

## MEMORANDUM

Agenda Item No. 11(A)(13)

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**TO:** Honorable Chairman Jean Monestime  
and Members, Board of County Commissioners

**DATE:** January 21, 2015

**FROM:** R. A. Cuevas, Jr.  
County Attorney

**SUBJECT:** Resolution directing the Mayor  
to prepare an action plan and  
report to accelerate the climate  
change adaptation planning  
process by evaluating the  
engineering and other relevant  
expertise needed to develop an  
enhanced capital plan

Resolution No. R-46-15

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**This item was amended at the December 11, 2014 Land Use & Development Committee to include a status report that shall be due within 90 days from the effective date of the Resolution.**

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor Commissioner Rebeca Sosa, and Co-Sponsors Commissioner Daniella Levine Cava and Commissioner Jose "Pepe" Diaz.



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R. A. Cuevas, Jr.  
County Attorney

RAC/smm



# MEMORANDUM

(Revised)

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and Members, Board of County Commissioners

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Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Ordinance creating a new board requires detailed County Mayor's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's \_\_\_\_\_, 3/5's \_\_\_\_\_, unanimous \_\_\_\_\_) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 11(A)(13)

1-21-15

RESOLUTION NO. R-46-15

RESOLUTION DIRECTING THE MAYOR OR MAYOR'S DESIGNEE TO PREPARE AN ACTION PLAN AND REPORT TO ACCELERATE THE CLIMATE CHANGE ADAPTATION PLANNING PROCESS BY EVALUATING THE ENGINEERING AND OTHER RELEVANT EXPERTISE NEEDED TO DEVELOP AN ENHANCED CAPITAL PLAN THAT INCLUDES BUT IS NOT LIMITED TO FLOOD PROTECTION, SALINITY STRUCTURES, PUMP STATIONS, AND ROAD AND BRIDGE DESIGNS, AND TO DETERMINE THE COSTS OF RETAINING THE EXPERTS NEEDED

**WHEREAS**, Florida is considered one of the most vulnerable areas in the country with respect to the consequences of climate change, with Southeast Florida on the frontline to experience the impacts of climate change, especially sea level rise, due to its low-lying topography, porous substrata, and extensive coastal infrastructure; and

**WHEREAS**, rising sea levels could limit the effectiveness of critical drainage infrastructure, endanger beaches and coastal natural resources, and increase incidents of saltwater intrusion on the Biscayne Aquifer and farmlands, thereby putting at risk the drinking water supply for the entire population of Southeast Florida; and

**WHEREAS**, Miami-Dade County has been in the forefront of these issues for many years and should give significant consideration to adaptation strategies designed to protect public infrastructure, property, water resources, natural areas and native species, and basic quality of life; and

**WHEREAS**, the Miami-Dade County Comprehensive Development Master Plan (hereinafter "the CDMP") was amended to address sea level rise and climate change, through

policies which call for the consideration of sea level rise and climate change as an integral component of all planning processes, including incorporation into public investment processes and decisions; and

**WHEREAS**, Miami-Dade County is a member of the Southeast Florida Regional Climate Compact, which is a groundbreaking collaboration of four counties - Monroe, Miami-Dade, Broward, and Palm Beach - working together as a region on climate change policy, mitigation and adaptation; and

**WHEREAS**, in 2012, through Resolution No. R-240-13, this Board accepted the Regional Climate Action Plan, with recommendations for regionally coordinated climate change mitigation, adaptation strategies, and efforts in building community resilience; and

**WHEREAS**, in July 2013, this Board created the Miami-Dade Sea Level Rise Task Force through the adoption of Resolution No. R-599-13 to review the relevant data and prior studies, assessments, reports, and evaluations of the potential impact of sea level rise on vital public services and facilities, real estate, water and other ecological resources, water front property, and infrastructure; and

**WHEREAS**, at the direction of this Board, on July 1, 2014, the Miami-Dade Sea Level Rise Task Force issued a report with their findings that included an assessment of the likely and potential impacts of sea level rise and storm surge over time and a set of six recommendations relative to amendments to the CDMP, capital facilities planning, budgetary priorities and other County programs as necessary to ensure that Miami-Dade County is taking appropriate actions to reduce its contributions to climate-induced sea level rise and to ensure its resiliency to the increase in sea level rise, storm surge and related impacts which are expected to occur; and

**WHEREAS**, the Miami-Dade Sea Level Rise Task Force made the overarching recommendation that this Board pass legislation to accelerate the adaptation planning process by seeking and formally selecting the engineering and other relevant expertise needed to develop a robust capital plan, vetting the elements including but not limited to flood protection, salinity structures, pump stations, and road and bridge designs, and to establish what measurable indicators will trigger timely sequencing as a critical next step,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board:

**Section 1.** Directs the Mayor or Mayor's designee to prepare an action plan and report to accomplish the acceleration of the climate change adaptation planning process by evaluating the engineering and other relevant expertise needed to conduct a comprehensive expert analysis and to develop an enhanced capital plan involving all levels of government to reinvent Miami-Dade County's urban infrastructure in a timely, sequenced manner that includes but is not limited to flood protection, salinity structures, pump stations, and road and bridge designs, and to determine the costs of retaining the expertise needed.

**Section 2.** Further directs that the Mayor or Mayor's designee shall provide >>a status report on the action plan and report identified in section 1 above to this Board within 90 days of the effective date of this resolution and shall place the status report on an agenda of the Board pursuant to Ordinance No. 14-65, and directs that the Mayor or Mayor's designee shall provide<<<sup>1</sup> the >>final<< action plan and >>final<< report identified in section 1 above to this Board within 180 days of the effective date of this resolution and shall place the completed report on an agenda of the Board pursuant to Ordinance No. 14-65.

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<sup>1</sup> Committee amendments are indicated as follows: Words stricken through and/or [[double bracketed]] are deleted, words underscored and/or >>double arrowed<< are added.

The Prime Sponsor of the foregoing resolution is Commissioner Rebeca Sosa, and the Co-Sponsors are Commissioner Daniella Levine Cava and Commissioner Jose "Pepe" Diaz. It was offered by Commissioner **Rebeca Sosa**, who moved its adoption. The motion was seconded by Commissioner **José "Pepe" Diaz** and upon being put to a vote, the vote was as follows:

	Jean Monestime, Chairman	<b>aye</b>
	Esteban L. Bovo, Jr., Vice Chairman	<b>aye</b>
Bruno A. Barreiro	<b>aye</b>	Daniella Levine Cava <b>aye</b>
Jose "Pepe" Diaz	<b>aye</b>	Audrey M. Edmonson <b>absent</b>
Sally A. Heyman	<b>absent</b>	Barbara J. Jordan <b>aye</b>
Dennis C. Moss	<b>aye</b>	Rebeca Sosa <b>aye</b>
Sen. Javier D. Souto	<b>aye</b>	Xavier L. Suarez <b>aye</b>
Juan C. Zapata	<b>aye</b>	

The Chairperson thereupon declared the resolution duly passed and adopted this 21<sup>st</sup> day of January, 2015. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this Resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

**Christopher Agrippa**

By: \_\_\_\_\_  
Deputy Clerk



Approved by County Attorney as  
to form and legal sufficiency.

Christopher A. Angell