OFFICIAL FILE COPY
CLERK OF THE BOARD
OF COUNTY COMMISSIONERS
MIAMI-DADE COUNTY, FLORIDA

MEMORANDUM

Agenda Item No. 11(A)(15)

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 work in conjunction with the Office of Intergovernmental Affairs and jointly with the South Florida Water Management District, the United States Geological Survey, and the other member counties of the Southeast Florida Regional Climate Change Compact partners, to conduct a comprehensive study and develop adaptation strategies to address potential flood damage reduction and saltwater intrusion associated with sea level rise
Resolution No. R-48-15

This item was amended at the December 11, 2014 Land Use & Development Committee to include quarterly status reports to commence from the effective date of the Resolution until the issuance of the final report.

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.

R. A. Cuevas, Jr.
County Attorney

RAC/smm

MEMORANDUM
(Revised)

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

DATE: January 21, 2015

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

SUBJECT: Agenda Item No. 11(A)(15)

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)(15)
1-21-15

RESOLUTION NO. R-48-15

RESOLUTION REQUESTING THAT THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT, THE UNITED STATES GEOLOGICAL SURVEY, AND THE SOUTHEAST FLORIDA REGIONAL CLIMATE CHANGE COMPACT PARTNERS WORK WITH MIAMI-DADE COUNTY ON ISSUES OF CLIMATE CHANGE AND SEA LEVEL RISE, AND DIRECTING THE MAYOR OR MAYOR'S DESIGNEE IN CONJUNCTION WITH THE OFFICE OF INTERGOVERNMENTAL AFFAIRS TO WORK JOINTLY WITH THESE ENTITIES TO CONDUCT A COMPREHENSIVE STUDY AND DEVELOP ADAPTATION STRATEGIES TO ADDRESS POTENTIAL FLOOD DAMAGE REDUCTION AND SALTWATER INTRUSION ASSOCIATED WITH SEA LEVEL RISE AND PUT FORTH A TIME FRAME FOR IMPLEMENTATION AND POTENTIAL FUNDING MECHANISMS

WHEREAS, Southeast Florida is considered one of the most vulnerable areas of the country to the consequences of sea level rise; and

WHEREAS, Miami-Dade County is composed of a large section of waterfront property and is a low-lying coastal community at the frontline to experience the impacts of sea level rise; and

WHEREAS, Miami-Dade County has various vital facilities and infrastructure that could be adversely affected by sea level rise; and

WHEREAS, climate scientists and other groups such as the Southeast Environmental Research Center and the National Oceanic and Atmospheric Administration's Costal Services Center have predicted the potential erosion of dry land and loss of waterfront property in Miami-Dade County as a result of sea level rise; and

WHEREAS, Miami-Dade County has been in the forefront of these issues for many years; 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, the Board of County Commissioners (hereinafter "the Board") had previously created the Miami-Dade Climate Change Advisory Task Force, established in July 2006 for a period of 5 years, through the adoption of Ordinance No. 06-113, which served as an advisory board to the Board on the issue of global warming climate change and was charged with identifying potential future climate change impacts to Miami-Dade County, while providing recommendations regarding mitigation and adaptation measures to respond to climate change; and

WHEREAS, the Miami-Dade Climate Change Advisory Task Force, sunset and dissolved in 2011, pursuant to Ordinance No. 06-113; and

WHEREAS, Miami-Dade County is a member of the Southeast Florida Regional Climate Change Compact; and

WHEREAS, in 2012 through Resolution No. R-240-13, the 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 of 2013, the Board created the Miami-Dade Sea Level Rise Task Force through the adoption of Resolution No. R-599-13; and

WHEREAS, the Miami-Dade Sea Level Rise Task Force reviewed 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, in May of 2014, the Board unanimously adopted Resolution No. R-451-14 setting policy for Miami-Dade County to require all County infrastructure projects to consider the potential impact of sea level rise during all project phases and calling for an evaluation of existing infrastructure in the face of sea level rise; and

WHEREAS, at the direction of the Board, the Miami-Dade Sea Level Rise Task Force issued a report with their findings on July 1, 2014, that included a comprehensive and realistic assessment of the likely and potential impacts to sea level rise and storm surge over time, to be used to help develop a set of 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 all 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 focused primarily on the next 50 years as their present planning horizon and relied heavily on the projections produced by the Southeast Florida Regional Climate Change Compact of 2 feet of sea level rise by 2060; and

WHEREAS, the Miami-Dade Sea Level Rise Task Force advised that for longer range planning up to 2100, at least 3 feet of sea level rise should be utilized; and

WHEREAS, the Miami-Dade Sea Level Rise Task Force advised that saltwater intrusion into the Biscayne Aquifer, the primary source of freshwater for Southeast Florida, is also a

considerable threat with sea level rise, and that steps must be taken to avoid or mitigate this potential impact; and

WHEREAS, the Miami-Dade Sea Level Rise Task Force set forth numerous recommendations in their report that, if followed, would aid this County in coping with the inevitable consequences of this measurable, tractable, and relentless reality of sea level rise; and

WHEREAS, after making their recommendations the Miami-Dade Sea Level Rise Task Force sunset and dissolved in July of 2014, pursuant to Resolution No. R-559-13; and

WHEREAS, the Miami-Dade Sea Level Rise Task Force made the recommendation that this Board adopt a policy to work jointly with the South Florida Water Management District and the Southeast Florida Regional Climate Change Compact partners to conduct a comprehensive study and develop adaptation strategies to address potential flood damage reduction and saltwater intrusion associated with sea level rise and put forth a time frame for implementation and potential funding mechanisms,

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 work in conjunction with the Office of Intergovernmental Affairs and jointly with the South Florida Water Management District, the United States Geological Survey, and the other member counties of the Southeast Florida Regional Climate Change Compact partners, to conduct a comprehensive study and develop adaptation strategies to address potential flood damage reduction and saltwater intrusion associated with sea level rise and to put forth a time frame for implementation and potential funding mechanisms.

Section 2. Requests that the South Florida Water Management District, the United States Geological Survey, and the other member counties of the Southeast Florida Regional Climate Change Compact partners work with Miami-Dade County on issues of climate change and sea level rise.

Section 3. Directs the Mayor or Mayor's designee prepare a report regarding the issues identified in Section 2 above, provide the report to this Board within 364 days of the effective date of this resolution and place the completed report on an agenda of the Board pursuant to Ordinance No. 14-65[[~~.~~]][1] >>and directs that, from the effective date of this resolution to the time the final report is issued, the Mayor or Mayor's designee shall prepare quarterly status reports regarding the issues identified in Section 2 above, provide the status reports to this Board on a quarterly basis and place the status reports on an agenda of the Board pursuant to Ordinance No. 14-65.<<

Section 4. Directs the Clerk of the Board to transmit certified copies of this resolution to the Executive Director of the South Florida Water Management District, the Acting Director of the United States Geological Survey and the representatives from each of the other three counties participating in the Southeast Florida Regional Climate Change Compact.

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:

---

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

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

The Chairperson thereupon declared the resolution duly passed and adopted this 21st 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

By: **Christopher Agrippa**
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

Christopher A. Angell