



30 RESILIENT 5
FIRST ANNUAL
PROGRESS REPORT

RESILIENT
GREATER MIAMI
& THE BEACHES

INTRODUCTION

In 2016, Miami-Dade County, the City of Miami, and the City of Miami Beach joined the Rockefeller Foundation's 100 Resilient Cities Network as its first intergovernmental collaborative. This partnership provided each of our entities the opportunity to work across government boundaries. Called Greater Miami & the Beaches (GM&B), we created the Resilient305 Strategy, a roadmap for tackling shocks and stressors that challenge South Florida from hurricanes and sea level rise, housing and mobility, to planning and collaboration.

The Resilient305 Strategy was launched on May 30, 2019 and the Progress Innovation Vision Of Tomorrow (PIVOT) team was created. PIVOT is comprised of GM&B, The Miami Foundation, and the Resilient Cities Network, and together we lead and learn from each other and our partners as we implement the Strategy's 59 action items and support resilience initiatives across our communities.

No one could have anticipated the COVID-19 pandemic, or its test to our resilience. We quickly adapted our Strategy locally, increasing the flexibility of our original actions to meet previously unforeseen needs. Advance Pandemics Communication (action 34) was initially created to build upon our experiences with Zika, proving useful in responding to the unprecedented COVID-19 pandemic. The Rockefeller Foundation Testing Solutions Group, including GM&B, during this time has provided financial resources to the City of Miami Beach and the Florida Department of Health. Our county's and cities' rapid and multifaceted responses to this health crisis and the ensuing economic crisis has set numerous precedents that have since been adopted by the State of Florida and other communities around the globe. As we plan for the future, we envision one that improves quality of life, equity, and resilient recovery that works in partnership with the region and state.

In addition to our 24 action partners, we have expanded our network to include 29 municipalities that have signed the Mayor's Pledge to support the Resilient305 Strategy. City managers and mayors throughout Miami-Dade County were invited to attend our first annual Send Your Boss to Bootcamp (action 45) event sponsored by the Rockefeller Foundation and The Miami Foundation. We also became the first community partner of the Adrienne Arsht-Rockefeller Foundation Resilience Center, helping everyone See It to Believe It (action 41). With all three GM&B jurisdictions involved, the Resilience Center also set up its Extreme Heat Resilience Alliance to focus on the growing threat of extreme urban heat for vulnerable people. Most recently, the health of Biscayne Bay has been a top priority through robust collaborative action, resulting in far-reaching recommendations and the creation of the first ever Chief Bay Officer position. This helps build a more resilient future, one where Resilient305 actions contain advanced planning by embedding resilient measures into comprehensive planning, legislative action, and construction processes.

Amid COVID-19, the Resilient305 strategy has adapted to new challenges, which have exacerbated existing racial and economic inequities in communities of color. At the Rockefeller Foundation, we're committed to working with places to create economic equity for low-wage workers, and recently launched the Rockefeller Foundation Opportunity Collective aimed at promoting more inclusive growth in the Miami area through structural and systemic change. We know the one way we can help eliminate barriers to access capital and credit is through public and private investments and collaboration with local government, businesses, faith-based organizations, and nonprofits. The Resilient305 Strategy is one that works and one that is having a significant impact on the communities in Greater-Miami + the Beaches."

Otis Rolley III, senior vice president of The Rockefeller Foundation's U.S. Equity and Economic Opportunity Initiative

Our unique partnership has attracted additional funding through new collaborations and grants, with an estimated \$875 million in funding support for the implementation of our 59 actions. JP Morgan Chase invested \$3 million to create a multi-year strategy creating pathways towards living-wage jobs facilitating multiple actions within Objective 6: Cultivate Financial Stability. The Miami Foundation committed \$475,000 to enhance our region's U.S. Census outreach efforts so all of our residents will Be Counted (action 24), and the Rockefeller Foundation recently selected GM&B to join its new Opportunity Collective, a \$10 million collaborative investment that will support post-pandemic recovery to Build an Inclusive Economy in places around the United States (action 20).

While we celebrate our many shared achievements since the launch of the Resilient305 Strategy, much work lies ahead. Today's challenges remind us that our greatest accomplishment is the shared strength and sense of purpose that moves us forward. Each team member in our growing matrix of partners plays a critical role in our ability to thrive now and for decades to come.

We invite you to learn more through our first annual report and by visiting www.resilient305.com.

Thank you for your dedication to the resilience of our community.

Jim Murley, CRO Miami-Dade County
Amy Knowles, CRO City of Miami Beach
Alan Dodd, CRO City of Miami
Loren Parra, The Miami Foundation



FUNDING

DIRECT



\$700k

Miami-Dade County for R305 Implementation

\$975k

The Miami Foundation and Miami-Dade County for Census Outreach Efforts

\$1M

JP Morgan Chase Affordable Housing Initiative

\$2M

USACE Beach Nourishment Study

SAVINGS

\$8.4M

DISCOUNT for Community Rating Score, Miami Beach

\$2.3M

Coral Gables Stormwater Reserve

\$3M

USACE Back Bay Study

\$3M

JP Morgan Chase Advancing Cities



\$1.8M

SAVINGS for the Town of Cutler Bay

\$400M

Miami Forever Bond

\$439M

Miami Beach G.O. Bond

INDIRECT FUNDING



33 battery electric buses, Miami-Dade County

\$200k

The Miami Foundation Community Grants

\$4.5M

Florida Department of Economic Opportunity for flood prone properties

\$5M

Rockefeller Foundation Testing Solutions Group

\$10M

Rockefeller Foundation Opportunity Collective

\$100M

Federal Transit Administration for the South corridor

ACTION PROGRESS



53 Ongoing
6 Not Started

4 **NEW** Cities with Resilience and Sustainability Committees
El Portal | North Bay Village | Miami Shores | Surfside



24 Action Partners



14 Full PIVOT Meetings

2 **NEW** Chief Resilience Officers



Surfside
Key Biscayne

29 **NEW** Cities Committed to R305





PLACES

Through our “Places” actions, we aim to address place-based challenges by enhancing our climate resilience through design and planning for the future; creating, connecting, and improving mobility and housing options; and safeguarding our ecosystems.



