section III – Hazard Identification and Vulnerability Analysis

Local Mitigation Strategy, 2025

Hazard	Frequency	Probability	Injury/Death	Infra-structure	Environ-ment	Overall Score out of 30	Duval	COJ	COJB	COAB	CONB	TOB
<b>Technological Hazards</b>												
Critical Infrastructure Disruption	10	5	2	2	1	High	20	Y	Y	Y	Y	Y
Hazardous Materials (HAZMAT)	10	5	1	1	2	Moderate	18	Y	Y	Y	Y	Y
<b>Man-made Hazards</b>												
Improvised Explosive Device	10	5	3	2	1	High	22	Y	Y	Y	Y	Y
Active Shooter	10	5	2	1	0	Moderate	18	Y	Y	Y	Y	Y
Biological	8	5	3	1	1	Moderate	18	Y	Y	Y	Y	Y
Cyber Attacks	10	5	0	2	0	Moderate	17	Y	Y	Y	Y	Y
Terrorism / Targeted Violence	6	2	2	2	2	Moderate	14	Y	Y	Y	Y	Y
Chemical	2	4	0	1	1	Low	8	Y	Y	Y	Y	Y



# Duval County LMS – Guiding Principles / Goals

**In Progress**

## Current LMS Status (2025 Update):

- Transcribed the original text of all goals/ policies/ objectives from source documents (in addition to the existing summaries)
- Added reference to Resilient Jacksonville (2023) and the Jacksonville regional THIRA/SPR (2023)





# Duval County

## LMS: Guiding Principles

**In Progress**  
(Duval Prepares Approves)

- I. Hazard mitigation should prevent future losses by reducing the risk to people and property;
- II. Hazard mitigation should emphasize both pre and post disaster efforts for decreasing the vulnerability of existing and new construction to loss;
- III. Hazard mitigation should emphasize prevention of repetitive losses from hazards;



# Duval County LMS: Guiding Principles

**In Progress**  
**(Duval Prepares Approves)**

- IV. Hazard mitigation efforts should strengthen and utilize land use guides to comprehensive planning, regional and local area plans, zoning codes, development standards and incentives to protect vulnerable properties and vulnerable areas;
- V. Hazard mitigation efforts should strive to protect the public and private sectors by reducing their economic vulnerability and increasing their recovery capabilities; and
- VI. Hazard mitigation should promote personal awareness and responsibility, with an emphasis on education and training for property owners, families and individuals, which should be communicated to the public in a simple, easy to understand format.



# Duval County LMS: Guiding Principles

**In Progress**  
(Duval Prepares Approves)

## Analysis:

- Guiding principles reflect general priorities for the county, based on review of source documents (comprehensive plans, CEMPs, resilience strategy, etc.)
- Translate well into goals and objectives.

**EPD & LMS Risk Assessment Subcommittee did not recommend any significant changes but welcome to discuss and/or refine verbiage.**



# Duval County LMS: Goals

**In Progress**  
**(Duval Prepares Approves)**

- **Goal 1:** Minimize future losses from disasters by reducing the risk to people and property.
- **Goal 2:** Emphasize pre- and post-disaster planning to decrease vulnerability of existing and new construction to loss.
- **Goal 3:** Prevent flood-related repetitive losses from natural disasters through retrofitting, infrastructure protection, regulation, and education.



# Duval County

## LMS: Goals

**In Progress**  
**(Duval Prepares Approves)**

- **Goal 4:** Strengthen and utilize comprehensive planning, regional and local area plans, zoning codes, development standards and incentives to protect vulnerable properties and vulnerable areas, and support development in less vulnerable areas.
- **Goal 5:** Strive to protect the public and private sector by reducing their economic vulnerability and increasing their recovery capabilities.
- **Goal 6:** Hazard Mitigation should promote personal awareness and responsibility, with an emphasis on education and training for property owners, families and individuals, which should be communicated to the public in a simple, easy to understand format.



