

R9 AI DISCUSS/TAKE ACTION – UPDATE ON UTILIZATION OF DRONES TO ASSIST WITH POLICE ENFORCEMENT, 911 EMERGENCY CALLS AND TRAFFIC MANAGEMENT.

Applicable Area:



COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission
FROM: Mayor Steven Meiner
DATE: February 3, 2025
TITLE: DISCUSS/TAKE ACTION – UPDATE ON UTILIZATION OF DRONES TO ASSIST WITH POLICE ENFORCEMENT, 911 EMERGENCY CALLS AND TRAFFIC MANAGEMENT.

RECOMMENDATION

BACKGROUND/HISTORY

On July 20, 2022, I prepared a Commission Memorandum (attached hereto) in which I requested a referral to the Public Safety and Neighborhood and Quality of Life Committee (“PSNQLC”) to discuss the potential utilization of drones, possibly pursuant to a pilot program, for the purpose of police enforcement and providing first responders the capability of acquiring nearly immediate situational awareness, regarding 911 emergency calls for service anywhere in the City, within a few minutes irrespective of the incident location or traffic conditions.

The item was heard at the November 16, 2022 PSNQLC meeting and, at the time, the Police Department informed the Committee that it was advertising for available drone operator positions.

Accordingly, I would request that the City Administration be prepared to update the City Commission at our February 3, 2025 meeting as to the progress that has been made, not only with regard to the hiring of additional drone operators, but also with the availability and integration of drone technology into the Real-Time Crime Center, the Police Department’s overall drone law enforcement strategy and Traffic Management.

ANALYSIS

FISCAL IMPACT STATEMENT

N/A

Does this Ordinance require a Business Impact Estimate?
(FOR ORDINANCES ONLY)

If applicable, the Business Impact Estimate (BIE) was published on:
See BIE at: <https://www.miamibeachfl.gov/city-hall/city-clerk/meeting-notices/>

FINANCIAL INFORMATION

CONCLUSION

Applicable Area

Citywide

Is this a “Residents Right to Know” item, pursuant to City Code Section 2-17?

No

Is this item related to a G.O. Bond Project?

No

Was this Agenda Item initially requested by a lobbyist which, as defined in Code Sec. 2-481, includes a principal engaged in lobbying? No

If so, specify the name of lobbyist(s) and principal(s):

Department

Office of Mayor Steven Meiner

Sponsor(s)

Mayor Steven Meiner

Co-sponsor(s)

Condensed Title

Discuss/Action, Update on Utilization of Drones for Police Enforcement. (Meiner)

Previous Action (For City Clerk Use Only)

MIAMI BEACH

COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission
FROM: Commissioner Steven Meiner
DATE: July 20, 2022

SUBJECT: REFERRAL TO THE PUBLIC SAFETY AND NEIGHBORHOOD QUALITY OF LIFE COMMITTEE TO DISCUSS THE POTENTIAL UTILIZATION OF DRONES TO PROVIDE FIRST RESPONDERS WITH RAPID SITUATIONAL AWARENESS FOR 911 EMERGENCY CALLS.

ANALYSIS

Please place on the July 20, 2022 agenda a referral to the Public Safety and Neighborhood Quality of Life Committee to discuss the potential utilization of drones, possibly pursuant to a pilot program, for the purpose of providing first responders the capability of acquiring nearly immediate situational awareness, with regard to 911 emergency calls for service anywhere in the City, within a few minutes irrespective of the location or traffic conditions.

Based on recent news reports, Coral Gables became the first police department in the U.S. to deploy drones in certain emergency situations in response to a 911 call. Drone cameras can capture real time video of a crime in progress to assist responding police officers or a burning building to assist firefighters. The ability for first responders to see real time during an emergency can potentially save lives or prevent injury to civilians and first responders. Drones can be cheaper, quicker, and more efficient than helicopters.