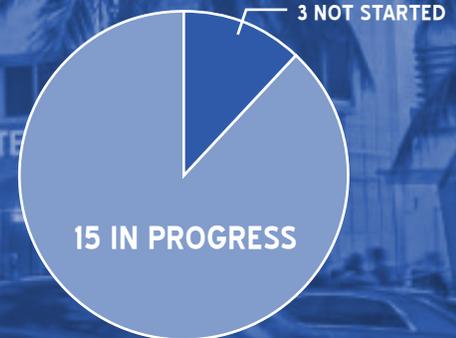
PEOPLE

Through our “People” actions, we aim to improve the lives of our residents every day, whether sunny or stormy, by supporting job and wealth creation; addressing specific health needs for the most vulnerable among us; and preparing and empowering neighborhoods and networks to anticipate and respond to disruptions, both large and small.



PATHWAYS

Through our “Pathways” actions, we aim to build the connections, collaborations, and committed leadership needed to change the status quo, enabling GM&B to become a global leader in resilience. We can achieve this by setting common goals and committing to actions that bring together governments, businesses, and academic and community organizations.





ACTION STATUS

 PLACES
 ACTION 1: Preserve and Restore Biscayne Bay
 ACTION 2: Build Reef Biodiversity and Defenses
 ACTION 3: Bolster Our Beaches
 ACTION 4: Expand Nature-Based Infrastructure
 ACTION 5: Integrate Resilience Into Parks and Open Spaces
 ACTION 6: Reduce "Back Bay" Flooding
 ACTION 7: Implement Sea Level Rise Strategy
 ACTION 8: Develop Sea Level Rise Checklist for Capital Projects
 ACTION 9: Create Development Review Checklist
 ACTION 10: Strengthen Resilience Planning
 ACTION 11: Maximize Opportunity Zones
 ACTION 12: Develop Mobility Hubs in the 305
 ACTION 13: Design a Better Bus Network
 ACTION 14: Drive Into the Future
 ACTION 15: It's Electric
 ACTION 16: Expand Renewable Energy
 ACTION 17: Building Efficiency 305
 ACTION 18: Stay and Live in the 305
 ACTION 19: Redeveloping Resilient Public Housing

 PEOPLE
 ACTION 20: Build an Inclusive Economy
 ACTION 21: Train for Construction
 ACTION 22: Promote Fair Chance Hiring
 ACTION 23: Buy Local
 ACTION 24: Be Counted
 ACTION 25: Re-establish the Financial Capability Collaborative
 ACTION 26: Teach Kids to Save
 ACTION 27: Expand Youth Career Opportunities
 ACTION 28: Break the Cycle of Youth Violence
 ACTION 29: Respect Our Elders
 ACTION 30: Update the Social Services Master Plan
 ACTION 31: Advocate for Mental Health

 PEOPLE
 ACTION 32: Pilot an Arrest Diversion for Opioid Users
 ACTION 33: Accelerate Progress of HIV/AIDS Strategy
 ACTION 34: Advance Pandemics Communication
 ACTION 35: Increase Neighborhood Response
 ACTION 36: Time to Volunteer
 ACTION 37: Prepare Your Property
 ACTION 38: Support Resilience Hubs
 ACTION 39: Get the 311 on Resilience for the 305
 ACTION 40: Create a K-12 Plan for Resilience Literacy
 ACTION 41: See it To Believe It

 PATHWAYS
 ACTION 42: Pre-planning for Post-disaster Toolkit
 ACTION 43: Roll Out 5-Step Guide to Innovative Recovery Financing
 ACTION 44: Bounce Forward 305—Distribute Resilient Land Use Essentials Guide
 ACTION 45: Send your Boss to Bootcamp
 ACTION 46: Resilient 35 in the 305 Network
 ACTION 47: Train Employees to be Resilient
 ACTION 48: RISE to the Rescue
 ACTION 49: Collaborate with Universities
 ACTION 50: Create an Actionable Science Advisory Panel (ASAP)
 ACTION 51: Resilience Accelerator Workshops
 ACTION 52: Create a Resilient305 ArcGIS Hub
 ACTION 53: Share Bold Integrated Water Models
 ACTION 54: Employ a One Water Approach
 ACTION 55: Plan Efficiently & Effectively Together
 ACTION 56: Finance a Resilient Future
 ACTION 57: Leverage the Power of Purchasing
 ACTION 58: Pilot Resilience Financing Decisions Toolkit
 ACTION 59: Demonstrate Cost Benefits of Resilience

KEY

-  Ongoing  Not Started



MIAMI GARDENS

MIAMI LAKES

OPA-LOCKA

HIALEAH GARDENS

HIALEAH

MEDLEY

MIAMI SPRINGS

DORAL

VIRGINIA GARDENS

SWEETWATER

WEST MIAMI

CORAL GABLES

SOUTH MIAMI

PINECREST

PALMETTO BAY

CUTLER BAY

HOMESTEAD

FLORIDA CITY

GOLDEN BEACH

AVENTURA

SUNNY ISLES BEACH

NORTH MIAMI BEACH

NORTH MIAMI

BAL HARBOUR

BAY HARBOR ISLANDS

SURFSIDE

BISCAYNE PARK

INDIAN CREEK VILLAGE

MIAMI SHORES

EL PORTAL

NORTH BAY VILLAGE

MIAMI BEACH

MIAMI

KEY BISCAYNE

Colors to help distinguish boundaries and are merely visual



CELEBRATING OUR CITIES COMMITMENT

GM&B partners are not included as they are working on all actions in the Resilient305 Strategy.

