



COMMISSION MEMORANDUM

TO: Mayor Dan Gelber and Members of the City Commission

FROM: Jimmy L. Morales, City Manager

DATE: October 16, 2019

SUBJECT: MEETING OF THE SUSTAINABILITY AND RESILIENCY COMMITTEE (SRC)
ON WEDNESDAY, SEPTEMBER 25, 2019

A meeting of the Sustainability and Resiliency Committee was held on Wednesday, September 25, 2019 in the City Hall Commission Chamber. Commissioners in attendance: Commissioner Mark Samuelian, Commissioner John Elizabeth Aleman, and Commissioner Joy Malakoff. Members of the administration and the public were also in attendance.

Commissioner Samuelian recommended expanding the Sustainability and Resiliency Committee meetings from two hours to three hours beginning October 23, 2019. Commissioner Aleman agreed to the new time frame.

1. REVIEW OF RESILIENCE STRATEGY WORKPLAN - PLANNED AND IN PROGRESS RESILIENCY PROJECTS

Susanne Torriente, Assistant City Manager, presented an update on the City of Miami Beach's partnership with 100RC. Ms. Torriente, Jim Murley, Chief Resiliency Officer for Miami-Dade County, and Jane Gilbert, Chief Resiliency Officer for City of Miami, will be hosting the state CRO on October 1, 2019 while she tours the cities, meets with members of academia, and business chambers.

Ms. Torriente stated the creation of design guidelines for historic preservation in the face of sea-level rise report is almost complete and are in the process of scheduling the Schulman Group to present at the October Historical Preservation Board in October.

Amy Knowles, Deputy Resilience Officer, stated the business case analysis of the stormwater program is half way completed. This business case analysis will serve as a tool to understand and communicate the value of public infrastructure improvements, stormwater, and the private property perspective. Staff is combining risk, stormwater, and economic modeling to create a unique formula that will allow staff to understand the relationship between the city's vulnerabilities to flooding and sea-level rise and how the city's investments help to reduce that risk. The risk modeling has shown sea-level rise leading to storm surge flood depth increase, a larger geographical footprint effecting more structures, and a larger number of events. The stormwater modeling results have shown that the infrastructure is assisting in reducing flooding, and individual homeowners now will be making less of an investment into their own homes compared to if the city made no investments in infrastructure. The economic modeling has shown that homebuyers do perceive homes at higher elevations to be less exposed to flooding and they are responding by purchasing these homes. This model has also shown that home prices have increased by 8.6-

11.5% for each one-foot increase on average parcel elevation and increased by 4.9-14.1% in areas with one-foot increase in higher elevation roadways. The economic model was applied to the Sunset Harbour neighborhood and concluded different units within the area have increased by 41 million dollars or 12% post-construction specifically due to the improvement projects. Staff also looked at tidal gauge results and the tide levels would have resulted in flooding approximately 44 times when comparing the lowest elevation of the road construction with a minimum of elevation of the tides. The next steps will involve looking at the individual adaptation actions in one southern neighborhood of the city, specifically actions homeowners can take to protect their property and the benefits they will receive. Lastly, staff will have a citywide view of the benefits and costs of the stormwater investments considering direct and indirect effects. The next steps are estimated to be completed by early 2020. Staff will be having a workshop or meeting to discuss the findings and application of the business case analysis of the stormwater program in the future.

Laurens van der Tak, Jacobs Engineering Climate Adaptation Advisory Panel, provided an updated on the blue-green concept plan that was presented at the September 17, 2019 public meeting. Jacobs Engineering received the most questions from the public on who will maintain blue-green stormwater infrastructure (BGSi), how will the city incentivize BGSi implementation on private property, and how will BGSi function with high groundwater as sea level rises. At the public meeting, Jacobs Engineering had renderings for different types of contexts and boards where residents provided feedback on items they are excited for and items they are concerned for.

Commissioner Aleman asked what is being done with the feedback provided at the public meeting and if there is a way to make the boards available to the public so they can reach a greater population and obtain more feedback on the concept plans.

Ms. Torriente clarified that the neighborhood design options provided will be used to finalize the concept plan for approval by the city commission.

Roy Coley, Public Works Director, stated their viewpoint was to have the public provide feedback on what aspects of Jacobs concept plans they most and least supported. Mr. Coley stated that the reason for the feedback boards was to make sure Jacobs did not overlook anything, get public input, and confirm everything has been considered.