New

Table 2: Incorporated Existing Local Documents, 2024

Publishing Agency	Year	Name of Source Material	Link to Source Material (if available)
Atlantic Beach	2045 (Draft)	COMP Plan	<a href="https://www.coab.us/DocumentCenter/View/17108/Draft-2045-Comprehensive-Plan">https://www.coab.us/DocumentCenter/View/17108/Draft-2045-Comprehensive-Plan</a>
Atlantic Beach	2014	CEMP Plan	<a href="https://coab.us/DocumentCenter/View/7712/MCEMP-COAB-2014-07-19?bidId=">https://coab.us/DocumentCenter/View/7712/MCEMP-COAB-2014-07-19?bidId=</a>
Atlantic Beach	2030	COMP Plan	<a href="https://www.coab.us/494/Comprehensive-Planning">https://www.coab.us/494/Comprehensive-Planning</a>
Duval County	2021	CEMP Plan	<a href="https://www.jaxready.com/getmedia/ea306dbd-53a8-4ba7-8f3d-9e1499baabd9/Duval-County-2021-CEMP-Final.aspx">https://www.jaxready.com/getmedia/ea306dbd-53a8-4ba7-8f3d-9e1499baabd9/Duval-County-2021-CEMP-Final.aspx</a>
Duval County	2024	Capital Improvement Plans	<a href="https://www.jacksonville.gov/mayor/mayor-s-transparency-dashboards/capital-improvement-projects-dashboard">https://www.jacksonville.gov/mayor/mayor-s-transparency-dashboards/capital-improvement-projects-dashboard</a>
Duval County	2021	Housing and Community Development Division; Consolidated Plan	<a href="https://www.jacksonville.gov/departments/neighborhoods/housing-and-community-development/community-development-block-grant-disaster-recov/cdbg-dr-docs/matthew/2021-2025-consolidated-plan-city-of-jacksonville.aspx">https://www.jacksonville.gov/departments/neighborhoods/housing-and-community-development/community-development-block-grant-disaster-recov/cdbg-dr-docs/matthew/2021-2025-consolidated-plan-city-of-jacksonville.aspx</a>
Duval County	2012	Post-Disaster Recovery Plan	Available Upon Request
Duval County	2023	HAZMAT HSP	Available Upon Request
Duval County	2024	Flood HSP	Available Upon Request
Duval County	2024	Hurricane HSP	Available Upon Request
Duval County	2023	Terrorism Response HSP	Available Upon Request
Duval County	2024	Severe Weather HSP	Available Upon Request
Duval County	2018	Tornado HSP	Available Upon Request
Duval County	2024	Wildfire HSP	Available Upon Request
Jacksonville	2025	Emergency Preparedness and Response Guide	<a href="https://www.jaxready.com/getmedia/3ef02d3b-0da4-4268-8ff9-ee3429ca739c/EPG-2024-2025-FINAL.aspx">https://www.jaxready.com/getmedia/3ef02d3b-0da4-4268-8ff9-ee3429ca739c/EPG-2024-2025-FINAL.aspx</a>
Jacksonville	2000	Better Jacksonville Plan	<a href="https://library.municode.com/fl/jacksonville/codes/code_of_ordinances?nodeId=TTXXIITA_C_H761THBEJAPL">https://library.municode.com/fl/jacksonville/codes/code_of_ordinances?nodeId=TTXXIITA_C_H761THBEJAPL</a>
Jacksonville	2023	Resilient Jacksonville	<a href="https://drive.google.com/file/d/1j21eOUZoeX_hafPlkn1OdQZ1vY5QsALm/view">https://drive.google.com/file/d/1j21eOUZoeX_hafPlkn1OdQZ1vY5QsALm/view</a>
Jacksonville	2045	COMP Plan	Available Upon Request
Jacksonville	2014	Master Storm Water Management Plan	Available Upon Request

