

Survey Metrics

Date Metrics		Deployment Metrics	
Start Date	7-May-24	Sent	27
End Date	16-Sep-24	Delivered	27
		Bounced	0

Response Metrics	
Completed	26
Unique Access Rate	74.07%
Incomplete	4
Incomplete Incl. in Report	4

Individual Responses

Response No:

6

Email ID:

L71458250

Participation Time:

7/29/2024 18:50

IP Address:

138.43.105.128

A

Q1. Local/Tribal Government

City of Miami

Q2. County

Miami-Dade County

A

A

A

Q3. Key Staff Contact

Q3 a. Key Staff Contact: Name

Caroline Miranda

Q3 b. Key Staff Contact: Title

Resilience Programs Manager

Q3 c. Key Staff Contact: Email Address

cmiranda@miamigov.com

☒ **Q4. Describe the progress your local/tribal government has made related to Mitigation Action #1. Please select all that apply.**

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

A Q5. Provide a brief description of the work you are advancing related to Mitigation Action #1. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Climate Action Plan: Miami is advancing Mitigation Action #1 through its "Miami Forever Carbon Neutral Plan," aiming for carbon neutrality by 2050, aligned with the Paris Climate Agreement. In November 2021, Resolution R-21-0472 was unanimously passed by the City Commission to adopt this plan, setting a goal of reducing greenhouse gas (GHG) emissions by 60% below 2018 levels by 2035. Greenhouse Gas Inventories: To monitor progress, the City conducts GHG inventories every two years, on odd years, for Citywide emissions and Local Government Operations emissions. In 2023, the City completed GHG inventories for 2019 and 2021 with a consultant, developed SOPs and data collection templates for in-house future inventories, and trained staff for consistency throughout departments. The City published a report documenting 2019 and 2021 emissions in December 2023. The Office of Resilience and Sustainability (ORS) began work on 2023 inventories in early 2024, onboarded new staff responsible for conducting the inventory, and ensuring data methodologies align for accurate emissions tracking. Action Tracking: To ensure departments remain accountable for actions in the City's climate strategies, 17 City departments now report updates and progress on 140 resilience actions quarterly, leveraging the Clearpath software already in use for tracking key performance indicators. ORS initiated this process in 2023 by documenting all actions in the City's three resilience strategies, assigning each action to a lead department, assigning a deadline for each action, and developing reporting requirements. ORS staff trained Performance Liaisons from each department on the details of each action and what information to report on. Quarterly reports are developed and are available for the City Manager's Office. Also notably, Miami received an A- on the 2023 Climate Disclosure Project (CDP) rating, released in November 2023. Over 1,100 cities reported to CDP, and reporting is performed annually.

Is equity being embedded into Mitigation Action #1? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. Ensure the inventory and/or goal setting document(s) is/are publicly available and is interpreted for commonly spoken languages in the municipality as well as screen-reader compatible. Build partnerships with community-based organizations, HOAs, and community-based forums to help define,

Q6. design, and advance the work as well as spread the word. Ensure an equity first framework, so that GHG emission reductions do not come at the expense of low income and/or communities of color. Use a Racial Equity Toolkit to consider impacts before taking on any project. Include stipends/payments for volunteers in your budget. Make sure budgeted meeting costs include childcare, meals, and/or interpretation services. Utilize multiple engagement methods, e.g. online and in-person. Utilize existing relationships with other municipal departments. Acknowledge that elderly and low-income populations are less likely to engage with online promotion. Utilize in-person outreach (flyers, canvassing, announcement at an existing meeting, radio stations, TV, flyers at churches or community center, etc.) for these groups.

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A Q7. Please provide a brief explanation of the ways in which you are embedding equity into Mitigation Action #1.

As part of the development of the Miami Forever Carbon Neutral Plan, the City of Miami held a series of meetings to educate residents on the City-specific risks associated with climate change and solicit input on objectives that should be prioritized in the strategy. The City tracked neighborhood representation through virtual engagements (Zoom meetings and online survey) to see which neighborhoods and demographics were not being reached. Once public meetings were complete, community leaders were reached out in underrepresented areas to set up additional tailored meetings. In addition, the City of Miami collaborated with local community-based organizations (CBOs) including Overtown Community Champions and Catalyst Miami to solicit feedback, mobilize resident input, and define "climate justice" and "climate justice communities." The definition provided by these CBOs was then used to assess the potential impacts of each plan element to identify climate justice communities. All of City of Miami's greenhouse gas inventories are available on the City's website and the PDF documents are 508 compliant.

Q8. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only.

Q8 a. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only:

Miami-Forever-Carbon-Neutral-FULL.pdf

Q8 b. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only:

(Did not answer)

Q8 c. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only:

(Did not answer)

Q8 d. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only:

(Did not answer)

Q8 e. Please provide any supporting documents under Mitigation Action #1. Max upload of five (5) files only:

(Did not answer)

☒ Q9. Please indicate as to why you've been unable to advance activities related to Mitigation Action #1? Please select all that apply. *Skipped due to logic* ▶

☐ Q10. What resources could assist you in advancing this action? *Skipped due to logic* ▶

☒ Q11. Describe the progress your local/tribal government has made related to Mitigation Action #2. Please select all that apply. ▲

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

☐ Q12. Provide a brief description of the work you are advancing related to Mitigation Action #2. This is not meant to be an exhaustive list, but rather a list of the most impactful actions. ▲