Commissioner Malakoff agreed with Commissioner Aleman's statement that the feedback boards do not accurately represent the residents' opinion as too few residents attended the public meeting. She stated she supported the retrofit concept plan for the golf course because of the addition of water retention and other things around the perimeter, but she did not support reducing the golf course to a 9-hole golf course.

Commissioner Samuelian requested that no definitive decisions are to be made based on the feedback boards from the September 17, 2019 public meeting.

ACTION: Commissioner Samuelian requested for additional public outreach to be made regarding Jacobs Engineering concept plans.

Andy Potts, Jacobs Engineering Blue-green Infrastructure Task Lead, summarized the concept plan that will be presented at the October 16, 2019 Commission meeting.

Bob Kunst, Lake View resident, addressed the committee regarding his concerns with Jacobs Engineering's concept plan.

Commissioner Samuelian reiterated to Mr. Kunst that the Jacobs Engineering is presenting a conceptual plan, is one of three work orders, and the purpose of having them at the committee is to check if they are on the right track. He agreed with Mr. Kunst that more public input is needed and community engagement will continue.

Commissioner Aleman stated untreated stormwater from every municipality and unincorporated areas in Miami-Dade County goes into Biscayne Bay. Ms. Torriente confirmed that Biscayne Bay is the receiving end of all Miami-Dade County stormwater. Eric Carpenter, Assistant City Manager, commented on the issue of untreated stormwater. He stated that City of Miami Beach's stormwater is being treated by a 4-step treatment process before it is discharged into Biscayne Bay.

Commissioner Aleman requested from Jacobs Engineering a few examples of techniques that were eliminated because they were not fitting for the city. Mr. Potts gave the example of an exfiltration trench, which is very common in South Florida, however, it is becoming less effective due to rising sea level, rising groundwater, and water quality improvement is not as high as other techniques.

Commissioner Aleman asked how much space the residential neighborhoods generally have for percolation. Mr. Potts stated that although it varies, the east side of the city may have 4-5 feet, and the west side of the city has about a foot or less of space. Mr. van der Tak explained that another alternative is to have an underdrain connected to existing storm drain pipe and it will be considered.

Commissioner Aleman stated that she would like to be reassured that everyone is aware of the technicality of the concept plans and the city needs to understand the holding capacity of the techniques based on the future elevation of when the projects are implemented. She also stated that the city then needs to study the environmental impact of the techniques and receive approval from Miami-Dade County Department of Environmental Resources Management (DERM).

Commissioner Samuelian requested an endorsement from the committee for the concept plan to be taken to the October 16, 2019 Commission meeting. Commissioner Aleman and Commissioner Malakoff approved.

MOTION: Staff to take the Jacobs Engineering concept plan to the October 16, 2019 Commission meeting. By acclamation.

Pierre De Agostini, Palm, Hibiscus, Star Island Homeowner Association President, addressed the committee to express his concerns and frustrations with the delays in the roadway and underground project on the islands. He also expressed frustrations for the lack of harmonization between the older homes and the raised roads on the islands. He also pointed out that the post office has failed to deliver on the one-way road because the vehicles' design makes them incapable of delivering to the opposite side of the road. Commissioner Samuelian stated the signage on the one-way road needs to be reevaluated because it currently is not clear that it is a one-way road. He also stated that Elias Gonzalez, Commission Aide, has contacted Congresswoman Donna Shalala, Senator Marco Rubio, and Senator Rick Scott regarding the lack of mail delivery on the one-way street. As of September 25, 2019, the office of Senator Scott

has been in touch with Commissioner Samuelian and they have specifically given Commissioner Samuelian commitment that they will engage with the post office.

David Martinez, Capital Improvement Projects Director, stated that the signage package was designed by a registered engineer and permitted through Miami-Dade County and there is a delicate balance of having too much or too little signage because it could lead to confusion. He stated staff will continue to communicate with the Transportation Department in getting their feedback. Mr. Martinez confirmed several "do not enter" signs have been added on the left turn onto Hibiscus Road and staff are determining what the best strategy is to solve the confusion.