AVENTURA

- ACTION 24:** Be Counted
- ACTION 6:** Reduce "Back Bay" Flooding

BAL HARBOUR

- ACTION 3:** Bolster Our Beaches
- ACTION 24:** Be Counted
- ACTION 45:** Send Your Boss to Bootcamp

BAY HARBOUR ISLANDS

- ACTION 24:** Be Counted

CORAL GABLES

- ACTION 1:** Preserve and Restore Biscayne Bay
- ACTION 15:** It's Electric
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp
- ACTION 47:** Train Employees to be Resilient
- ACTION 48:** RISE to the Rescue
- ACTION 49:** Collaborate with Universities
- ACTION 52:** Create a Resilient305 ArcGIS Hub
- ACTION 55:** Planning Efficiently & Effectively Together

CUTLER BAY

- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 10:** Strengthen Resilience Planning
- ACTION 12:** Develop Mobility Hubs in the 305
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp
- ACTION 48:** RISE to the Rescue

DORAL

- ACTION 13:** Design a Better Bus Network
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders

EL PORTAL

- ACTION 24:** Be Counted
- ACTION 48:** RISE to the Rescue

FLORIDA CITY

- ACTION 11:** Maximize Opportunity Zones
- ACTION 23:** Buy Local
- ACTION 28:** Break the Cycle of Youth Violence

GOLDEN BEACH

- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 48:** RISE to the Rescue

HIALEAH

- ACTION 11:** Maximize Opportunity Zones

HOMESTEAD

- ACTION 11:** Maximize Opportunity Zones
- ACTION 24:** Be Counted
- ACTION 28:** Break the Cycle of Youth Violence

INDIAN CREEK VILLAGE

- ACTION 45:** Send Your Boss to Bootcamp

KEY BISCAYNE

- ACTION 1:** Preserve and Restore Biscayne Bay
- ACTION 3:** Bolster Our Beaches
- ACTION 4:** Expand Nature-Based Infrastructure
- ACTION 24:** Be Counted
- ACTION 48:** RISE to the Rescue
- ACTION 49:** Collaborate with Universities

MIAMI GARDENS

- ACTION 24:** Be Counted
- ACTION 28:** Break the Cycle of Youth Violence
- ACTION 35:** Increase Neighborhood Response

MIAMI LAKES

- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 31:** Advocate for Mental Health

MIAMI SHORES

- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp
- ACTION 48:** RISE to the Rescue

MIAMI SPRINGS

- ACTION 24:** Be Counted

NORTH BAY VILLAGE

- ACTION 2:** Build Our Reef Biodiversity
- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp
- ACTION 48:** RISE to the Rescue
- ACTION 49:** Collaborate with Universities

NORTH MIAMI

- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 24:** Be Counted
- ACTION 28:** Break the Cycle of Youth Violence

OPA-LOCKA

- ACTION 24:** Be Counted
- ACTION 28:** Break the Cycle of Youth Violence

PALMETTO BAY

- ACTION 12:** Develop Mobility Hubs in the 305
- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 48:** RISE to the Rescue

PINECREST

- ACTION 24:** Be Counted
- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp

SWEETWATER

- ACTION 13:** Design a Better Bus Network
- ACTION 24:** Be Counted
- ACTION 48:** RISE to the Rescue

SOUTH MIAMI

- ACTION 24:** Be Counted

SUNNY ISLES BEACH

- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 24:** Be Counted
- ACTION 48:** RISE to the Rescue

SURFSIDE

- ACTION 3:** Bolster Our Beaches
- ACTION 6:** Reduce "Back Bay" Flooding
- ACTION 24:** Be Counted
- ACTION 45:** Send Your Boss to Bootcamp
- ACTION 48:** RISE to the Rescue

WEST MIAMI

- ACTION 29:** Respect Our Elders
- ACTION 45:** Send Your Boss to Bootcamp



OBJECTIVE 1: Enhance Natural Systems

ACTION 1: Preserve and Restore Biscayne Bay

- The Biscayne Bay Task Force recently released its report to restore the health of the Biscayne Bay. A local State of Emergency was declared, and a new Chief Bay Officer position was created to facilitate implementation of the recommendations. The recommendations are far reaching and range from creating a new governance structure to addressing aging infrastructure to education.

ACTION 2: Build Reef Biodiversity and Defenses

- Working alongside local stakeholders including fishing groups, non-governmental organizations and citizen science programs, areas suitable for installation of mooring buoys and expansion of artificial reefs have been identified. Mooring buoys help prevent boat anchor impacts and artificial reefs aid in **habitat restoration and enhancement**, fisheries management, and increased opportunities for recreational diving. Since June 2019, 7 artificial reef projects have been completed and permits for 5 new mooring buoy areas are being sought. (Miami-Dade County)

ACTION 3: Bolster Our Beaches



- Approximately 635,000 cubic yards of beach quality sand have been placed in erosional hotspots segments located in Surfside and Miami Beach. Additional erosion hotspots from Government Cut to Sunny Isles will be renourished by segment in the coming years as part of a multi-year \$158 million project. (Miami-Dade County, U.S. Army Corps of Engineers)

ACTION 4: Expand Nature-Based Infrastructure

- Construction of the Card Sound Road Salt Barrier and the Florida City Canal Culvert Restoration projects has begun, and work is expected to be completed in 2021. These specific projects are designed to complement Comprehensive Everglades Restoration projects in the same area and will **reduce over drainage and restore Everglades wetlands** providing benefits to all of GM&B. (Miami-Dade County)

ACTION 4 HIGHLIGHT

The Nature Conservancy (TNC), with support from the Chubb Charitable Foundation, identified the potential for nature-based flood protection at four sites. As part of this effort, TNC is collaborating with the City of Miami to design a resilient shoreline at Morningside Park with support of NextEra Energy; and is collaborating with the City of Miami Beach to construct the Brittany Bay Park Living Shoreline project, the largest hybrid seawall with a living shoreline in Miami Beach.