Benchmarking Policy: In 2023 the City of Miami's Building Efficiency Program (BE305) kicked off its initial year of compliance. Buildings over 200,000 sq. ft. were required to comply by June 30, 2023, and buildings between 100,000 – 199,999 sq. ft. were required to comply by October 1, 2023. Building owners and property managers are required to report their energy and water use data publicly. The City engaged Touchstone IQ for technical assistance with data tracking/reporting and managing outreach to building owners. At the end of the 2023 reporting period, buildings over 200,000 sq. ft. had a total of 133 buildings or 34% in compliance. Buildings between 100,000 – 199,999 sq. ft. saw a total of 61 buildings or 26% in compliance. Initial compliance rates for municipalities in their first year of benchmarking tend to see compliance rates between 15% - 25%. City Facilities: The City of Miami benchmarks all City-owned buildings regardless of size and plans to have over 80 of those buildings completed by the end of 2024. Two City of Miami facilities that already benchmark, community centers in Charles Hadley Park and Bryan Park, were recognized in Miami-Dade County's voluntary BE305 Challenge for their achievements in reducing energy and water consumption over the past year. Additionally, the City has also been pursuing energy efficiency in the right-of-way and has been working with FPL to upgrade streetlights to LED fixtures. As of March 2023, 97% of streetlights had been converted. A new LEED Gold Administrative building is in the design process. Public Education: In addition to our own facilities, the City partnered with local non-profit Dream in Green to conduct five WE-LAB (Water and Energy Learning and Behavior) workshops to educate the public about low and no-cost ways they can reduce energy and water use and reduce utility bills.

☐ Q13. Is equity being embedded into Mitigation Action #2? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. Engage communities most impacted by energy inefficiency in planning and prioritizing community projects/action Develop partnerships with community members or organizations to help track energy efficiency data and prioritize improvements Involve the people most impacted by energy inefficiency, build relationships, and co-create path forward Commit municipal savings from solar and energy efficiency being reinvested in wealth-building initiatives in disinvested communities Ensure policies/permits for energy saving installations (green roofs, rooftop solar, storm hardening) are feasible, and if possible expedited and fee-free Allocate funds annually to pay for outreach campaigns to ensure all communities are aware of energy efficiency programs and assistance Work with local community-based organizations to be an education partner on energy efficiency behaviors and techniques/installations ▲

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☐ Q14. Please provide a brief explanation of the ways in which you are embedding equity into Mitigation Action #2. ▲

Building owners and property managers are required to use the Energy Star Portfolio Manager, a publicly available tool, for energy efficiency assessments. Touchstone IQ developed the www.benchmark305.com website, that can be translated into Spanish and Haitian Creole, offering resources, FAQs, and a platform for submitting benchmarking reports. Resource documents were also translated to Haitian Creole and Spanish to allow building owners in all areas of the City to learn about the benchmarking process. The City conducted a series of 17 virtual training courses in 2023, covering program background, compliance deadlines, and application demos, with plans for annual sessions. This training is ongoing and open to all members of the public. Touchstone IQ also manages a benchmarking help desk, responding to 247 phone calls and 2,058 emails in 2023, offering personalized support which included Spanish-speaking consultants. Those required to comply with the ordinance received physical mailers and even hand-delivered letters to ensure they were aware of program specifics. One component of the BE305 program is that benchmarking data is made publicly available. This empowers building owners, potential renters, and investors to make informed decisions based on building performance. For the WE-LAB workshops, to ensure equitable access to energy and water conservation education, we provided Spanish and Haitian Creole translators, thus empowering all community members to reduce utility costs.



Q15. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.

Q15 a. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.:

2023 BE305 Annual Report - Final.pdf

Q15 b. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.:

Miami Building Efficiency Program _ Miami BE305.pdf

Q15 c. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.:

BE305 Ordinance_ARTICLE_XII____BUILDING_ENERGY_AND_WATER_CONSUMPTION_BENCHMARKING_AND_RETUNING.docx

Q15 d. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.:

(Did not answer)

Q15 e. Please provide any supporting documents under Mitigation Action #2. Max upload of five (5) files only.:

(Did not answer)



Q16. Please indicate as to why you've been unable to advance activities related to Mitigation Action #2? Please select all that apply. *Skipped due to logic*



Q17. What resources could assist you in advancing this action? *Skipped due to logic*



Q18. Describe the progress your local/tribal government has made related to Mitigation Action #3. Please select all that apply.

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).



Q19. Provide a brief description of the work you are advancing related to Mitigation Action #3. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Municipal Solar: The Department of Parks and Recreation has worked with Florida Power and Light (FPL) utility to install solar trees at parks Citywide and a large array at Bayfront Park. As of September 2023, the total capacity of the installations is 313 KW. The Office of Resilience and Sustainability (ORS) provided research and briefing materials to City leadership to join FPL Solar Together, for the City to offset 45% of our electricity use with solar energy. The City joined SolarTogether in 2024. Lastly, the design for the City's new administrative building includes solar arrays on the roof of the building and parking garage. Permitting: In 2023, the Building Department issued 145 solar permits and made efforts to improve the process for waiving building permit fees and expediting permits related to the installation of solar panels for both commercial and residential properties. Staff are responsible for expediting permitting for all solar PV installations, ensuring PV permits are issued within three days. Staff met with representatives from SolarApp+ but ultimately decided to address process improvements using other methods. SolarApp+ is a collaborative effort from the National Renewable Energy Laboratory (NREL) along with key code officials and the solar industry to develop standardized plan review software that can run

compliance checks and process building permit approvals for eligible rooftop solar systems. Financing: The City has developed a Solar webpage that provides information on Property Assessed Clean Energy (PACE) financing and Solar and Energy Loan Fund (SELF) loans to encourage solar adoption. The City also promotes solar co-operative opportunities, when available via Solar United Neighbors, through our website and supportive communications. Additionally, the City applied for a Climate Pollution Reduction Grant to fund a program that would provide funding for low-income multifamily buildings to install rooftop solar.



