

MEMORANDUM

Agenda Item No. 11(A)(9)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: November 2, 2021

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Resolution directing the County Mayor to create a working group to develop an implementation plan for an Urban Air Mobility System in Miami-Dade County; directing the County Mayor to present a report on such plan to the Board of County Commissioners within 120 days pursuant to Ordinance No. 14-65

Resolution No. R-1058-21

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor Vice-Chairman Oliver G. Gilbert, III and Co-Sponsor Commissioner Danielle Cohen Higgins.



Geri Bonzon-Keenan
County Attorney

GBK/jp



MEMORANDUM

(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

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County Attorney

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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
- ☐ Statement of social equity 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 present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____ 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)(9)
11-2-21

RESOLUTION NO. _____ R-1058-21

RESOLUTION DIRECTING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO CREATE A WORKING GROUP TO DEVELOP AN IMPLEMENTATION PLAN FOR AN URBAN AIR MOBILITY SYSTEM IN MIAMI-DADE COUNTY; DIRECTING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO PRESENT A REPORT ON SUCH PLAN TO THE BOARD OF COUNTY COMMISSIONERS WITHIN 120 DAYS PURSUANT TO ORDINANCE NO. 14-65

WHEREAS, an Urban Air Mobility System (UAM) is an emerging concept in the development of transportation that refers to urban transportation systems that move people by air as a means to mitigate traffic congestion; and

WHEREAS, a UAM envisions a safe and efficient aviation transportation system that will use highly automated aircraft that will operate and transport passengers or cargo at lower altitudes within urban and suburban areas; and

WHEREAS, there are more than three hundred concepts for UAM aircraft that are being developed across the world, including electric vertical takeoff and landing (eVTOL) aircraft and hybrid aircraft, for intracity and intercity mobility with varying uses, ranges, speeds, passenger and cargo capacity; and

WHEREAS, these aircrafts are expected to come to market in the next several years provided that they have been certified by the Federal Aviation Administration and an ecosystem for their operation is in place when they become operational; and

WHEREAS, a UAM should be composed of an ecosystem that considers the evolution of aircraft, the framework for operation, access to airspace, infrastructure development, safety standards and community engagement; and

WHEREAS, information technology solutions, such as Urban Air Traffic Management, are critical and should be considered to ensure UAM operations seamlessly integrate into the ecosystem of other aircraft so that UAM operations scale safely with current Unmanned Aircraft Systems and Air Traffic Management; and

WHEREAS, a UAM may be beneficial to Miami-Dade County as it may significantly reduce traffic congestion, commute times, noise and energy consumption in urban and suburban areas; and

WHEREAS, it is in the best interest of Miami-Dade County to create a working group to develop an implementation plan for the UAM that can be utilized in the provision of emergency services, traffic monitoring and management, public safety, and passenger and cargo transport within the footprint of Miami-Dade County; and

WHEREAS, it is also in the best interest of Miami-Dade County to begin preparations now for UAM operations beginning in 2026 with an implementation plan that defines the goals and objectives that Miami-Dade County should work to achieve with a roadmap that defines short-term, medium-term and long-term priorities so that Miami-Dade County is fully prepared for UAM operations,

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

Section 1. The Board incorporates and approves the foregoing recitals as if fully set forth herein.

Section 2. The Board directs the County Mayor or County Mayor's designee to create a working group to develop an implementation plan for an Urban Air Mobility System that can be utilized in the provision of emergency services, traffic monitoring and management, public safety,

and passenger and cargo transport within the footprint of Miami-Dade County. Such working group should consist, at a minimum, of representation from the urban air mobility aircraft manufacturing industry, the aviation department, the seaport department, the transportation planning organization, the transportation and public works department, the transportation safety industry, helicopter operators, helicopter flight booking platforms or urban air mobility platforms, public or private utility companies and other representatives focused on the success of the UAM. The County Mayor or County Mayor's designee shall provide adequate staff and support services to the working group, subject to budgetary limitations.

Section 3. The Board further directs the County Mayor or County Mayor's designee to provide the implementation plan to this Board within 120 days of the effective date of this resolution and to place the completed implementation plan on an agenda of this Board pursuant to Ordinance No. 14-65. Such report shall, at a minimum: (i) identify all costs related to and legally available funding sources that can be utilized towards construction of UAM public infrastructure, including vertiports, service and training facilities, and other aspects of Urban Air Traffic Management; (ii) identify potential sites for placement of UAM public infrastructure; (iii) develop a proposed timeline for UAM public infrastructure development, construction and operations that includes short-term, mid-term and long-term priorities to prepare Miami-Dade County for UAM operations expecting to launch in 2026; (iv) set forth promotional and marketing strategies to encourage participation and partnerships on UAM related projects with Florida based transportation companies, with emphasis on those present in Miami-Dade County; (v) develop a framework for coordinating with neighboring counties and municipalities on UAM infrastructure connectivity that includes specific goals and objectives with metrics by which each area would be measured in order for Miami-Dade County to be considered ready to launch UAM operations; (vi)

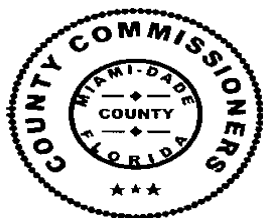
identify any legal, regulatory or operational impediments that may exist; (vii) outline necessary safety protocols, noise mitigation requirements or community standards that should be promulgated as it relates to UAM operations; (viii) consider the need to transition the working group into a County board to continue studying urban air mobility progress in accordance with section 2-11.38 of the Miami-Dade County Code; and (ix) provide recommendations for further action.

Section 4. The working group shall sunset and stand dissolved on the 365th date from the effective date of this resolution, unless the Board approves an ordinance extending the life of the working group.

The Prime Sponsor of the foregoing resolution is Vice-Chairman Oliver G. Gilbert, III and the Co-Sponsor is Commissioner Danielle Cohen Higgins. It was offered by Commissioner **Rebeca Sosa**, who moved its adoption. The motion was seconded by Commissioner **Danielle Cohen Higgins** and upon being put to a vote, the vote was as follows:

Jose “Pepe” Diaz, Chairman	aye		
Oliver G. Gilbert, III, Vice-Chairman	aye		
Sen. René García	aye	Keon Hardemon	aye
Sally A. Heyman	aye	Danielle Cohen Higgins	aye
Eileen Higgins	aye	Joe A. Martinez	aye
Kionne L. McGhee	aye	Jean Monestime	absent
Raquel A. Regalado	aye	Rebeca Sosa	aye
Sen. Javier D. Souto	aye		

The Chairperson thereupon declared this resolution duly passed and adopted this 2nd day of November, 2021. 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

Melissa Adames

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.

A handwritten signature in blue ink, appearing to be "CL", written over a horizontal line.

Cynji A. Lee