“The Morningside Park coastal resilience project, thanks to Chubb and its Charitable Foundation’s commitment to conservation and their dedication to reducing risk, will result in a strengthened shoreline in Miami which will help protect residents as well as make public spaces greener and more functional, a win-win for people and for nature.”

**Temperince Morgan, Executive Director,
The Nature Conservancy in Florida**

ACTION 5: Integrate Resilience Into Parks and Open Spaces

- Local governments are exploring and implementing innovative measures into design and improvements of parks and open spaces to help address a wide range of issues from **designing for the impact of sea level rise and improving stormwater retention in natural areas**, to integrating signage that not only has a minimal footprint, but also educates people about climate and resilience. (GM&B)

ACTION 5 HIGHLIGHT

Renovation is an opportunity to integrate resilience! Achieving LEED Silver, the Miami Beach Convention Center transformed 6.3 acres of asphalt to a public park with green space and art, expanding the tree canopy with 1300 new Florida-friendly trees. A living shoreline was created with mangrove habitat and a new seawall that doubles as a seating bench. The site also decreased power usage by 15 percent, and reduced flood risk through elevating the ground floor and critical building systems. (City of Miami Beach)



ACTION 6: Reduce “Back Bay” Flooding

- **Aimed at reducing vulnerability to coastal storm surge**, the US Army Corps of Engineers released a \$4.6 billion Draft Feasibility Report for the Miami-Dade Back Bay Coastal Storm Risk Feasibility Study. The draft report identifies structural and non-structural measures that reduce risk in seven different focus areas. The study is on track to be completed in October 2021. GM&B and many stakeholders participated in workshops and provided comments on the study.



OBJECTIVE 2:

Safeguard Urban Systems



ACTION 7: Implement Sea Level Rise Strategy

- An **integrated water management plan** for sea level rise has been adopted to incorporate blue green infrastructure, road safety elevation goals and the order of projects based on flood risk, water and sewer infrastructure needs, and population density (Miami Beach implementation of the 2018 Urban Land Institute Study). Following the release of the 2019 updated sea level projections by the Southeast Florida Regional Climate Change Compact, municipalities throughout GM&B have been adopting the updated projections and utilizing them in capital projects. (Southeast Florida Regional Climate Change Compact)

ACTION 8: Develop Sea Level Rise Checklist for Capital Projects

- A draft sea level rise checklist for capital projects has been developed to help adopt **consistent information and standards across projects**. The checklist will help ensure that the latest localized sea level rise projects are incorporated into the design phase of projects when it is most cost-effective to do so (Miami-Dade County). The "Building Resilience through the Budget" team trains capital project managers to integrate new resilience issues and include resilience co-benefits in their projects. (City of Miami Beach)

ACTION 9: Create Development Review Checklist

- To **integrate resilience and equity** into development projects, GM&B developed the Resilience and Equity Review Checklist used when large private development projects like Special Area Plans are reviewed (City of Miami) and the Sea Level Rise and Resiliency Review Criteria that is required for development projects going before Land Use Boards. (City of Miami Beach)

ACTION 10: Strengthen Resilience Planning

- Major progress is being advanced in **resilience planning for the future** through preparing or adopting amendments to comprehensive development master plans in 2020, strengthening policies to address sea level rise, enhancing resilience planning and reducing greenhouse gas emissions. (Miami-Dade County)

ACTION 10 HIGHLIGHT

An inspirational vision campaign is underway for Miami Beach that imagines what the tropical metropolis would look like in 2070 as the city plans and adapts to sea level rise. The first phase was launched to illustrate a resilient future in 2070. "Students will first develop detailed historic contexts for the building of their choice, and will then study the city's resilience-building guidelines—utilizing sea level rise projections and data to outline ways the buildings can be preserved that include green, blue and gray infrastructure and technological innovations," explains Professor John Stuart. "Students will then develop models and renderings of daily life that showcase inspirational visions for how the city's historic district has been preserved just as it has been transformed into a more resilient neighborhood for 2070." Next steps include developing a full global campaign. (Florida International University and City of Miami Beach)

ACTION 11: Maximize Opportunity Zones

- Opportunity Zone **prospectuses developed** in the past year highlight benefits for investors and avenues for local policy makers to attract or influence investment in those areas. Other opportunities that brought together diverse stakeholders were hosted throughout the year by local governments, law firms, and economic development organizations. (Miami-Dade County, Miami-Dade County Beacon Council, City of Miami)

ACTION 11 HIGHLIGHT

Miami-Dade County broke ground on the Three Round Towers/ Brisas del Este affordable housing development in Allapattah. The 383-unit, \$106 million public-private partnership is the largest of its kind in the country to use a combination of Opportunity Zone Funds (\$24 million) and other funding sources to develop affordable housing. (Miami-Dade County)





OBJECTIVE 3: Create Mobility Options

ACTION 12: Develop Mobility Hubs in the 305

- Preparing for future **transit-oriented development and multi-modal travel options**, local governments have begun preparing master plans for mobility hubs along major transit corridors. These plans help continue momentum to create safer, more walkable streets for all types of transit users. (Miami-Dade County, Town of Cutler Bay, City of Miami Beach, City of Miami, Village of Palmetto Bay)

ACTION 13: Design a Better Bus Network

- To better meet the needs of bus and transit riders and **improve coordination of transportation planning**, the first redesign of the bus system in 30 years was completed. The proposed redesign was informed by robust stakeholder engagement, collaboration with transportation departments from various municipalities, and local elected leaders. Final adoption of the redesigned network is pending. (Transit Alliance Miami)

ACTION 14: Drive Into the Future

- From micromobility options to autonomous vehicles, local governments have been exploring ways to expand and implement **future transportation options** that reflect the choices of community members through programs like Complete Streets and Vision Zero. (GM&B)