Q20. Is equity being embedded into Mitigation Action #3? Please indicate your progress toward embedding equity in this action with “1” indicating no progress and “5” indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. The municipality should model best practices regarding solar energy i.e. identifying which parks, public places, or schools currently utilize or plan to utilize solar energy. Record the savings before and after installation Include community leaders and members in program design Consider ways renters can reap benefits of solar, e.g. community solar projects Solar permitting should be expedited and fee-free Devote money/personnel to support and promote solar co-ops Provide education on lower cost ways for residents to go solar, such as SolarTogether and existing solar co-ops ▲

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Q21. Please provide a brief explanation of the ways in which you are embedding equity into Mitigation Action #3. ▲

Through an ordinance the City waives building permitting fees related to rooftop solar installation for both commercial and residential properties. The City's permitting software, ePlan, has a unique permit type for solar PV and automatically removes permit fees from these applications. Additionally, the City is making strides to reduce barriers and make solar more accessible to all. Currently, the City is working towards achieving SolSmart designation. The SolSmart program provides no-cost technical assistance to help local governments follow national best practices to expand solar energy use in jurisdictions. One of SolSmart's biggest efforts is to further the goals of the federal Justice40 initiative to provide equitable opportunities for underserved communities. ORS worked on compiling the requirements for the program over the past year and is currently in the process of completing some of its remaining tasks to reach the point threshold for Silver designation. Some key actions the City will be taking include developing a zoning determination letter that clarifies that accessory use solar is an allowed or by-right use in all major ones as well as training City staff in the Department of Building, Department of Planning, and Department of Zoning to ensure permit technicians and inspectors are up to date on new procedures, codes, and products within the solar industry.



Q22. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only. ▲

Q22 a. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only.:

Solar Energy - Miami.pdf

Q22 b. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only.:

(Did not answer)

Q22 c. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only.:

(Did not answer)

Q22 d. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only.:

(Did not answer)

Q22 e. Please provide any supporting documents under Mitigation Action #3. Max upload of five (5) files only.:

(Did not answer)



Q23. Please indicate as to why you've been unable to advance activities related to Mitigation Action #3? Please select all that apply. *Skipped due to logic* ▶



Q24. What resources could assist you in advancing this action? *Skipped due to logic* ▶

☒ **Q25. Describe the progress your local/tribal government has made related to Mitigation Action #4. Please select all that apply.**

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

A **Q26. Provide a brief description of the work you are advancing related to Mitigation Action #4. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.**

Public Charging Stations: The Miami Forever Carbon Neutral Plan set a goal aiming for 40% of registered passenger vehicles to be electric by 2035. In November 2020, Ordinance 13943 mandates that 20% of new parking spaces to meet EV Capable standards. Partnering with Florida Power and Light (FPL), the City will install Level 3 DC Fast Chargers throughout the City via FPL's "EVolution" program at selected City parks and parking lots/garages, accessible 24/7 for public use. The Office of Resilience and Sustainability (ORS) collaborated with multiple city departments and FPL throughout 2023 to finalize agreements for the program. The City hopes to continue to expand the public charging station network and plans to apply for grants in 2024. In 2023, the Building Department created specific permitting categories for EV chargers in ePlan and created a process to expedite these permits. Fleet: The City aims to electrify the administrative fleet, including trolleys, by 2035. In May 2023, the Department of Resilience and Public Works launched a Trolley Fleet Efficiency Study, partly funded by a grant from Miami-Dade Transportation Planning Organization (TPO), to examine ways to make the trolley program more efficient and reduce carbon emissions from the program. Through the Department of Energy's Energy Efficiency and Conservation Block Grant (EECBG) Program, the City of Miami will receive a formula grant in the amount of \$477,720 to purchase electric vehicles along with their charging infrastructure. This project will demonstrate the feasibility of integrating electric vehicles into the City operations, supporting the broader goal of fleet electrification. Coordination: To build buy-in for both public and private EV initiatives, ORS established an internal EV Taskforce team that meets monthly to discuss policy, data needs, and grants.

Q27. Is equity being embedded into Mitigation Action #4? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. Involve the community in evaluation of this action's progress. Evaluate how low-income and/or communities of color access mobility and their relative air pollution exposure burden, and utilize this information to inform any EV strategy for the municipality. Offer technical assistance to community groups working to advance this goal. Offer streamlined permitting, lower to no fees, and other incentives for EV charging projects. Analyze fuel and maintenance savings from EV switch and use the savings to create a charger fund. Meetings/workshops for education/outreach should take place at a variety of times, including evenings, offer food and childcare to reduce barriers to attendance and participation. The meetings should be advertised by a community-based communications and outreach consultant/partner who is from the targeted community(ies). The advertising efforts should include a variety of mediums and start at least a week prior to the meeting. The communications/outreach consultant should reach at least 300 people in advertising for the meeting.