Table 12: Duval County, Local Mitigation Plans and Policies

Duval County, Local Mitigation Plans and Policies	
Source	Goal / Objective / Policy
<b>New</b>	<b>Decrease Vulnerability</b>
<p><u>COAB 2045 COMP – Infrastructure</u> Goal C.2</p>	<p>Goal C.2: Adequate stormwater management and provisions for drainage shall be provided to afford reasonable protection from flooding and to prevent degradation in the quality of receiving surface water and ground water.</p> <ul style="list-style-type: none"> <li>• Objective C.2.1: Protection of Natural Drainage Features</li> <li>• Objective C.2.2: Stormwater Management and Drainage Facilities</li> </ul>
<p><u>Coastal Management</u> Goal D.2 Objective D.2.1 Objective D.2.2 Objective D.2.3</p>	<p>Goal D.2: The City shall maximize, to the extent feasible, provisions and opportunities for the protection of life and property from the effects of hurricanes and other natural disasters.</p> <ul style="list-style-type: none"> <li>• Objective D.2.1: Hurricane Evacuation</li> <li>• Objective D.2.2: Redevelopment after a Natural Event</li> <li>• Objective D.2.3: Hazard Mitigation</li> </ul>
<p><u>Duval County 2021 CEMP – Basic Plan</u></p>	<p>The CEMP establishes the framework, as authorized by Chapter 252, Florida Statutes, to ensure that the City of Jacksonville is resilient and prepared to address all hazards, regardless of the magnitude of the incident or disaster. Once the decision to fully activate the Emergency Preparedness Organization is made, the structure and responsibilities will be consistent with Section 674.203, City of Jacksonville Ordinance Code.</p>
<p><u>Evacuation Plan</u></p>	<p>The City of Jacksonville Evacuation Plan details the logistics and response activities associated with the successful evacuation of the residents and visitors in the City of Jacksonville. Procedures tested through training and exercises.</p>
<p><u>Exercises</u></p>	<p>The purpose of the exercise process is to provide an opportunity for the City of Jacksonville stakeholders, to demonstrate roles and responsibilities. These inter-agency exercises may be seminars, workshops, tabletops, functional, drills, or full-scale exercises. The types of training activities depend on the scenarios, participants, and objectives of the exercises. All exercises are conducted according to the requirements of the Homeland Security Exercise Evaluation Program (HSEEP). At the conclusion of each exercise, the EPD seeks feedback and analysis from exercise participants.</p>
<p><u>Training</u></p>	<p>The EPD is responsible for ensuring that all members of the EOC Staff and personnel with incident response (ICS) roles are trained. Training and Exercise Coordinator is responsible for the coordination of local training programs.</p>

**Table 11: LMS Goals and Objectives**

Activity Class	Objectives	Actions	Implementation Documents	Agency Depts.	Timeline
<p><b>Goal 1:</b> Prevention</p>	<p>Objective 1.1: Protection of populations and properties in the COJ susceptible to economic or physical loss from natural and man-made disasters shall be consistent with the standards established in the LMS and other planning documents.</p>	<ol style="list-style-type: none"> <li>1. Examine current practices related to construction of infrastructure</li> <li>2. Identify ways to build infrastructure more resiliently</li> <li>3. Identify ways to retrofit resiliency and build it into new construction.</li> <li>4. Identify regulations that need changes to allow for wet / dry flood-proofing or elevate</li> <li>5. Change regulations to allow or require resiliency</li> <li>6. Identify areas appropriate for development limitations</li> <li>7. Increase and safeguard the supply of affordable housing in low-risk and well-connected neighborhoods</li> <li>8. Improve critical infrastructure and asset digital security from cyberattacks</li> <li>9. Improve housing condition and quality</li> <li>10. Coordinate resilience actions and policies across agencies and relevant independent authorities</li> </ol>	<p>COJ Ordinance Ch. 674, Emergency Preparedness, COJ Resilience Strategy (2023)</p>	<p>COJ EPD, DPW, PDD, COJ Housing and Community Development Division (HCDD - Neighborhoods)</p>	<p>Ongoing</p>
<p><b>Goal 1:</b> Prevention</p>	<p>Objective 1.2: Encourage higher standards of maintenance to existing drainage systems and retention ponds and monitor cumulative development impacts with a macroscopic view.</p>	<ol style="list-style-type: none"> <li>1. Implement solutions of the Storm Resiliency &amp; Infrastructure Development Review Committee</li> <li>2. Coordinate with USACE and FDEP to discover best practices from other communities within Florida</li> <li>3. Build ecological and recreational connections across COJ's parks and open spaces</li> <li>4. Develop a green stormwater infrastructure program across COJ based on the best available science and data</li> <li>5. Strengthen community cohesion in all COJ's neighborhoods through quality public spaces, events, and activities</li> </ol>	<p>COJ Ordinance (2018-157-E) , COJ Resilience Strategy (2023)</p>	<p>COJ DPW, PDD, JEA</p>	<p>Short Term Ongoing</p>