Mr. Martinez updated the committee on the pending resiliency projects. He stated generators have been added to the Hibiscus Island project and within the next 3 months they will be installed. Mr. Martinez added that there was discrepancies and miscommunication between the city and the residents of Hibiscus Island in terms of the location, but they are moving forward with clearer communication between the two. Mr. Martinez stated that the General Obligation (G.O) Bond Project landscaping mitigation dollars were extracted and combined with a landscaping dollar to provide the best services. Capital Improvement Projects (CIP) is attempting to bring in an award for contract in October.

Commissioner Samuelian asked what the timeframe is for the landscaping project. Mr. Martinez stated that the contractor will start to work on the project in approximately 60 days if they can award the contract next month and approximately four more months or more, depending on the irrigation, to complete the project.

Mr. De Agostini asked if there was a deadline for the roadway project. Mr. Martinez stated the east side of Palm and Hibiscus Island have no issues on how harmonization will occur, except for a few properties on Hibiscus Island. Due to the lower elevation of the west side of both islands, there have been issues that have arisen. There are 13-14 properties on Hibiscus Island that do not qualify for private property drains harmonization. Staff has been meeting with those property owners to provide input on what is going to be done on their property. Regarding Palm Island, there is an estimate of 60-70 properties that will need private property work done. Commissioner Aleman asked if DERM has approved the residential tie-in on Hibiscus and Palm Island. Mr. Martinez responded that DERM has not provided approval yet. Mr. De Agostini asked what can be done to expedite the process on private property. Mr. Martinez stated from the perspective of the contractors and design builder, they are actively preparing all the drawings for the private properties so they can meet with the owners and agree on a design. At the same time, staff is providing that same information to DERM for them to provide feedback on how they will be doing the work. Commissioner Aleman asked what the escalation procedure is for DERM. Ms. Torriente stated city staff has monthly meetings with DERM, her, and Mr. Carpenter are scheduling a tour of the project site with the director of DERM. Ms. Torriente stated the city needs to compile the paper work and get the residents to sign that they agree to have their properties tied in with the system to reassure DERM that residents are aware of steps they need to take on private property to protect Biscayne Bay.

Mr. De Agostini asked if there was a way to finalize the deadline on the harmonization of the roadway and underground project. Mr. Martinez stated that everything is predicated on DERM allowing staff to complete the work that needs to be done and if DERM approves in a timely manner, the project will be completed by approximately Spring 2020, contingent on DERM's approval. Commissioner Aleman stated the city relies heavily on DERM approvals for resiliency

projects and this may warrant for a strategic conversation between the city and Miami-Dade County's upper management to discuss the capacity of DERM, the operating level agreement between the city and county in terms of turnaround time for projects, and potentially fund additional staff at DERM to receive approval in a timely manner.

ACTION: CIP to provide update on the resiliency projects at Palm, Hibiscus, and Star Island at the October 23, 2019 Sustainability and Resiliency Committee meeting.

Commissioner Aleman stated she wanted to reassure other residents future improvement projects will not have the same delays as the Palm and Hibiscus Island improvement project because all the proper permits and approvals will be obtained before the projects begin and what is being done on the islands is an unusual case.

2. SUSTAINABILITY COMMITTEE UPDATE

Dave Doelber, Sustainability Committee Chair, presented this item. He stated an email was sent to the city with the results and ideas from the plastic reduction workshop. He requested the committee to start considering additional ideas including a leave no trace campaign on the beach, provide more access to free water stations citywide, and expanding the pole mounted ash cans throughout the city.

ACTION: Continued to October 23, 2019 Sustainability and Resiliency Committee meeting.

3. DISCUSS THE CITY'S PLAN TO ADDRESS FLOODING AS A RESULT OF EXTREME RAIN EVENTS AS WELL AS ANY LESSONS LEARNED

Amy Knowles, Deputy Resiliency Officer, and Nelson Perez-Jacome, City Engineer, presented this item. Mr. Perez-Jacome stated that a 10-year storm has a 10% chance of occurring at any given year, a 5-year storm has a 20% chance, and 25-year storm has a 4% chance. He stated essentially storms can occur more frequently than their return period suggests. Climate change appears to amplify the effects of extreme weather and there is no clear consensus from the scientific community what the extent of that increase is, but these extreme rain events will occur more frequently than their return period suggests overtime. There was a peak intensity of 1.73 inches of rainfall in a half hour period, which is similar to a 25-year storm event, during the extreme rain event in question. The stormwater management system functioned as expected and the peak intensity of the event did exceed its capacity, after which staff saw the system's capacity quickly catch up, stormwater receded, and there was not localized ponding. The stormwater management systems are designed to mitigate risk and not to eliminate it completely and it would not be feasible to design for the most extreme rain events and even so, there will always be a more extreme event.