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A **Q28. Please provide a brief explanation of the ways in which you are embedding equity into Mitigation Action #4.**

Public Charging Stations: The City of Miami actively collaborates with Florida Power and Light (FPL) on their EVolution initiative which funds capital costs of DC Fast (Level 3) electric vehicle chargers in cities in their service area to spur adoption of electric vehicles. Various City departments, including the Department of Resilience and Public Works, Department of Building, Department of Parks and Recreation, Department of Planning, Department of Housing and Community Development, Office of Resilience and Sustainability, General Services Administration, and the Miami Parking Authority worked together to propose charger locations based on specific criteria, including City-owned properties and lots, alignment with proposed Resilience Hub locations, addresses gaps in existing charging infrastructure (using Chargepoint map as reference), location near highly trafficked roads/highways, and consideration of neighborhoods lacking private EV chargers or where private developers may not seek to invest in the near-term. Additionally, the City is prioritizing underserved and disadvantaged communities in considering submitting an application in the second round of the U.S. DOT/DOE Charging and Fueling Infrastructure Grant Program, aiming to strategically deploy charging infrastructure in publicly accessible locations within underserved communities, further enhancing equity in EV adoption and accessibility. Fleet: Through the EECBG Program, the City will be promoting workforce development by allocating grant funds to train and certify current maintenance mechanics to improve their technical knowledge in diagnosing, servicing, and repairing high voltage EVs.

Q29. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.

Q29 a. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.:

Miami 21 EV Zoning Code Ordinance.pdf

Q29 b. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.:

(Did not answer)

Q29 c. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.:

(Did not answer)

Q29 d. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.:

(Did not answer)

Q29 e. Please provide any supporting documents under Mitigation Action #4. Max upload of fives (5) files only.:

(Did not answer)

☒ Q30. Please indicate as to why you've been unable to advance activities related to Mitigation Action #4? Please select all that apply. *Skipped due to logic* ▶

☐ Q31. What resources could assist you in advancing this action? *Skipped due to logic* ▶

☒ Q32. Describe the progress your local/tribal government has made related to Mitigation Action #5. Please select all that apply. ▲

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

☐ Q33. Provide a brief description of the work you are advancing related to Mitigation Action #5. This is not meant to be an exhaustive list, but rather a list of the most impactful actions. ▲



Public Transit: In May 2023, the Department of Resilience and Public Works launched a Trolley Fleet Efficiency Study to optimize efficiency and reduce carbon emissions. Key strategies include developing a process and timeline for electrifying the trolley fleet by 2035 and improving the trolley system's user interface through updates. The City continues to operate a free trolley system with 13 routes throughout the City. The Miami Parking Authority also offers free short distance rides via Freebee, an electric ride-sharing service in the urban core of downtown Miami and Coconut Grove. Bike/Ped: The Department of Resilience and Public Works updated the Bicycle Master Plan in 2023 (pending City Commission approval). Miami's operational Citi Bike program provides city-wide bike-sharing. The City Commission approved the Reimagine Parks Miami Master Plan in July 2023 which includes recommendations for development of bicycle and pedestrian connectors. The City has seen investment in high-quality bike/ped pathways with Miami-Dade County installing protected bike lanes in downtown Miami, the completion of Phase 2 of The Underline, and the City securing \$60 million from U.S. DOT for the I-395 Graham Greenway/Underdeck, to reconnect underserved communities that were displaced when the Interstate was built. Planning: In February 2023, the City Commission amended Ordinance No. 14149 to provide parking flexibility, by reducing the parking ratio, in Opportunity Zones intersecting with transit-oriented developed zones. The Reimagine Parks Master Plan includes a land acquisition strategy to expand Miami's park space from 7% to 15% and ensure all residents are within a 10-minute walk from a green space. Commute: The City has continued its hybrid telework program (2 days a week remote work option), reducing vehicle emissions from employee commuting. All Building department inspection routes commence from the nearest point, rather than the City administration building.

☐ Q34. Is equity being embedded into Mitigation Action #5? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. Meaningfully include community members who rely on public transit as a primary form of transportation at the decision-making table when it comes to accessing mobility needs and planning future changes/improvements To encourage adoption of working from home to reduce overall VMT, partner with telecommunications company to ensure there is access throughout the municipality to high-speed internet and that communities are not left behind in the digital divide Develop codes or policies encouraging the use of pedestrian-friendly planning options like complete streets and parks no less than 'x' miles from every home Ensure annual budget allocation to maintain sidewalks and build them where they don't exist to connect low-income communities or communities of color to transit stops Host listening sessions, focus groups, and workshops to understand what is and isn't working. Prioritize riders but also those that are unable to use public transit to understand obstacles to ridership Build programs around these solutions and include transit workers in these discussions ▲

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☐ Q35. Please provide a brief explanation of the ways in which you are embedding equity into Mitigation Action #5. ▲

Public Transit: The City offers numerous free public transit options including a Citywide free trolley system, the free Metromover in Downtown (operated by Miami-Dade County), and the Freebee. The free trolley system, with 13 routes, provides over 4 million rides annually, supplementing the County operated bus system. Efforts are underway to improve connections between the trolley and bus systems for easier access. The development of the I-395 Underdeck and Heritage Trail has been an equity centered process that aims to address prior harm done to the Overtown community wherein over 15,000 residents were displaced and 40 blocks of housing and commercial businesses were demolished when I-95 and I-395 were initially built. As FDOT rebuilds the I-395 highway and Signature Bridge, this project seeks to invest in the Overtown community and create a bikeable and walkable linear park that further connects Overtown to the downtown Central Business District and create economic opportunities. Throughout the development of the plan and design, the City worked with 5 community working groups to ensure the concerns of the community were accounted for as the project progressed. This community input was considered in officially naming the area Graham Greenway in 2024, after the influential community leader Reverend Edward T. Graham.

 Q36. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only. 