As part of the referral, I request that the City Administration and City Attorney's Office be prepared at Committee to address the merits and viability of this initiative, along with any issues or concerns.

If you have any questions about this item, please contact my legislative aide Robert Novo III at RobertNovo@miamibeachfl.gov

SUPPORTING SURVEY DATA

N/A

FINANCIAL INFORMATION

N/A

Is this a "Residents Right

Does this item utilize G.O.

**to Know" item, pursuant to
City Code Section 2-14?**

Yes

Bond Funds?

No

Legislative Tracking

Commissioner Steven Meiner

ATTACHMENTS:

Description

- ▣ New Drones Aid First Responders



CORAL GABLES

New Drones Aid First Responders in Coral Gables; First of Their Kind in the US

When complete darkness came, it didn't matter. The drones' infrared heat-seeking technology allowed commanders to see like it was high noon.

By **Willard Shepard** • Published July 8, 2022 • Updated on July 9, 2022 at 9:35 am



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Pretrial Hearing for Parkland Shooter ...



EYES IN THE SKY

NBC6

6:14

89°



NBC 6's Willard Shepard reports on the coral gables police department using drones to respond to 911 calls

It's a cutting-edge new way to stop crime: drones in the sky sending images and life-saving information back to first responders.

On July 4 in Coral Gables, images from such drones showed what it looked like from above when about 40,000 people came to see the fireworks show in front of the Biltmore Hotel.

NBC 6 exclusively obtained the video from the Coral Gables Police Department taken by their new drone out on its first real-world mission.

"We were able to check the entire perimeter of it. Make sure everything was secure," said Police Chief Ed Hudak Junior who was well aware of the gunman in Illinois who ultimately killed 7 people from a rooftop earlier that same day.

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When complete darkness came, it didn't matter. The drones' infrared heat-seeking technology allowed commanders to see like it was high noon.

"The ability for us to look at the perimeter with infrared cameras to see if anyone was lying in wait or anything like that was immense for us," Hudak told NBC 6.

Now the Gables is moving to do something NBC 6 was told no police agency in the country has tried. They'll be sending the drones out to locations ahead of police when the call comes to 911.

Local



20 HOURS AGO

Rolling Loud is Returning to Miami; Here's What You Need to Know



42 MINS AGO

BSO Searching for Homicide Suspect After Chase, Bailout in Davie

A data link will allow officers to see images and dispatchers will also be able to tell arriving officers what to expect when there's an active shooter or suspicious person.

"If we can see where that person is going when we get there that minimizes the time it takes to engage that individual and to save lives," Hudak said.



The drones are being flown by a private company in a pilot program called Bond's Air Guardian. Both Hudak and Doron Kempel, the CEO of the company, say that the drones will not be used in any way that would encroach upon a person's 4th Amendment Right to not have an illegal search and seizure.

"We're not running patrols. We are not running any surveillance. If we know that a human is in need, we'll fly the drone as soon as possible, as fast as possible, as safely as possible, and give the authorities a good image of the situation," said Kempel. "There is no secondary mission."

The drone cameras can also virtually see inside a burning building. The images will tell firefighters what's going on before they arrive — critical information to save civilian lives and keep first responders safe too, whether they're dealing with a blaze or a gunman.

Chief Hudak says after Kempel approached him they started brainstorming to come up with a way to make effective use of the drones and data link platforms every day — not just during a special event.

"We know what our officers are expected to do in South Florida," Hudak said. "If it's an active shooter with the tragedy that we learned at Stoneman Douglas, we know where we are going to go. If we can see where that person is going when we get there, that minimizes the time it takes to engage that individual and to save lives."

If you live in the Gables and you're asking how much all this is going to cost, for now, the answer is just 10 bucks as the pilot program goes forward and gets evaluated.

Chief Hudak says there are times when they will still need to ask Miami Dade Police to launch its helicopter but that would be something that could affect the county and other cities around the Gables.

Hudak is planning to have it all up and running by the end of July.

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