Mr. Perez-Jacome and Ms. Knowles presented the after-action review of the May 16, 2019 rain event. Mr. Perez-Jacome stated that flooding occurred in areas that have not received stormwater improvements or where those improvements have not been completed and low-elevation properties. Cityworks and eGov recorded 27 unique flood/standing water requests. The Public Works Department deployed operations to check pumps, removed standing water from flooded areas, took photos and communicated with businesses. Temporary pumps were only deployed in Indian Creek Drive and Hibiscus Island and a small city owned pump was used to remove the water from the Blue Building and I95 Exotic Car Rental. Ms. Knowles stated that

the city needs additional data such as damage to public infrastructure, extent and depth of flood roadways, how long business were closed for, and better data on response from staff. Ms. Knowles presented recommendations for future rain events, which includes creating a GIS map of planned, completed and in-progress stormwater projects and discuss changes to city code that may require higher elevation and/or a commercial property owner and tenant affidavit that the property is vulnerable to flooding. She presented six main opportunity improvements specific to staff: people, systems, follow through, process, routines, and training.

Commissioner Samuelian recommended additional information on how to bring awareness of flooding to private property so that they can avoid flooding in future extreme rain events, as requested by Commissioner Samuelian.

ACTION: No further action taken.

4. DISCUSSION PERTAINING TO AMENDMENTS TO THE CITY CODE REGARDING POTENTIAL REQUIREMENTS FOR HIGHER ELEVATION FOR NEW COMMERCIAL CONSTRUCTION THAT IS VULNERABLE TO FLOODING

Elizabeth Wheaton, Environment and Sustainability Director, informed the Committee that Commissioner Ricky Arriola will be a co-sponsor to this item beginning October.

Commissioner Aleman stated City Manager, Jimmy Morales, sent an email to the commission regarding the lack of installation of flood panels throughout the city during the last hurricane. Although commercial properties are legally obligated to purchase flood panels if they want to build at grade level, they are not following suite with installing them. The lack of flood panels can lead to water intrusion and damage. Commissioner Aleman stated generally commercial landlords do not want to build a higher finished floor than grade even if they know it is going to flood because they have a perception that it will impair retail activity. Commissioner Aleman is recommending starting a conversation of having commercial properties legally build finished floor at a higher elevation if they are not going to install the flood panels.

Commissioner Aleman asked if the renter or building owner insurance is responsible for flood damage. Ms. Knowles stated the renter is responsible for maintaining their own insurance policy for the contents within the building and the build owner is responsible for maintain their own insurance policy to cover structural damage.

Thomas Mooney, Planning Director, reported that him and his staff went to the American Planning Association National Conference in Atlanta, Georgia in 2014 and attended a session hosted by representatives of the New York City Planning Department about the challenges of Hurricane Sandy and the challenges of elevating existing and new commercial construction. One challenge New York City faced was having commercial property owners wanting to be at the same elevation as their neighbors. Another big challenge they faced is accessibility and access since space is lost when raising the inside floors to build a ramp. This kind of technique has been successfully accommodated in larger sites. The smaller buildings face challenges if they elevate their first floor because they are opening themselves to future vulnerabilities. A few years ago, this issue was addressed at the previous mayor's Blue-Ribbon Panel at Sea-Level Rise and the minimum elevation was raised to base flood elevation (BFE) plus one for all new residential construction projects. However, for commercial projects, the panel concluded it was better to allow people to continue to be able to build at sidewalk level as permitted under the building code. The code was amended and now requires much higher first floor ceiling height to accommodate future raising

of the first floor. Mr. Mooney suggests for administration to look at and bring back different options such as requiring a higher knee wall, which can incorporate a flood panel within it.

ACTION: Planning Department staff to assess and present different options on how to build resiliency into commercial properties at the November 27, 2019 Sustainability and Resiliency Committee meeting. By acclamation.