Q36 a. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only.:

City of Miami Trolley Efficiency Report.pdf

Q36 b. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only.:

Trolley Efficiency PPT 12-14-2023.pdf

Q36 c. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only.:

Bicycle Master Plan Presentation.pdf

Q36 d. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only.:


Ordinance 14149 - Opportunity Zones.pdf

Q36 e. Please provide any supporting documents under Mitigation Action #5. Max upload of five (5) PDFs only.:

(Did not answer)


☒ Q37. Please indicate as to why you've been unable to advance activities related to Mitigation Action #5? Please select *Skipped due to logic* 

☐ Q38. What resources could assist you in advancing this action? *Skipped due to logic* 

☒ Q39. Describe the progress your local/tribal government has made related to Adaptation Action #1. Please select all that apply. This should include identifying potential staff and financial resources/capacity. In some cases, staff/resources may already be supporting activities and projects that help support and advance adaptation/resilience, but not identified as such. Should sufficient internal capacity not exist, seek support from your county, other municipalities, and other potential partners and develop a plan for how your city will prioritize capacity for adaptation/resilience-building work. 

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

☐ Q40. Provide a brief description of the work you are advancing related to Adaptation Action #1. This is not meant to be an exhaustive list, but rather a list of the most impactful actions. 

Planning: In April 2023, the Department of Resilience and Public Works (RPW) formulated a Flooding Action Plan per resolution 23-0181. This plan entails increasing maintenance frequency of the stormwater system to a 2-year cycle in critical areas to enhance flood preparedness. Simultaneously, the Building Department is preparing for a drainage recertification program by reviewing and flagging development records which will inform staff needs. New Hires: To bolster inspection and maintenance efforts, RPW expedited hiring, adding 3 Automotive Equipment Operator III positions and 2 technician roles for inlet cleaning inspections using vacator trucks. They also expanded the contractor's capacity for inlet cleaning. An additional contractor was added to the inlet cleaning contract to expand capacity and availability. The Building Department hired 35 additional staff to oversee

Building Structure Recertification and expanded divisions for Environmental Protection, Homeowners Assistance Program, and the Concierge Program. Five positions are proposed for monitoring public benefits compliance in developments. Training: The Office of Resilience and Sustainability (ORS) facilitated training for employees to obtain Waterfront Edge Design Guidelines (WEDG) certified and take a course on implementation of Living Shorelines. Strategic memberships held by the Department of Building in organizations such as the U.S. Green Building Council (USGBC) and the Association of State Floodplain Managers (ASFPM) reflect ongoing commitment to resilience. Reporting: Engagement with City departments during Miami's climate adaptation plan and greenhouse gas reduction plan, ensured clear roles and expectations. Lead departments are identifying funding and staffing needs for carbon mitigation actions, supported by Clearpath software for progress tracking. Miami received an A- on the 2023 Climate Disclosure Project (CDP) annual report, underscoring its commitment to annual climate reporting.

Is equity being embedded into Adaptation Action #1? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Assess the capacity to include equity considerations, including community engagement & outreach. Assessment includes consideration of how well prepared the community is to advance adaptation initiatives in more vulnerable/disinvested communities. Assess agency understanding of inequity and historic environmental wrongs in the community (and how inequities may be exacerbated by government practices/policies). Provide training for staff, emphasizing the importance of correcting these issues and avoiding further harms in the future. Assess areas of the municipality that have been disinvested or are low-income. Staff has worked to build and maintain relationships and trust with community-based organizations, key thought leaders, and residents in the areas of the municipality which have been disinvested. Assess and collaborate with Departments that provide/direct social services to residents or that work on equity as adaptation partners.

2

A Q42. Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action?

Planning: The City worked with a non-profit partner to define Climate Justice Communities so the City could prioritize those neighborhoods for climate resilience initiatives. City staff continually cross-reference Climate Justice Communities and the climate actions that are being implemented. The City is also aware of which Census Tracts are considered low-to-moderate income (LMI) and therefore eligible for Justice40 considerations for federal grants. City staff have learned to use new tools like CEJST in developing grant proposals. To facilitate un-siloed conversation and sharing of resources, the Chief Resilience Officer chairs a monthly Resilience Action Group meeting comprised of department directors involved in resilience actions. This ensures multiple perspectives are integrated into the planning and implementation of resilience projects Citywide. The Homeowner's Assistance Program travels to homes of the disabled, elderly, and veterans to assist in the permitting process. The Concierge Program also ensures the timely permitting for City infrastructure and affordable housing.

Q43. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.

Q43 a. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.:

Miami Forever Carbon Neutral Appendix C.pdf

Q43 b. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.:

Miami-Forever Carbon Neutral Plan.pdf

Q43 c. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.:

miami-forever-climate-ready-2020-strategy.pdf

Q43 d. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.:

City of Miami_Flooding Hot Spots_Action Plan_May 2023.pdf

Q43 e. Please provide any supporting documents under Adaptation Priority Action #1. Max upload of five (5) files only.:

(Did not answer)

Q44. Please indicate as to why you've been unable to make progress in Adaptation Action #1? Select all that apply.

Skipped due to logic

A Q45. What resources could assist you in advancing this action?