ACTION 15: It's Electric



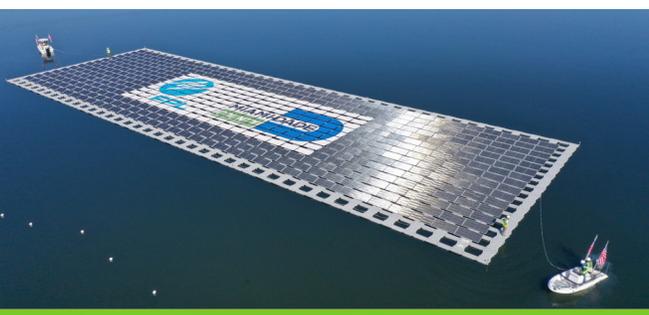
- To **promote and accelerate the use of electric vehicles** in the community and in government operations, changes to policies for parking requirements in public and private facilities have been adopted by distinct local governments. Efforts to facilitate the adoption of electric vehicles will help reduce pollution and improve air quality. (Miami-Dade County, City of Coral Gables, City of Miami, City of Miami Beach)



OBJECTIVE 4: Increase Energy Efficiencies

ACTION 16: Expand Renewable Energy

- GM&B has been **advancing the use of renewable energy** in a variety of ways—from the installation of the largest floating solar installation in the Southeast United States to streamlining permitting processes for installation of on-site solar, purchasing renewable energy offsets and credits, and facilitating financing programs for residential homeowners.



ACTION 17: Building Efficiency 305

- To increase existing **building stock performance and meet energy and water reduction goals**, the BE305 Hub, an online public interface for the program was launched in 2020 along with the BE305 Challenge. Leading by example and to facilitate benchmarking of county buildings, EnergyCAP, a utility billing management system, was expanded to include water bills. (GM&B)

ACTION 16 HIGHLIGHT

Heat is a stress globally and locally. A new **Urban Heat Island ordinance addresses extreme heat** and requires strategies to minimize elevated temperatures through sustainable roofs, porous and cool pavement, makes solar easier and waives fees. (City of Miami Beach)



OBJECTIVE 5:



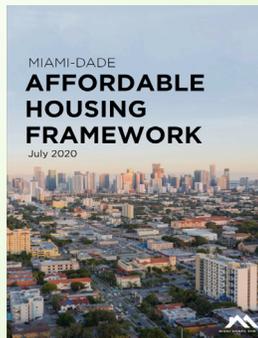
Enhance Housing Options

ACTION 18: Stay and Live in the 305

- To address the long-term stress of **affordable housing availability** master plans like the Affordable Housing Master Plan (City of Miami) and the Affordable Housing Blueprint (Miami-Dade County) have been released in the past year. Utilizing federal funding and \$100M from the Miami Forever Bond, implementation of the recommendations from the plan are being advanced. (City of Miami)

ACTION 18 HIGHLIGHTS

Miami Homes For All released the Miami-Dade Affordable Housing Framework, a plan to address the housing insecurity crisis in the County. It was developed through two years of meetings with over 700 stakeholders, in partnership with University of Florida's Shimberg Center for Housing Studies with funding from J.P. Morgan Chase & Co.



"Our affordable housing work, as evidenced by the priorities in our recently launched 'Miami-Dade Affordable Housing Framework,' focuses on enhancing community resilience through the preservation of affordable housing, assistance to prevent displacement of renters and homeowners, the deployment of public land for public good, and money to invest in housing development."

Annie Lord, Executive Director, Miami Homes for All

ACTION 19: Redeveloping Resilient Public Housing

- Leveraging local, federal and private dollars, approximately **6,500 public housing units are being redeveloped** into modernized, mixed-income and mixed-use communities. By November 2020, it is expected that there will be at least 10,000 affordable and workforce units completed or in progress. (Miami-Dade County)





OBJECTIVE 6: Cultivate Financial Stability

ACTION 20: Build an Inclusive Economy

- Structurally unemployed individuals can receive support finding and maintaining a living wage job via a new program. Miami Community Ventures. This collective impact program helps people **address issues with maintaining a job** like reliable childcare and access to reliable transportation. (Miami-Dade County Beacon Council)

ACTION 21: Train for Construction

- The Greater Miami Workforce Asset Mapping Report identifies nine in-demand, **locally relevant, living wage occupations that require little training to begin** and have significant growth trajectory. Investing in continuing education and on-the-job training are among the recommendations that can help grow the pool and qualifications of local trade-based workers. (The Miami Foundation, JP Morgan Chase)

ACTION 22: Promote Fair Chance Hiring

- No update for Y1 Report

ACTION 23: Buy Local

- The South Florida Anchor Alliance (SFAA) Blueprint has been finalized, and 16 anchor institutions including GM&B will be a part of this official network to **stimulate the local economy**. The SFAA Supplier Diversity and Workforce Development working groups have played an essential role in ongoing pandemic recovery efforts. (Health Foundation of South Florida)



ACTION 24: Be Counted

- Local governments and non-profits launched aggressive communications campaigns to **encourage Census participation**, especially targeting hard-to-count populations. In addition to self-funded efforts, The Miami Foundation and Miami-Dade County collectively invested over \$975,000 in Census related efforts by government and community-based organizations. (The Miami Foundation, Miami-Dade County)

“Strengthening our community’s resilience is about so much more than just the built environment. Collaboratives like the Resilient 305 network guarantee that we’re not just preparing for the impacts of sea level rise, but also ensuring equitable solutions and outcomes for those living on the frontlines.”

**Rebecca Fishman Lipsey, President & CEO,
The Miami Foundation**

ACTION 25: Re-Establish the Financial Capability Collaborative

- United Way has engaged approximately 20 municipalities and anchor institutions, including hospitals and universities. (United Way)

ACTION 26: Teach Kids to Save

- Florida’s first children’s savings accounts program**, Future Bound Miami, was launched in late 2019 in 30 elementary schools in the City of Miami and concluded with 14 percent of students activating their savings accounts. In the future, the program hopes to expand to serve all elementary schools in GM&B. (Catalyst Miami)

“We are hopeful that we will expand to seven additional feeder patterns during the 2020-21 school year. These feeder patterns will represent the broad geography of Miami-Dade County. We will continue to expand each school year until all incoming kindergartners have access to a Future Bound Miami savings account.”