5. DISCUSSION REGARDING PRIVATE SEAWALLS

John Woodruff, Chief Financial Officer, presented this item. At the last July Sustainability and Resiliency Committee meeting, staff was directed to work with the finance and banking sectors to explore any innovative or economic packages to help incentivize owners to invest in their properties and proceed with purchasing the drone LIDAR equipment to conduct citywide survey of seawalls. Staff has issued an invitation of industry review meetings and will be working with one out of the four banks to see what they can offer. The drone LIDAR equipment has been procured, testing will be conducted within the next several weeks, training to occur in early October, and assessment to be held in late October/early November, which will take approximately 3-4 months to complete. A one-page guidance document was created for residents that includes information for various steps and recommendations on upgrading seawalls. Mr. Woodruff presented draft legislative document from Broward County Climate Council regarding resiliency standards for tidal flood protection including the overtopping of flood barriers as a mixed failure to properly maintain flood mitigation infrastructure a citable offense with requirements for correction. As staff is working on a citywide seawall assessment and identified hotspots, they will be able to bring proposed legislation to the committee.

Commissioner Aleman read an update from Commissioner Higgins, Miami-Dade County District 5. Commissioner Higgins noted that state Representative Holly Raschein is filing legislation regarding the addition of seawall repairs and replacement into the PACE program at the Florida legislature. The lobbyists are working on getting a Democratic representative as a co-sponsor and she will be providing updates with more information as it comes.

ACTION: Staff to bring proposed legislation on private seawalls, segmenting the current overtopping problems and holistically where standards need to be in the future to the October 23, 2019 committee meeting. By acclamation.

ACTION: Staff to work on obtaining feedback from the community on what the city could be doing to better enable private property adaptation, as requested by Commissioner Samuelian.

6. DISCUSS THE USE OF PESTICIDES, HERBICIDES, AND FERTILIZERS ON BOTH PUBLIC AND PRIVATE PROPERTIES

Margarita Kruffy, Environment and Sustainability Assistant Director, presented this item. Ms. Kruffy stated this item has been on the agenda since February 2019 and the committee has been presented with information from the Grand Jury report and bi-weekly meetings staff has had with the Biscayne Bay Task Force on how nutrients are having a big impact on Biscayne Bay. The draft fertilizer ordinance was presented to the committee that has been modeled after the Florida Department of Environmental Protection's (FDEP) recommendations. Ms. Kruffy highlighted several requirements established by the ordinance: there will be a no fertilizer time period citywide between June-September, with the exception of golf courses, there are restrictions on the times of fertilizers used, focusing on using slow release fertilizers as they

have less of an impact on water quality, and there will be no fertilizers buffer zones on waterways and other areas that they will easily runoff into adjacent water bodies.

Commissioner Aleman expressed approval with the new ordinance. Commissioner Aleman stated city staff needs to be mindful of the impact the new ordinance will have on residents' landscaping.

ACTION: Communications Department to work with the Environment and Sustainability Department to develop a flyer in multiple languages targeting landscapers on how to conform what the new rules regarding use of pesticides, herbicides, and fertilizers, as requested by Commissioner Aleman. Commissioner Malakoff requested targeting homeowners, as well.

Dave Doelber, Sustainability Committee Chair, stated there should be no significant risk to landscaping during the no fertilizer period. Mr. Doeblner provided a recommendation of educating retail stores about the new requirements of the ordinance.

MOTION: Staff to move forward with taking the item to commission for 1st reading. By acclamation.

7. UPDATE ON THE PUMP STATION PLUMES ON WEST AVENUE

ACTION: Item deferred.

8. DISCUSSION ON EXPANDING THE PLASTIC BAG ORDINANCE IN MIAMI BEACH

Nicholas Kallergis, First Assistant City Attorney, presented this item. He stated that this item is tied to Item 9 "Discuss Implementing a Total Ban on Single-Use Plastics on Miami Beach pending the Florida Retail Federation's Litigation Against the City of Coral Gables". He stated the Third District Court of Appeal reversed the trial court decision in favor of City of Coral Gables and upheld the three state statutes that preempt local governments as to single-use plastics as constitutional. He emphasized that the city's existing legislation on polystyrene, single-use straws and stirrers, and plastic bags on sidewalk cafes remain in place, however, the city cannot move forward with the expansion of the plastic bag regulations. The City Attorney's Office has been asked by the commission to file an amicus curiae brief in the Coral Gables appeal to the state's Supreme Court. It is unsure if the Florida Supreme Court will evoke its jurisdiction. If the Florida Supreme Court does take on the appeal, the City Attorney's Office will advise the commission and the city will be participating as an amicus.

MOTION: Item concluded. By acclamation.

