



Environmental Protection and Growth Management Department

EMERGENCY MANAGEMENT DIVISION

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MEMORANDUM

To: Board of County Commissioners

From: Miguel Ascarrunz, *ma* Director, Emergency Management Division

Date: December 4, 2017

Subject: Enhanced Local Mitigation Strategy (ELMS) Five-Year Update Summary

Broward County performed the required five-year update of the County's mitigation plan starting in November 2016 and concluding in September 2017. The update consisted of extensive planning involving stakeholders from the state, county and all municipalities and was supported by a contracted vendor. Public meetings were held monthly as well as a Vulnerability Assessment Workshop with stakeholders that was instrumental and yielded necessary data for the update.

The following represents major updates and revisions included in the ELMS five-year updated document:

- Chapter 2 includes a revision and update to the County Profile which included an update of the geography, economic information and demographics for the county using the latest census and American Community Survey (ACS) data as well. Also included in the update was inclusion of information on South Florida's Water Conservation Area 2 (WCA-2) and associated maps. Chapter 2 also includes tables displaying populations within mandatory evacuation areas.
- Chapter 3 includes documentation and description of the planning process used for the update and identification of all participating stakeholders. Additionally, the description for the "Method and Schedule for Evaluation, Maintenance and Revision" was revised to reflect compliance with the Emergency Management Accreditation Program (EMAP) Standards.
- Chapter 4 includes a review and update of the Hazard Identification Risk Assessment (HIRA). Updates to the hazards profiles were accomplished using results from the Vulnerability Assessment Workshop conducted in June 2017. The updated profiles included tide and increased vulnerability from wind, flooding and storm surge from tropical cyclones and severe storms, and tornadoes. Additionally, hazardous materials incidents by type and historic frequency, sea level rise and climate change, pandemic/infectious disease, technological hazards with a specific assessment of cyber threats and terrorism profiles were updated. Extent has been added for each hazard under "Probability and Extent of Future Occurrences". All

associated maps, figures, asset inventory tables and maps were updated based on current data.

- Chapter 5 updates include the addition of an overview of the existing economic climate for the County as well as identification and description of major employers and economic areas. A GIS layer was created that identifies business at risk from significant flood, storm surge and wind events using GIS data and hazard analysis software. All associated maps, figures, and tables were updated based on current data.
- Chapter 6 reflects changes and updates to the "Mitigation Initiatives" based on numerous meetings and workshops held with the county departments and all 31 municipalities. Also included were new overall mitigation strategies, goals and objectives that were approved by the LMS Executive Committee. These updates are reflective of recent changes within the National Flood Insurance Program (NFIP), the Community Rating System (CRS) program as well as local comprehensive plans and polices.
- Chapter 7 updates include information on how the plan will be maintained, monitored, implemented, evaluated and updated based largely on the current national EMAP Standards. During the 2017 planning process, it was agreed upon and approved by the Executive Committee to use the annual required Florida Administrative Code 27P update to annually review and evaluate the plan and its associated initiatives and determine need for revision.
- All the appendices, except for Appendix L, were updated to include current information regarding mitigation projects lists, LMS Membership, Critical Facilities within evacuation and flood zones, hazard summary profile summaries, mitigation project prioritization, and new project submission. Additionally, Appendix J Housing Vulnerability was updated to include recommendations for coastal residential construction based on the current industry standards and analysis conducted by the Federal Emergency Management Agency (FEMA) over a period of years.

If you have any questions or need additional information, please let me know.

cc: Bertha Henry, County Administrator
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Alphonso Jefferson, Assistant County Administrator
Henry Sniezek, Director EP&GM Department
Lenny Vialpando, Deputy Director, EP&GM Department