# Duval County LMS: Goals

**In Progress**  
**(Duval Prepares Approves)**

**Analysis:** Goals meet the criteria in the FEMA/FDEM Update Manual.

## ELEMENT C. MITIGATION STRATEGY

- C1. Does the plan document each participant's existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement 44 CFR § 201.6(c)(3)) **Yes**
- C1-a. Does the plan describe how the existing capabilities of each participant are available to support the mitigation strategy? Does this include a discussion of the existing building codes and land use and development ordinances or regulations? **Yes, can add more details re: building codes. Only some are described in detail (i.e. floodplain ordinance).**
- C1-b. Does the plan describe each participant's ability to expand and improve the identified capabilities to achieve mitigation? **Yes, Activity Class + Actions**



# Duval County LMS: Goals

**In Progress**  
**(Duval Prepares Approves)**

**Analysis:** Goals meet the criteria in the FEMA/FDEM Update Manual.

## ELEMENT C. MITIGATION STRATEGY

- C2. Does the plan address each jurisdiction's participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement 44 CFR § 201.6(c)(3)(ii))
  - **Need more input in this area from floodplain managers from each jurisdiction**

**Recommendation is to add details surrounding building codes and expand the NFIP participation methods (document p. 26). Do not see any need to modify the existing goals; they translate well into mitigation projects.**



# Duval County

## LMS: Policies, Ordinances, and Programs

**In Progress**

Need assistance from each jurisdiction validating all plans and policies are accurately captured.

- **Table 11** (p. 31) lists the LMS goals and objectives and identifies actions and implementation documents (i.e. policies, ordinances).
- **Table 12** (p. 40) lists the full text of those policies, ordinances, etc. for reference.
- The LMS should demonstrate the relationship that
  - **Policies > Objectives > Actions > Projects**

Table 12: Duval County, Local Mitigation Plans and Policies

Duval County, Local Mitigation Plans and Policies	
Source	Goal / Objective / Policy
<b>Decrease Vulnerability</b>	
<b>COAB 2045 COMP – Infrastructure</b> Goal C.2	Goal C.2: Adequate stormwater management and provisions for drainage shall be provided to afford reasonable protection from flooding and to prevent degradation in the quality of receiving surface water and ground water. <ul style="list-style-type: none"> <li>Objective C.2.1: Protection of Natural Drainage Features</li> <li>Objective C.2.2: Stormwater Management and Drainage Facilities</li> </ul>
<b>Coastal Management</b> Goal D.2 Objective D.2.1 Objective D.2.2 Objective D.2.3	Goal D.2: The City shall maximize, to the extent feasible, provisions and opportunities for the protection of life and property from the effects of hurricanes and other natural disasters. <ul style="list-style-type: none"> <li>Objective D.2.1: Hurricane Evacuation</li> <li>Objective D.2.2: Redevelopment after a Natural Event</li> <li>Objective D.2.3: Hazard Mitigation</li> </ul>
<b>Duval County 2021 CEMP – Basic Plan</b>	The CEMP establishes the framework, as authorized by Chapter 252, Florida Statutes, to ensure that the City is prepared to address all hazards, regardless of the magnitude of the incident or disaster. Once the decision to activate the Emergency Preparedness Organization is made, the structure and responsibilities will be consistent with Section 62A.05, Florida Code.
<b>Evacuation Plan</b>	The City of Jacksonville Evacuation Plan details the logistics and response activities associated with evacuating residents and visitors in the City of Jacksonville. Procedures tested through training and exercises.
<b>Exercises</b>	The purpose of the exercise process is to provide an opportunity for the City of Jacksonville stakeholders to identify and address responsibilities. These inter-agency exercises may be seminars, workshops, tabletops, functional, drills, training activities depend on the scenarios, participants, and objectives of the exercises. All exercises are designed to meet the requirements of the Homeland Security Exercise Evaluation Program (HSEEP). At the conclusion of each exercise, an analysis from exercise participants.
<b>Training</b>	The EPD is responsible for ensuring that all members of the EOC Staff and personnel with incident response responsibilities. The Exercise Coordinator is responsible for the coordination of local training programs.

Need each jurisdiction to validate the **plans/policies** in tables 11 and 12.