9. DISCUSS IMPLEMENTING A TOTAL BAN ON SINGLE-USE PLASTICS ON MIAMI BEACH PENDING THE FLORIDA RETAIL FEDERATION'S LITIGATION AGAINST THE CITY OF CORAL GABLES

MOTION: Item concluded. By acclamation.

10. DISCUSS TERMINIATING THE CITY'S CONTRACT WITH COCA-COLA

Tonya Daniels, Communications Director, presented this item. Ms. Daniels invited the representatives from Coca-Cola to a meeting with Jimmy Morales, City Manager, and Marcia Monserrat, Chief of Staff, and herself regarding the initiatives the city is taking to become more plastic free and their processes with the city. Staff did urge Coca-Cola representatives to

consider looking at where they have plastics in the city and switching to cans in locations that are on the beach amongst other options. The representatives reported to city staff that it would be approximately one year before aluminum Dasani water cans are seen at the city, but it could be a possibility on switching out of plastic containers. The representatives also offered to broaden their conservation with their experts regarding plastics, recycling, and any other thing they can partner with the city on. Ms. Daniels requested to look into the vending machines that have plastic bottles in them and possibly switch those to aluminum, and if so, how would this impact the contract with them. She asked the representatives to send a recap of what they have done as far as a company and any future plans. She has not received a response from Coca-Cola since the meeting.

Dave Doelber, Sustainability Committee Chair, reported the Sustainability Committee ran a plastics reduction workshop to identify opportunities to reduce single-use plastics. Coca-Cola products represent #2, #4, and #6 of the most collected items on beach and right away clean ups. The Sustainability Committee did not conclude that the Coca-Cola contract should be eliminated. Instead, they focused on utilizing the Coca-Cola contract as leverage to not only improve the city's situation, but also to help them push along their own sustainability goals. The Sustainability Committee provided 6 ideas the city can do with Coca-Cola in place of terminating the contract, 3 of which were Coca-Cola's own sustainability mission. These ideas include adding aluminum products only to the contract, requiring plastic bottles to be made of a certain percentage of recyclable content, helping to collect a certain percentage of primary packaging, requiring the lid to be permanently tethered to the bottle, having the label printed directly on the bottle, and having Coca-Cola publicly support a bottle deposit program in the state of Florida.

Ms. Daniels stated the price list on the contract contains prices for cans, plastic, glass, and other different materials. She stated the city's partner is the local franchisee and are the local bottler and cannot hold them to the same abilities as the Coca-Cola corporation.

Commissioner Malakoff asked if the city can discuss with Coca-Cola what contents they have in their cans and bottles. Ms. Daniels stated Coca-Cola made an initiative to remove any high sugar count beverages from all schools and the only soda available is diet soda.

ACTION: Staff to provide 6 ideas developed by the Sustainability Committee to Communications Department to be put on the table for discussion, as requested by Commissioner Samuelian.

ACTION: Communications Department to provide an update at the October Sustainability and Resiliency Committee meeting.

11. DISCUSS THE STATUS AND IMPLICATIONS OF THE ACTION ITEMS ASSOCIATED WITH ONGOING WATER QUALITY COORDINATION WITH MIAMI-DADE COUNTY

Margarita Kruffy, Environment and Sustainability Assistant Director, presented this item. Ms. Kruffy stated staff has been meeting with DERM leadership on a regular basis to discuss issues at a staff level and at a higher level due to some issues that require more input. On September 9, staff presented to the Biscayne Bay Task Force several big picture recommendations based on the city's lessons learned that they feel should go from the Task Force to the county commissioners. These eight recommendations include leveraging work across the region, creating a new governance structure, capitalizing on municipal resources, be

consistent, upgrading minimum criteria, modernizing Chapter 24, expanding Plastic Free MB to Plastic Free 305, and maximizing impact.

Commissioner Aleman asked if there is anything the commission can help with pushing the recommendations forward. Ms. Kruyff stated that commission support on specific issues is needed from a regional perspective. Staff will be having big picture meetings with DERM leadership and support may require commission support based on the outcome of those meetings. Ms. Kruyff recommended keeping the committee updated on how those discussions are progressing and staff will approach the commission when support is needed.

Commissioner Samuelian asked for an update on the 24 action items. Ms. Kruyff stated 13 items have been completed, 8 in progress, and 3 that have not been started, 1 of which is a DERM item. 1 item that has not been completed was due to a miscommunication with DERM. Staff has not met with DERM since April regarding the big picture water quality, so once staff meets with DERM again, they are hoping to get the other items started.