**Gretchen Beesing, Chief Executive Officer,
Catalyst Miami**

ACTION 27: Expand Youth Career Opportunities

- The Summer Jobs Connect program pivoted to the spring to hire students and give them the opportunity to earn money while assisting with COVID-19 response and recovery. 200 students were hired to call City of Miami residents and ask them questions about the financial, health, and emotional impacts of COVID-19 in order to better guide City response. (City of Miami)

ACTION 27 HIGHLIGHT

The Liberty City Trust is conducting youth employment training program where they are teaching students how to run a COVID-19 safe restaurant and how to get ServSafe certified.



“During COVID-19 we worked to keep our youth employed and restaurants afloat by training youth in the greater Liberty City in food safety and culinary arts at local restaurants.”

**Elaine H. Black, President/CEO,
Liberty City Community Revitalization Trust**



OBJECTIVE 7: Advance Public Health Priorities



▶ ACTION 28: Break the Cycle of Youth Violence

- To develop a **sustainable long-term strategy to youth violence**, the coalition of six partner neighborhood groups and anchor partners have been building consensus and identifying key priorities for work including: Strengthening Families, Empowering Youth, and Protecting Youth. To help continue this work, the collaborative will be working on selecting a countywide board in the coming year. (Together for Children)

▶ ACTION 29: Respect Our Elders

- The Miami-Dade Age Friendly Initiative has received commitments from twelve municipalities to surveying, action-planning, and implementation of **accommodations for our aging population**. (Miami-Dade County)

ACTION 29 HIGHLIGHTS

GM&B emergency senior meals programs have delivered over 10 million meals during the COVID-19 pandemic.



|| ACTION 30: Update the Social Services Master Plan

- No update for Y1 Report

▶ ACTION 31: Advocate for Mental Health

- South Florida Behavioral Health Network rebranded as Thriving Mind South Florida, **continues to provide mental health and substance use services**. The pre-arrest diversion program, in coordination with local law enforcement, diverts roughly 50,000 people per year from jail and via partnership with Miami-Dade Public Schools where mental health services have been provided to over 15,000 children. (Thriving Mind South Florida)

▶ ACTION 32: Pilot an Arrest Diversion for Opioid Users

- The Collaborative Law Enforcement Addiction Recovery (CLEAR) Program began offering **medically assisted treatment for substance abuse in lieu of arrest** to individuals found in possession of personal use amounts of opioids in November 2019. Currently, 19 individuals participate in the program; the goal is to enroll 100 people by July 2021. (City of Miami).

▶ ACTION 33: Accelerate Progress of HIV/AIDS Strategy



- Ending the HIV Epidemic: A Plan for America (EHE) is a new national initiative aiming to **reduce new HIV infections** in the US by 75 percent by 2025. In July 2020, the Centers for Disease Control named Miami-Dade County a priority jurisdiction and provided funding to facilitate the development of a locally tailored EHE Plan intended for completion in December 2020. (Department of Health in Miami-Dade County)

▶ ACTION 34: Advance Pandemics Communication



- This action was added to Resilient305 after the Zika virus impacted our community and in anticipation of increased occurrence of other tropical diseases. 2020 brought the unprecedented global pandemic, the novel coronavirus - COVID-19 - which tested GM&B's resilience to a major shock and thrust this action to the forefront of GM&B's priorities.
- COVID-19 response has underscored the importance of governments leading on response and **coordinating, collaborating, and communicating** with businesses, non-profits, and other government entities. Many cities have created designated COVID-19 pages on their websites, directing residents to emergency orders, facts about coronavirus, and assistance resources. In addition, many municipalities have created public-private working groups, utilizing the expertise of their community members to help guide recovery efforts. Among municipalities themselves, Miami-Dade League of Cities has served as an important backbone organization helping municipalities share interpretations of emergency orders. (GM&B)

ACTION 34 HIGHLIGHT

Resilient Cities Network shifted its focus to COVID-19 and launched the Cities for a Resilient Recovery, a collaborative platform including weekly expert webinars and toolkit for recovery. The City of Miami Beach presented their recovery efforts with other cities in the global network.



OBJECTIVE 8:

Strengthening Community Response

ACTION 35: Increase Neighborhood Response



- Before the COVID-19 pandemic, GM&B hosted 10 classes and trained 167 volunteers for **Community Emergency Response Teams (CERT)**. Last year saw advances in CERT programs including specialty trainings like Stop the Bleed, ham radio, crowd management and de-escalation tactics, and human tracking awareness as well as deployment of volunteers during Super Bowl LIV. (GM&B)

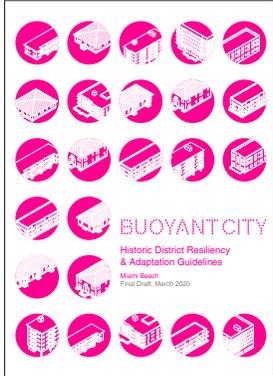
ACTION 36: Time to Volunteer



- Residents can find countywide opportunities to volunteer at VolunteerMiami.org. The site is open to postings by non-profits across South Florida and has been used to direct volunteers during the COVID-19 crisis to opportunities such as food banking with Feeding South Florida and reading stories to children. (United Way)

ACTION 37: Prepare Your Property

- Resources for different property types to enhance their resilience have been developed for GM&B: a resilience audit tool for multifamily affordable housing owners and managers is in development that will provide weatherization and efficiency recommendations (City of Miami). Buoyant City: Historic District Resiliency Adaptation Guidelines was created recognizing the need for visionary planning for treasured historic districts. (City of Miami Beach).



ACTION 38: Support Resilience Hubs

- Three neighborhoods have been identified by Catalyst Miami as priorities for the **development of resilience hubs**: Miami Gardens, Overtown, and Homestead/Florida City. The organization has begun community engagement and road mapping the process to develop hubs in these areas. (Catalyst Miami).



