

MEMORANDUM

Agenda Item No. 11(A)(14)

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

DATE: December 1, 2021

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Resolution directing the County
Mayor to conduct a feasibility
study regarding the use of
stormwater-drain QR-code
technology, and to provide a
report

The accompanying resolution was prepared and placed on the agenda at the request of Prime Sponsor
Commissioner Rebeca Sosa.



Geri Bonzon-Keenan
County Attorney

GBK/uw



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)(14)
12-1-21

RESOLUTION NO. _____

RESOLUTION DIRECTING THE COUNTY MAYOR OR
COUNTY MAYOR'S DESIGNEE TO CONDUCT A
FEASIBILITY STUDY REGARDING THE USE OF
STORMWATER-DRAIN QR-CODE TECHNOLOGY, AND TO
PROVIDE A REPORT

WHEREAS, Miami-Dade County is committed to protecting the health of Biscayne Bay, which is a cornerstone of our environment, culture, and economy; and

WHEREAS, stormwater systems are one of the main potential sources of pollutant discharge into Biscayne Bay; and

WHEREAS, even leaves that make their way into stormwater systems can contribute to nutrient pollution such as phosphorus and nitrogen; and

WHEREAS, when used more effectively, stormwater systems could help prevent pollutant discharges; and

WHEREAS, a technology has been developed that allows community members to participate in ensuring that stormwater systems function effectively; and

WHEREAS, with this technology, stormwater filters would be installed at street level on street stormwater drains, and the drains would be marked with QR codes; and

WHEREAS, when someone sees that a stormwater filter is clogged with leaves or other debris or litter, that person can take a photograph of the clogged filter and, using the QR code, upload the photograph and other information, such as the types and quantities of debris and litter, online so that the County could collect data on the build-up of debris in stormwater drains; and

WHEREAS, this technology could be an effective way to respond better to issues with our stormwater drains, protect Biscayne Bay from pollution, gather more data about our stormwater system, and engage citizens in the important task of preserving and restoring Biscayne Bay; and

WHEREAS, to learn more about this technology’s potential for improving the health of the County environment, this Board wishes to direct the County Mayor or County Mayor’s designee to conduct a feasibility study regarding the use of this technology in Miami-Dade County,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board directs the County Mayor or County Mayor’s designee to conduct a feasibility study regarding the use of stormwater-drain QR-code technology in Miami-Dade County. The study shall address, at a minimum, the expected effectiveness and cost of implementing such technology in Miami-Dade County. The County Mayor or County Mayor’s designee shall present the findings of the feasibility study in a report. The County Mayor or County Mayor’s designee shall provide the report to this Board within 60 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.

The Prime Sponsor of the foregoing resolution is Commissioner Rebeca Sosa. It was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

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

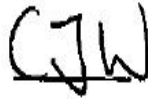
The Chairperson thereupon declared this resolution duly passed and adopted this 1st day of December, 2021. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override 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

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Christopher J. Wahl