Commissioner Malakoff asked if the city hired a grease inspector, as it was discussed a couple of years ago. Ms. Kruyff stated the city has had a grease inspector, under the city's Building official, since the commission approved of the position, however it has been a challenge to go into different establishments and obtain maintenance receipts and permits. Recently, the city hosted a grease roundtable with the city's food establishments and the grease inspector was part of the leadership that created the roundtable. The challenges that the grease inspector faces are not being able to issue violations under Chapter 24 because she is city staff. The city is pushing for city staff to be deputized by DERM in order to assist with enforcement because the current procedure is to have her call the county if she finds a violation and have DERM issue the violation.

ACTION: Staff to bring back the final closure based on the meetings with DERM at the November 27, 2019 Sustainability and Resiliency Committee meeting, as requested by Commissioner Samuelian.

12. DISCUSSION ON REPURPOSING OUR GOLF COURSES FOR THE FUTURE

ACTION: Item Deferred.

13. DISCUSSION REFERRING A TASK TO THE CITY MANAGER'S READY TEAM IN ORDER TO BOTH OPTIMIZE PUBLIC ENGAGEMENT AND FACILITATE TIMELY COMPLETION OF PROJECTS

ACTION: Item Deferred.

14. DISCUSSION REGARDING EXPLORING THE CITY OF MIAMI BEACH JOINING THE AMERICAN FLOOD COALITION

ACTION: Item withdrawn by Commissioner Samuelian.

15. DISCUSSION TO REVIEW THE PALM HIBISCUS ROAD ELEVATION EXPERIENCE

ACTION: Item Deferred.

16. DISCUSSION ON CITY OF MIAMI BEACH STORMWATER, SANITARY SEWER, AND WATER INFRASTRUCTURE BEST MANAGEMENT PRACTICES

ACTION: Item Deferred

17. DISCUSSION REGARDING HOW GREEN INFRASTRUCTURE INCLUDING LIVING OR HYBRID SHORELINES CAN COMPLEMENT GREY INFRASTRUCTURE IN OUR CLIMATE ADAPTION ON-GOING WORK

ACTION: Item Deferred

18. DISCUSSION ON ARTIFICIAL REEFS

ACTION: Item Deferred.

19. DISCUSS HAVING THE CITY PURSUE MITIGATION PROJECT FUNDING FROM THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT

ACTION: Item Deferred.

20. DISCUSS THE MOTION MADE BY THE SUSTAINABILITY COMMITTEE TO MAKE THE REDUCTION OF CO2 EMISSIONS A PRIMARY FOCUS ON THE FLEET ASSESSMENT

ACTION: Item Deferred.

21. DISCUSSION ON THE CITY PARTNERING WITH FPL EVOLUTION PROGRAM TO EXPAND EV-CHARGING STATIONS IN MIAMI BEACH

ACTION: Item Deferred.

22. DISCUSSION ON REQUIRING ALL NEW CITY VEHICLES PURCHASED AFTER 2020 TO BE 100% ELECTRIC (EXCEPT EMERGENCY VEHICLES)

ACTION: Item Deferred.

23. DISCUSSION REGARDING THE FREQUENCY OF WATER TESTING IN MIAMI BEACH

ACTION: Item Deferred.

24. DISCUSSION ON THE GRAND JURY REPORT REGARDING HEALTH OF BISCAYNE BAY WITH FOCUS ON HARD DEBRIS AND AN UPDATE ON WHAT THE CITY OF AVENTURA IS DOING IN RESPONSE

ACTION: Item Deferred.

25. DISCUSS UPDATES TO THE CITY CODE REFERENCING TURLE NESTING

Ms. Wheaton informed the Committee Commissioner Mark Samuelian will be the co-sponsor to this item beginning October.

ACTION: Item Deferred.

26. DISCUSS THE CURRENT STATUS OF THE CITY'S TRANSITION PLAN FOR GAS BLOWERS

ACTION: Item Deferred.

27. DISCUSSION ON REQUIRING ALL COMMERCIAL LANDSCAPERS WORKING ON MIAMI BEACH TO ABIDE BY FLORIDA FRIENDLY LANDSCAPING STANDARDS

ACTION: Item Deferred.