Skipped due to logic

- ☒ **Q46.** Describe the progress your local/tribal government has made related to Adaptation Action #2. Please select all that apply. Conduct vulnerability analysis of hazards related to climate change including, but not limited to, sea level rise, tidal flooding, saltwater intrusion, extreme weather, heat. The analysis should assess exposure and sensitivity of various assets including, but not limited to critical infrastructure, communities/populations, historic/cultural assets, transportation, natural resources, and economic assets. Assessment should seek to identify what factors contribute to elevated exposure and sensitivity, and what physical, social, institutional, human, and financial capacities exist to adapt, and where there are gaps. ▲

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

- A** **Q47.** Provide a brief description of the work you are advancing related to Adaptation Action #2. This is not meant to be an exhaustive list, but rather a list of the most impactful actions. ▲

Flooding: In response to the 2021 Florida legislature's requirement for local governments to conduct a Vulnerability Assessment, defined in Section 380.093, Florida Statute (F.S.), the City of Miami applied for and received a \$197,574.81 grant from Florida Department of Environmental Protection via the Resilient Florida program to assist with conducting the required assessment. Our 2021 Stormwater Master Plan (SWMP) Update modeled flooding vulnerability Citywide and determined stormwater infrastructure needs, but it did not identify and assess critical facilities as specified in the s. 380.093, F.S. In 2023, the City began developing the City of Miami Critical Facilities and Assets Vulnerability Assessment which will outline the critical facilities and assets that are needed to 1) determine the impacts of current and future flood risks on these facilities, 2) understand community needs as they relate to critical facilities and assets being able to function under various flood conditions, and 3) develop a process for ensuring that retrofitted and new facilities withstand future climate impacts. Heat: City of Miami partnered with the CAPA Strategies Heatwatch program to engage citizen scientists, collect ambient heat data, and generate a Citywide GIS heatmap. The CAPA Heatwatch study was completed in summer 2020. In 2023, the Fire Department, Division of Emergency Management finalized a Memorandum of Understanding with Florida International University to deploy button sensors at selected fire stations to provide additional point data. Economic: The Office of Resilience and Sustainability's (ORS) FY 23-24 budget included funds to develop a Resilience Economic Assessment. ORS is in the process of bringing on a consultant to conduct an assessment of the City's economic risks due to climate hazards and assess the value of investments vs inaction.

- Q48.** Is equity being embedded into Adaptation Action #2? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Consider all properties, people, and communities equally in the Vulnerability Analysis or Assessment. The methodology should not prioritize or focus on areas with higher taxable value. If study scope includes proposing adaptation strategies, those strategies considered should be prioritized based on potential to reduce risk to human life and other key indicators based on community members' experiences. Include opportunities for meaningful community input as part of the vulnerability analysis process. Use community feedback and information based on stakeholder experiences in the data analysis. Incorporate community feedback via asset-mapping exercises, seek assistance with prioritizing/ weighing criteria for the vulnerability assessment, ground-truth the findings of the analysis, etc. Include a social vulnerability assessment as part of the overall vulnerability assessment. At minimum, Federal SOVI or SVI maps can be used, but ideally the assessment should be rooted in the community itself. Depending on the type of project, the following social factors may be relevant to include in your analysis: redlining, low- and moderate-income populations, energy burden, rent/cost of living burden, language spoken at home, vehicles per household, elderly residents, average year built of housing, and tree canopy, among others. Include an assessment of organizations in the community that may help advance the municipality's adaptive capacity, or organizations which will help communicate with populations frequently unengaged by government. ▲

3

- A** **Q49.** Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action? ▲

Flooding: To facilitate development of the City of Miami Critical Facilities and Assets Vulnerability Assessment, ORS conducted community engagement meetings across the City's 5 districts in October 2023 to ensure diverse perspectives were captured. The goals of engagement were two-fold: to prioritize community needs in adaptation planning and to foster trust and collaboration between local government and community stakeholders. These meetings aimed to centralize community needs in sea level rise adaptation planning and identify vital community assets (places that are important to community members and that they would like to see preserved) for preservation. In addition to this, we reviewed existing community plans to understand community perspectives and sentiments, engaged key stakeholders to understand diverse community perspectives, and hosted hybrid/in-person meetings to identify the types of assets that are valued or that residents rely on for emergencies and for education/networking etc. It also explored flooding impacts caused by sea level rise and intense storms that residents are currently experiencing and ways they are coping. To broaden participation and collect diverse feedback, virtual content (3-minute video providing an overview of the project and ways for community members to provide feedback), interactive mapping platforms and surveys were utilized, and hardcopy surveys were provided at an in-person meeting in a Climate Justice Community attended by elderly residents. Meeting flyers were developed in English, Spanish, and Haitian Creole. Lastly, our vulnerability assessment integrated a "Consequence" rating into scoring which integrated the value of the asset to the community and was informed by public feedback.

- Q50.** Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only. ▲

Q50 a. Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only: ▲

Florida legislature added a requirement for local governments to conduct a Vulnerability Assessment.pdf

Q50 b. Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only.:

OSF _ Summary Report_Heat Watch Miami_092120.pdf

Q50 c. Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only.:

(Did not answer)

Q50 d. Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only.:

(Did not answer)

Q50 e. Please provide any supporting documents under Adaptation Priority Action #2. Max upload of five (5) files only.:

(Did not answer)

☒ **Q51. Please indicate as to why you've been unable to make progress in Adaptation Action #2? Select all that apply.** *Skipped due to logic* ▶

☐ **Q52. What resources could assist you in advancing this action?** *Skipped due to logic* ▶

☒ **Q53. Describe the progress your local/tribal government has made related to Adaptation Action #3. Please select all that apply.** ▲

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

☐ **Q54. Provide a brief description of the work you are advancing related to Adaptation Action #3. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.** ▲