Should demonstrate the relationship that **Policies > Objectives > Actions > Projects**

Section II – Guiding Principles and Goals		Local Mitigation Strategy			
Activity Class	Objectives	Actions	Implementation Documents	Agency Depts.	Timeline
<b>Goal 4: Property Protection</b>	<b>Objective 4.9:</b> Review and consider policies to assure more permeable area in development, by limiting construction of paved surfaces and decreasing run-off.	<ol style="list-style-type: none"> <li>1. Research additional policies to promote permeable areas</li> <li>2. Implement policies that limit construction of paved surfaces in vulnerable areas</li> <li>3. Repurpose vacant land for uses that best support resilience goals</li> <li>4. Retrofit parking lots and impervious surfaces to reduce urban heat and increase stormwater infiltration and storage</li> </ol>	Land Development Procedures Manual, TOB Code of Ordinances Land Development Code Article VIII Division 3 Section 22-384-409, COJ Resilience Strategy (2023)	COJ PDD	Long Term
<b>Goal 4: Property Protection</b>	<b>Objective 4.10:</b> Promote and support incentives to encourage higher standards of protection to structures and facilities from hazards.	<ol style="list-style-type: none"> <li>1. Review existing standards of protection for effectiveness</li> <li>2. Develop incentive schemes for adherence to higher standards of protection</li> <li>3. Maximize the resilience of city-owned buildings and assets</li> <li>4. Support regional resilience efforts</li> <li>5. Coordinate and leverage resilience investments with federal partners and resources, including military partners</li> </ol>	Land Development Procedures Manual, COMP, COJ Ordinance Ch. 652, COJ Ordinance Ch. 321, COJ Resilience Strategy (2023)	COJ PDD	Short Term Ongoing
		<ol style="list-style-type: none"> <li>1. Conduct pre-storm planning to address dune resilience</li> <li>2. Identify funding sources to implement dune resilience system</li> <li>3. Invest strategically in hardened shorelines</li> <li>4. Identify shorelines where natural and nature-based solutions can provide long-lasting ecosystem service benefits</li> </ol>	COMP Plans, COJ Resilience Strategy (2023)	COJ PDD, COJ DPW, USACE	Long Term Ongoing

DUVAL LMS PROJECT LIST 20240820 [2] Duval County Local Mitigation Strategy Project List Valid as of 9/23/2024

Duval County Local Mitigation Strategy Project List											
Project Number	Name & Description of Project	Jurisdiction (Location of Project)	Agency Responsible for Implementation	Jurisdictions Directly Benefiting from the Project	Hazards Mitigated	Mitigation Goals Achieved	Potential Funding Source(s)	Match (if applicable)	Estimated Costs	Status: New, Existing or Deferred	Timeframe for Completion
1	Aquatic Gardens Flood Mitigation: Replacement of insufficient box culvert to alleviate the identified main pinch point and reconstruct adjacent roadway. Property may also be acquired to enlarge the existing retention pond servicing the area.	City of Atlantic Beach	City of Atlantic Beach - Department of Public Works	City of Atlantic Beach	F/SS	Goal 1: Reduce Risk	Post Disaster Funding	Y	\$2,000,000	In Progress as of August 2024	24 Months
2	Stanley Road Flood Mitigation: Replace all existing drainage piping related to a flood-prone area to redirect storm water to an FDOT-owned retention pond at Mayport Road	City of Atlantic Beach	City of Atlantic Beach - Department of Public Works	City of Atlantic Beach	F/SS	Goal 1: Reduce Risk	Post Disaster Funding	Y	\$660,130	In Progress as of August 2024	24 Months
3	Cutlass Drive Box Culvert Replacement: Replacement of existing 4-foot-by-6-foot box culvert in the Hopkins Creek Ditch at Cutlass Drive in the Hopkins Creek drainage basin with a double 4-foot-by-6-foot box culvert	City of Atlantic Beach	City of Atlantic Beach - Department of Public Works	City of Atlantic Beach	F/SS	Goal 1: Reduce Risk	HMGP Tier III	Y	\$442,180	In Progress as of August 2024	12 Months
4	Cutlass Drive Box Culvert Expansion: Expand the existing box culvert at Cutlass Drive and provide additional storage of stormwater runoff in the Hopkins Creek drainage ditch	City of Atlantic Beach	City of Atlantic Beach - Department of Public Works	City of Atlantic Beach	F/SS	Goal 1: Reduce Risk	HMGP 4408-050-R	Y	\$1,500,000	New - Funded	36 Months
5	Dora Drive Flood Mitigation Pond: Construct a pond providing stormwater runoff storage to help relieve flooding in the Francis Ave area	City of Atlantic Beach	City of Atlantic Beach - Department of Public Works	City of Atlantic Beach	F/SS	Goal 1: Reduce Risk	Multiple: Local/ State/ Federal (including pre & post disaster funding)	TBD	\$1,500,000	New	48 Months



# Duval County

## LMS: Public Outreach

**In Progress**

### Planned Outreach

- EPD will post the Draft LMS on JaxReady.com on January 18, 2024. (provides 30 day comment period)
- EPD will attend Citizen Planning Advisory Committee (CPAC) meetings in January 2025 and February 2025.