OBJECTIVE 9:



Communicate the Concept of Resilience

ACTION 39: Get the 311 on Resilience for the 305

- No update for Y1 Report

ACTION 40: Create a K-12 Plan for Resilience Literacy

- Miami-Dade County Public Schools partnered with CLEO Institute to provide critical climate literacy across high schools, providing workshops for teachers, and climate lectures to students, where they learned about the climate crisis, and the solutions available. Students became trained climate speakers and can now do peer-to-peer lectures in their schools through CLEO's Climate Leadership Information Project (CLEO Institute).

ACTION 41: See It To Believe It

- Aimed at **increasing awareness about the impacts of climate change** and the importance of resilience and environmental sustainability in the GM&B arts community and its audiences, the Arts Resilient305 program was launched as a three-part initiative. (Arts in Public Places Trust, GM&B)

ACTION 41 HIGHLIGHT

Acknowledging the resilience value of the cultural arts and its importance to life in GM&B, Miami-Dade County and City of Miami Beach have both dispersed funding to local artists during the COVID-19 pandemic. Over 550 Miami-based artists of all disciplines have received financial assistance through the Miami-Dade Artist Support! (MAS!) Grants Program and City of Miami Beach's Cultural Arts Emergency Fund.

"This Community Resilience Pod was created and designed with Miami-Dade County communities in mind so we can zero-in on the shocks and stresses they are facing today—especially the economic challenges that COVID-19 brings to community members. We want to deploy these Pods so we can support relief efforts to build stronger, safer and more empowered communities worldwide and make one billion people more resilient by 2030."

Kathy Baughman McLeod, Director of the Atlantic Council's Adrienne Arsht-Rockefeller Foundation Resilience Center



ACTION 41 HIGHLIGHT

CLEO's Florida Climate Crisis is a one-of-a-kind campaign to educate Floridians, and the world, about our extreme heat, and how it impacts everything we care about. The CLEO Institute, in partnership with Volo Foundation, Zubi and artist Bob Partington created biodegradable wax statues that melted in the heat to reveal urgent messages. In Miami: a lifeguard house represented our quality of life, and tourism - More Heat, Less Beaches. Additional wax sculptures were on display in two other Florida cities—Tampa and Orlando.





OBJECTIVE 10: Pre-Plan for Post-Recovery

▶ ACTION 42: Pre-planning for Post-Disaster Toolkit

- Development of the Post-Disaster Toolkit is complete and will be released in the coming year. The toolkit can be used by municipal staff in **Pre-planning for Post Disaster**. (GM&B)

▶ ACTION 43: Roll Out 5-Step Guide to Innovative Recovery Financing

- The 5-Step Guide to Innovative Recovery Financing was completed in collaboration with the Government Finance Officer's Association. It highlights South Florida case studies and **compares parametric insurance to other risk management tools** available to local governments. The document was released in early 2020 at the GM&B Send your Boss to Bootcamp event. (City of Miami Beach)

▶ ACTION 44: Bounce Forward 305—Distribute Resilient Land Use Essentials Guide

- The guide has been finalized and will be released in 2021 at a **lunch and learn for municipal staff** where they will have an opportunity to ask questions and share learnings from the guide. (GM&B)



OBJECTIVE 11: Cultivate Resilience Expertise

▶ ACTION 45: Send Your Boss to Bootcamp



- GM&B, with support from PortMiami, the Resilient Cities Network, and The Miami Foundation, hosted leaders from Miami-Dade County and its municipalities for an inaugural Send Your Boss to Bootcamp event. Municipal leaders had the opportunity to **share their own resilience challenges and success stories** and to ask questions of resilience experts and their colleagues in other cities while getting municipal-level information on Resilient305 action items. (GM&B)

▶ ACTION 46: Resilient 35 in the 305 Network

- GM&B has been actively working with municipalities to **strengthen collaboration and support resilience initiatives**. Through these efforts, a Mayor's pledge was developed and has been signed by 29 cities in Miami-Dade County committing to implementation of actions within the Resilient305 Strategy. (GM&B)

▶ ACTION 47: Train Employees to Be Resilient

- The practice of resilience involves **constant learning and knowledge sharing**. Throughout the past year, GM&B has participated in trainings and hosted lunch and learns for local government staff. In collaboration with the Urban Sustainability Directors Network, a training for employees focused on communicating with the public on climate resilience, interview elected officials, and provide feedback on resilience program communications was hosted (City of Miami Beach).

ACTION 47 HIGHLIGHTS

During the COVID-19 pandemic, the City of Miami Beach expanded employee training through a virtual Sustainachella series to connect and engage with the community and employees. Each workshop focused on a different topic that promotes sustainable living and environmental stewardship while highlighting the City's various programs and initiatives. Depending on the topic, the City partnered with a local non-profit to help educate the community on different aspects of sustainability and mental wellbeing.

Through local and national partnerships, Sustainachella brings together residents and virtual visitors to showcase how sustainability can be incorporated into their everyday lives at various capacities. A total of 23 events with almost 1,800 participants in Zoom and over 51,500 people reached on Facebook Live were hosted.

"Partnering with Miami Beach on their innovative and educational Sustainachella series was such a fun and successful way to engage the community. We believe that this partnership empowers our community to become environmental stewards."