Miami Forever Climate Ready: The Miami Forever Climate Ready plan identifies the principal climate-related risks faced by the state of Florida as sea level rise flooding, extreme rainfall, storms, and heat. The adaptation goals of the plan were centered around these projected climate risks. The plan incorporates local estimates of 21-40 inches of sea level rise by 2070. Stormwater Master Plan: The City completed an update to the Stormwater Master Plan (SWMP) in 2021, a comprehensive assessment of the City's roads, drainage infrastructure, and water management features to identify improvements needed to address capacity and flooding issues. On March 14, 2024, the City of Miami Commission approved a final version of the Citywide Stormwater Master Plan which identifies 25 priority flood prevention projects which the City has secured funding for 12 projects via the Miami Forever Bond and grants. The City will seek funding for the remaining priority projects via grants and other local funding. Based on recommendations from the Stormwater Master Plan, other sea level rise improvement projects have been incorporated in the Capital plans, including raising seawalls, installation of tidal back-flow valves, installation of pump station telemetry system, and pump station upgrades. Through the diligent efforts of the Department of Resilience and Public Works, Office of Capital Improvements, and Office of Management and Budget, the Construction Review and Synchronization Process is utilized to prioritize and sequence City Capital projects. Extreme Heat Season Plan: In response to the extreme heat Miami experienced during 2023, the City has developed a Draft Extreme Heat Season Plan that outlines actions related to shading, cooling, and initial design that can address ambient heat, especially during Heat Season (May 1 – October 31). The Plan includes a Heat Response Protocol with short-term actions to immediately address the acute symptoms of extreme heat.

- Is equity being embedded into Adaptation Action #3? Please indicate your progress toward embedding equity in this action with “1” indicating no progress and “5” indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Provide multiple benefits or co-benefits in disinvested communities based upon community input. Prioritize the solutions/resources in the Plan by their potential to reduce risk rather than by geography, property values, or income. Engage and collaborate with the community as part of the development of the Plan. Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities. Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of actions within that Plan on low-income disinvested communities, or communities of color. Ensure the toolkit for each action is made public for accountability and discussion. Develop metrics and milestones that are reported on publicly so the municipality can be held accountable. Set expectations with the community on the format and frequency of reporting. Ensure solutions sufficiently address all climate threats. Take into consideration how climate threats affect individuals and neighborhoods differently (based on various factors including social determinants of health). Include a mix of solutions including a mix of policy and capital projects. Capital projects should include a plan and budget for upkeep and maintenance. Include strategies that protect the lives and health of outdoor workers.

5 - Significant progress

Q56. Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action?

Miami Forever Climate Ready: In developing Miami Forever Climate Ready, our adaptation plan prioritized equity through inclusive engagement and equitable resource allocation. Recognizing disparities in digital literacy and accessibility, we held in-person meetings in lower-income neighborhoods with limited digital literacy, gathering input from over 160 residents and businesses in multiple languages. Additionally, an online survey reached approximately 500 respondents, mainly from higher-income, digitally literate neighborhoods. Our engagement efforts included 8 expert workshops and community gatherings addressing diverse climate challenges. ORS staff provided dinners, language translations, and free childcare upon request. Stormwater Master Plan: A public information program and a community awareness and outreach plan was developed and implemented at the start of the project. Utilizing social media, interactive websites, and in-person meetings with neighborhood associations, we educated residents on stormwater and sea level rise. They were then provided the opportunity to place markers on maps identifying the notable flooding locations in their neighborhoods. This input was used for both verifying the models and applying the CIP elements for flood mitigation. Additional interactive workshops were held with the City's resiliency committee and the scientific community at-large in an Industry Experts' Workshop. This feedback contributes to prioritizing capital projects on an ongoing basis. Extreme Heat Season Plan: The City has created a website and online form facilitate public feedback until July 15, 2024. Available in English, Spanish, and Haitian Creole, the plan includes measures to mitigate heat impacts on outdoor workers and unhoused populations. Efforts are underway to expand outreach through partnerships with non-profit organizations. The Heat Event Protocol includes actions to reduce health impacts of heat to outdoor workers and unhoused populations.

Q57. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.

Q57 a. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.:

miami-forever-climate-ready-2020-strategy.pdf

Q57 b. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.:

Extreme-Heat-DRAFT-Plan-04-12-24-web.pdf

Q57 c. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.:

miami-stormwater-mp_11zon.pdf

Q57 d. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.:

(Did not answer)

Q57 e. Please provide any supporting documents under Adaptation Priority Action #3. Max upload of five (5) files only.:

(Did not answer)

Q58. Please indicate as to why you've been unable to make progress in Adaptation Action #3? Select all that apply.

Skipped due to logic ▶

Q59. What resources could assist you in advancing this action?

Skipped due to logic ▶

- ☒ **Q60.** Describe the progress your local/tribal government has made related to Adaptation Action #4. Please select all that apply. This may include comprehensive plans, housing initiatives, post-disaster redevelopment plans, stormwater management plans, transportation plans, and land development regulations, inclusive of low-impact development. Sea Level Rise projections should be included in all planning activities. ▲

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

- A** **Q61.** Provide a brief description of the work you are advancing related to Adaptation Action #4. This is not meant to be an exhaustive list, but rather a list of the most impactful actions. ▲

Comprehensive Plan: In 2023, the Department of Planning led an Evaluation & Appraisal Review (EAR) of the Miami Comprehensive Neighborhood Plan (MCNP), outlining Miami's vision through 2035 amidst current and future climate threats. The new MCNP took effect in May 2024. Resilient Waterfront Enhancement Plan: Funded by the National Fish and Wildlife Foundation, the City completed the Resilient Waterfront Enhancement Plan in June 2023. This plan offers various shoreline enhancement options and guides the City in financing, procuring, designing, permitting, constructing, and maintaining a nature-based waterfront design. King Tide Task Force: The City's Emergency Manager chairs an interdepartmental King Tide Action Group to coordinate flood mitigation actions. The group meets July through November and Division of Emergency Management (DEM) writes an After-Action Report. A SOP for responding to King Tide events was finalized in 2023. Community Preparedness: In FY 22-23, DEM provided 9 CERT training courses and trained 86 volunteers. In addition, DEM began a heat alert text service (text ALERTMIAMI to 888777) to notify residents of heat advisories or warnings from the National Weather Service. Resilience Hubs: As part of Resilient305, the City worked alongside Adrienne-Arsht Rockefeller Resilience Center to develop a Resilient Hub Network Strategy for Miami-Dade County that will outline physical criteria and operations guidelines to be used by municipalities developing resilience hubs. Efforts include upgrading resilience hubs like the Carrie P Meek Center at Charles Hadley Park in Liberty City and seeking funding for a new park building in Little Bahamas to serve as a resilience hub. Procurement: Procurement launched their FY 23-26 Emergency Management Procurement Strategic Plan to prepare proactively for purchasing needs during declared disasters. This plan adheres to federal requirements and supports small, local, minority-owned, and sustainable businesses.