# LMS PROJECT LIST

## REVISION





# LMS Project List Revision

The entire LMS Project List has been revised in preparation for the 2025 Update.

- New projects submitted (12 total)
- Implementation Actions (plans/programs/projects) from the Resilient Jacksonville plan have been incorporated (27 total)
- Project status updates
- Completed projects recorded



# New Projects: City of Atlantic Beach

**Sea Gardens Lift Station Generator:** Purchase and install a generator at the sewer lift station at 2277 Seminole Rd

**Dora Drive Flood Mitigation Pond:** Construct a pond providing stormwater runoff storage to help relieve flooding in the Francis Ave area

**20th St Lift Station Generator:** Purchase and install a generator at the sewer lift station at 404 20th Street

**Cavalla Road St Lift Station Floodproofing:** Protect the Cavalla Road sewage lift station from a 100-year flood

**Palm Ave Lift Station Flood Protection:** Convert the existing lift station to a submersible station with a watertight hatch and relocate all electrical equipment to an elevation above the predicted 2044 BFE.



# New Projects: City of Jacksonville

**Downtown Pile Supported Infrastructure Protection:** Add pile jacketing to protect the existing structural support systems and repairing any spalling of concrete and covering any exposed rebar.

**Residential Acquisition and Demolition:** 8369 Bascom Road, Pottsburg Creek

**Residential Elevation:** 2215 River Blvd.

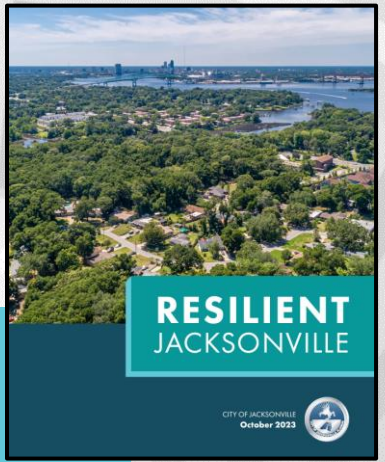
**Residential Elevation:** 1981 Greenwood Avenue

**Residential Elevation:** 4377 Port Arthur Road

**Acquisition:** 4248 Pat Road Acquisition/Demolition



# Resilient Jacksonville Projects



<https://www.jacksonville.gov/resilience>

## IMPLEMENTATION MATRIX

Approach	Action	Subaction	Implementation Partners	Timeframe	Cost
<p>Grow Resiliently</p>	<p>1 Guide future growth in areas that are at low risk and well-connected to infrastructure.</p>	1.1 Update the City's land development regulations.	Planning & Development / JEA / JTA / North Florida TPO / Development Community	Immediate	\$\$
		1.2 Facilitate strategic infill development in areas of low flood risk.			
		1.3 Incorporate resilience considerations into future land use.			
<p>Transform</p>	<p>10 Expand Jacksonville's tree canopy.</p>	10.1 Plant more climate-adaptive trees to increase shade and ecosystem value.	Parks / Public Works / Tree Commission / Greenscape	Medium-Term	\$\$
		10.2 Develop an Urban Forest Management Plan.			
		10.3 Improve the City's engagement with neighborhoods on the management and expansion of Jacksonville's tree canopy.			

**LMS Projects (#127-153)** were adapted from the Resilient Jacksonville Implementation Matrix. These cover a wide base of mitigation projects, regulatory actions, and planning efforts.



# LMS Project List: Project Approval

The recommendation is to adopt the updated list of projects, including all new projects that were added during the recent plan update cycle.