Barbara Martinez-Guerrero, Executive Director, Dream in Green



OBJECTIVE 12:

Leverage our Experience



▶ **ACTION 48:** RISE to the Rescue

- **Communicating climate resilience** is challenging. GM&B hosted an inaugural lunch & learn session targeting municipal and County department public information officers and communications staff. Attendees represented 14 of the County's 34 municipalities and eight of the County's departments, divisions and offices. The Miami Beach Resilient Integrated Strategic Engagement (RISE) Guide was shared to help communicate purpose, empower staff, and provide tools. (City of Miami Beach)

▶ **ACTION 49:** Collaborate With Universities

- The important role of the universities in **data collection and project partnership** has expanded to further enhance implementation of Resilient305 action items. (GM&B)

ACTION 49 HIGHLIGHTS

GM&B launched the Resilient305 Collaborative, a joint academic-government research partnership working together in support of comprehensive resilience research and learning. This multidisciplinary effort supports implementation of the Resilient305 Strategy by carrying out research to show how Resilient305 actions are contributing to the resilience of our social, environmental, economic and infrastructure systems. The Collaborative is piloting a research strategy, focused on an area of GM&B dubbed the "Little River to North Beach Resilience District."

"In order to have projects, policies, and programs that are effective in building resilience, we need ways to break down silos. The primary goal of our Resilient305 Collaborative is to do just that."

**Amy Clement, Ph.D., Professor,
Department of Atmospheric Science—Rosenstiel School of
Marine and Atmospheric Science**

"Comprehensive, collaborative resilience research allows us to do things in new ways and learn while we do them. Using science and information to translate outcomes of resilience investments helps close the gap between governments and communities by enabling citizens a new entry point for civic engagement."

**Tiffany Troxler, Director of Science FIU
Sea Level Solutions Center**

▶ **ACTION 50:** Create an Actionable Science Advisory Panel (ASAP)



- Having **best available science available** to inform decision making is a priority for GM&B. Through funding from the National Science Foundation's Coastlines and People program, a coastal resilience workshop for government agencies and scientists was hosted in 2019 and additional workshops are planned though next year (Florida International University).

|| **ACTION 51:** Resilience Accelerator Workshops

- No update for Y1 Report



OBJECTIVE 13:

Develop Shared Resources

▶ ACTION 52: Create a Resilient305 ArcGIS Hub

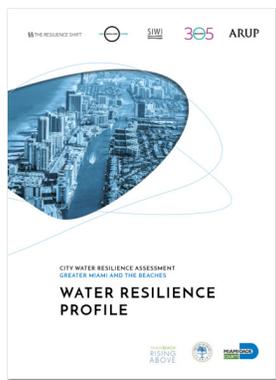
- Expected to be published by the end of 2020, a Resilient305 Hub is being developed to provide resources and detailed updates on action items. The Hub will also provide easier **access to open data and an opportunity for intergovernmental collaboration**. (Miami-Dade County)

|| ACTION 53: Share Bold Integrated Water Models

- No update for Y1 Report

▶ ACTION 54: Employ a One Water Approach

- The One Water Approach has resulted in opportunities for further **stakeholder collaboration**. The GM&B City Water Resilience Profile and the Smart One Water Governance and Implementation Workshop funded by the National Science Foundation, are recent steps taken to improve regional coordination and data access around water quality and quantity. (Miami-Dade County)



“Here in Southeast Florida, it truly is one water, all interconnected, so it made sense for us to take the City Water Resilience Approach to water resource planning. We will be collaborating with Virginia Tech and its partners on a series of workshops, which include stakeholders from around the globe, focusing on improving data sharing, governance, and broader collaborative efforts.”

Kevin Lynskey, Director, Miami-Dade County Water and Sewer Department

▶ ACTION 55: Plan Efficiently & Effectively Together

- The e-builder platform enables **online permitting** across County departments for water projects and has decreased permit time from 12 to 4 months. Cities and capital improvement projects will be added in the coming year to improve intergovernmental coordination. (Miami-Dade County)



OBJECTIVE 14:

Leverage our Dollars



▶ **ACTION 56:** Finance a Resilient Future

- Recognizing the need to **integrate resilience strategy** in all plans and operations, the Strategic Plan Through the Lens of Resilience has been adopted and includes Resilient305 actions. (City of Miami Beach)

ACTION 56 HIGHLIGHTS

The City of Coral Gables is investing \$2.3 million this year in its sea level rise mitigation fund and will grow that investment annually until it reaches \$5 million per year. By taking an aggressive and proactive approach to the threat of rising seas, the City hopes that by 2040 when most cities are searching for mitigation funding, Coral Gables will have \$100 million in reserve in the Stormwater Fund and have a fully funded Sanitary Sewer Capital Infrastructure Replacement Program to safeguard its residents.

▶ **ACTION 57:** Leverage the Power of Purchasing

- The Rocky Mountain and World Resources Institutes are collaborating with GM&B—to develop a more **efficient and effective procurement process** for on-site solar on government properties. Once complete this can serve as a model that can be replicated by other local governments. (Miami-Dade County)

|| **ACTION 58:** Pilot Resilience Financing Decisions Toolkit

- No update for Y1 Report

▶ **ACTION 59:** Demonstrate Cost Benefits of Resilience

- Cities are making advancements in the National Flood Insurance Community Rating System, leading to **reductions in flood insurance premiums** to help offset increasing federal rates for communities. Recent improvements include a Class 4 score resulting in 30 percent discount and \$1.8 million in savings (Cutler Bay) and a Class 5 Score leading to a 25 percent discount and \$8.4 million in savings (City of Miami Beach). A business case for investment in adaptation that will enhance the region's long-term resilience to sea level rise and flood hazards is being developed and will be shared with cities in GM&B (Southeast Florida Regional Climate Change Compact).

ACTION 59 HIGHLIGHTS



Increasing the understanding of resilience benefits for public and private property is critical to inform decision making and investments. The recent Business Case Analysis of the Stormwater Program included third party advanced modeling and economic analysis. Based on a conservative and high level analysis of property damages and property values alone, investments of up to \$2 billion could be justified: \$1 billion for storm surge protection and \$1 billion for stormwater system improvements to reduce flood depths from King Tides and heavy rain events. A pilot study of private property flood mitigation showed that for every \$1 invested results in at least \$3 in return. The results have been shared with the Southeast Florida Regional Climate Change Compact, the Miami-Dade Chamber of Commerce, and Resiliency Florida. (City of Miami Beach)



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