**Motion:** Adopt new LMS Project List in Whole

**Discussion?**

# MITIGATION GRANT UPDATES





# Grant Updates

## HMGP DR-4734 Hurricane Idalia

Duval submitted two projects

- Wildfire Mitigation at 4 preserve parks
- Shelter Generators

FEMA-4734-DR-FL 12-Month Lock-in as of 9/23/2024		
County	Regular Projects HMGP Funding	25% Match Required
Alachua	\$ 2,578,103.89	\$ 859,367.96
Baker	\$ 2,493,453.88	\$ 831,151.29
Bay	\$ 2,527,339.38	\$ 842,446.46
Bradford	\$ 2,493,453.88	\$ 831,151.29
Brevard	\$ 2,493,453.88	\$ 831,151.29
Calhoun	\$ 2,493,453.88	\$ 831,151.29
Charlotte	\$ 3,798,986.13	\$ 1,266,328.71
Citrus	\$ 11,088,927.50	\$ 3,696,309.17
Clay	\$ 2,532,348.23	\$ 844,116.08
Collier	\$ 2,493,453.88	\$ 831,151.29
Columbia	\$ 4,435,309.81	\$ 1,478,436.60
DeSoto	\$ 2,520,280.94	\$ 840,093.65
Dixie	\$ 7,559,270.33	\$ 2,519,756.78
<b>Duval</b>	<b>\$ 2,653,310.84</b>	<b>\$ 884,436.95</b>
Flagler	\$ 3,289,083.34	\$ 1,096,361.11
Franklin	\$ -	\$ -

Funding Source	LMS Project #	Funding Priority	Projects	Jurisdiction	Project Cost
HMGP Tier 1	122	1	COJ Preserve Park Wildfire Mitigation (A-D; 4 Locations)	City of Jacksonville	\$535,500.00
	A	-	Beach and Peach Urban Park	City of Jacksonville	
	B	-	Bulls Bay Preserve	City of Jacksonville	
	C	-	Monticello A Preserve	City of Jacksonville	
	D	-	Seaton Creek Preserve	City of Jacksonville	
	92	2	COJ Shelters/Special Medical Needs Shelters Critical Facility Generators	City of Jacksonville	\$187,700.00
	<b>Tier 1 Total:</b>				





# Grant Updates

HMGP Debby/Helene/Milton

## **DR-4806 Hurricane Debby**

- Expect NOFA in Mid-December 2024

**DR-4828 and DR-4834 (Helene and Milton)** will be a combined NOFA in 2025

- We will apply for them separately, but they will be released together under one NOFA



# Grant Updates

## Flood Mitigation Assistance (FMA) FY24

FEMA has not released any information yet on the opening date of the FMA application period. FDEM will release a notice with the *State's* deadline to submit subapplications as soon as the NOFO is released.

- Notice of Interest (NOI) forms were submitted for residential projects: acquisition/demolition and elevation.



# Grant Updates

Building Resilient Infrastructure and Communities (BRIC) FY24

FEMA has not released any information yet on the opening date of the BRIC application period. FDEM will release a notice with the *State's* deadline to submit subapplications as soon as the NOFO is released.

- Start gathering subapplication documentation now.
- If you plan to submit a BRIC application, please contact me (Noah Ray) if a letter of support will be requested from the LMS Chair.



# Grant Updates

## *Federal Flood Risk Management Standard (FFRMS)*

The full implementation of **FFRMS is effective as of 9/9/24**, under FEMA Policy 206-24-005. The project activities that the full implementation of FFRMS applies to include, but are not limited to:

- Structure elevation, mitigation reconstruction, or dry floodproofing
- New construction, substantial improvement, or repairs to address substantial damage



# Grant Updates

## *Federal Flood Risk Management Standard (FFRMS)*

Critical Actions now need to be protected to a **higher elevation**. The project will need to be protected to the **Base Flood Elevation (BFE) + 3ft** or the 0.2% annual chance floodplain, whichever elevation is higher.

- Applications for disasters declared **on or after the effective date (9/9/24)** of this policy will be required to meet the elevation standards set forth in the full implementation of FFRMS.
- FFRMS also applies to non-disaster applications such as **BRIC, FMA and Swift Current**. Previous disasters were only required to meet the expectations of the partial implementation of FFRMS.



# Grant Updates

## FEMA GO Updates

There have been changes to the process to create an account and to log in to FEMA GO.

- Download FEMA GO Start Up Guide for Step-by-Step Instructions on how to gain access to FEMA GO for existing users and new users: [[https://www.fema.gov/sites/default/files/documents/fema-go\\_startup-guide.pdf](https://www.fema.gov/sites/default/files/documents/fema-go_startup-guide.pdf)]
- Please start this process now so that any issues may be resolved prior to the opening of the application periods.
- Subapplications must be submitted in FEMA GO for BRIC, FMA and FMA Swift Current.



# Grant Updates

## Elevate Florida

Florida Division of Emergency Management announced Florida's first statewide Residential Mitigation program, **Elevate Florida**.

The goal is to enhance community resilience by mitigating **private residences** against natural hazards. FDEM will be publicizing when and how residents can apply within the next few weeks.

All LMSWGs should send us their list of interested residents along with any local areas they may want to focus our outreach on:

- Repetitive loss areas
- Neighborhoods that flood frequently
- High impact areas (post-Helene and Milton)



# ELEVATE FLORIDA

The Florida Division of Emergency Management is excited to announce Florida's first statewide Residential Mitigation program, Elevate Florida.

The goal of this program is to enhance community resilience by mitigating private residences against natural hazards.



## Elevation

Physically raising an existing structure utilizing a variety of methods



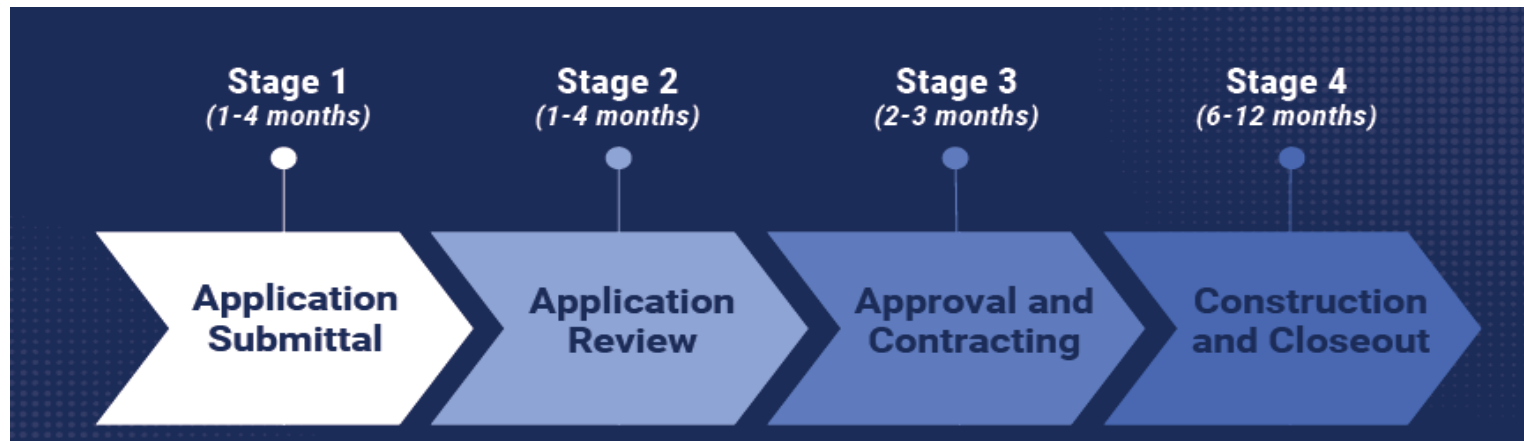
## Mitigation Reconstruction

Construction of an improved, elevated building where an existing building has been partially or completely demolished or destroyed



## Acquisition

A local community purchases a structure from voluntary sellers and it's demolished





## Next Steps

More information about how and when to apply is coming soon. Subscribe to receive future communications by selecting at Residential Mitigation Communications at <https://www.FloridaDisaster.org/Subscription-Topics/>.

You can prepare for the application by compiling the following information:

- Photos of any flooding inside or outside of the home (if available)
- Photos of high-water marks and photos measuring the height of the marks
- Insurance claim payouts or assistance documentation (if available)
- Receipts or estimates for repairs from previous events
- Records and receipts for any disaster-related assistance received
- A list of aesthetic alterations to the home and year completed (if home is over 45 years old)
  - Window/door replacement
  - Roof replacement
  - Remodeling
  - Painting or re-siding
  - Additions, decks, landings or garages
  - Any historic use of structure

# OPEN DISCUSSION