- Q62.** Is equity being embedded into Adaptation Action #4? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan. Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities. Design and write the Plan to protect all communities equally and encourage risk reduction in areas most vulnerable to the impacts of climate change. The Plan also takes into account unintended consequences—such as gentrification—and provides solutions to mitigate/ diminish negative impacts posed by solutions. Include an equity statement and explicitly state how equity was included in the development of the Plan and how equity was integrated into the recommendations. For redevelopment-specific actions or plans, ensure they are designed to improve conditions and resilience for burdened or disinvested communities rather than restore them to their current condition. Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any Plan, policy, or budget decision on low-income disinvested communities, or communities of color. Ensure the toolkit for each policy/plan/budget decision is made public for accountability and discussion. List the affirmative steps made to incorporate and to include community input. Proactively consider equitable relocation strategies wherever it may be necessary. Include ways to minimize/eliminate displacement and incorporate equitable outcomes for existing communities in all relevant Plans. ▲

4

- A** **Q63.** Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action? ▲

Comprehensive Plan: To engage the public in the EAR process, the City created a project webpage, held 6 in-person meetings to collect feedback, hosted virtual information sessions, developed an online survey for feedback, and presented to multiple City Boards. Public meetings were advertised in English, Spanish, and Haitian Creole. A log of comments submitted by the public is available on the City website. Community Preparedness: Emergency alert texts are sent via SMS to ensure broader access to public safety information. Community Emergency Response Team (CERT) trainings are free and accessible to all community members across different geographical areas, fostering equity in disaster preparedness efforts. Resilience Hubs: Resilience Hubs are an equity-driven initiative with the intention of ensuring localized access to resilience information and resources. The planning initiative evaluated a location within Overtown, one of the City's Climate Justice Communities. The first Resilience Hub will be in Liberty City, also a Climate Justice Community and the planned new facility will be in Little Bahamas, also a Climate Justice Community.

- Q64.** Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only. ▲

Q64 a. Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only.:

MiamiWaterfront_Design Strategies_FINAL.pdf

Q64 b. Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only.:

Comprehensive Plan.pdf

Q64 c. Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only.:

King Tide SOP.xlsx

Q64 d. Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only.:

Resilience Hubs Guidance Document - Draft.docx

Q64 e. Please provide any supporting documents under Adaptation Priority Action #4. Max upload of five (5) files only.:

(Did not answer)

☒

Q65. Please indicate as to why you've been unable to make progress in Adaptation Action #4? Select all that apply.

Skipped due to logic ▶

☐

Q66. What resources could assist you in advancing this action?

Skipped due to logic ▶

☒

Describe the progress your local/tribal government has made related to Adaptation Action #5. Please select all that apply.This may include improving stormwater management practices, adopting urban heat policies, updating infrastructure standards, conducting remediation of contaminated sites , and updating building codes.

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

☐

Q68. Provide a brief description of the work you are advancing related to Adaptation Action #5. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Flooding: In January 2023, The City adopted Ordinance 14135, updating the Miami Comprehensive Neighborhood Plan to address the "Peril of Flood." The ordinance introduced the Adaptation Action Area and Neighborhood Planning. Additionally, Miami's 2024 Ordinance enhances flood prevention and drainage maintenance, safeguarding structures from storm surge and flash flooding. Freeboard Update: In October 2023, Ordinance 14228 adoption amends the zoning code to include additional height allowances and freeboard in the T3 transect. These changes are endorsed by the Planning Zoning and Appeals Board. Green Roofs: December 2023 Ordinance 14242 clarified "green roof" definitions, introducing an "intermediate level" definition, and clarifying configuration standards. This simplifies permitting and installation of intensive and extensive green roofs. Green Infrastructure in Stormwater Capital Projects: In March 2023, the City formulated procurement guidelines for stormwater projects integrating green infrastructure and developing an internal administrative policy to enforce its use. The June 2023 Resilient Waterfront Enhancement Plan guides the implementation of living shorelines in City parks and street-end projects. Assisted Living Facilities (ALF) and Nursing Home Generator Compliance: The City enforces the state and City (Chapter 10-130) requirement that ALFs have an emergency cooling generator. In 2023, 88% of ALFs complied. Stormwater Maintenance: The City provides Weekly Stormwater Systems Cleaning Reports per Resolution 22-0239 to City Commission, detailing stormwater drains that have been cleaned in the previous week across City districts. The City also reports street sweeping activities across the City in the previous week. Tree Canopy: Adoption (R-23-0338) of the Southwest Street Tree Master Plan aims to enhance the urban tree forest in Miami's southwestern area (spanning 6.7 sq miles) to combat heat island effect.

☐

Is equity being embedded into Adaptation Action #5? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress.Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities Ensure policy is written to protect all communities equally and that it encourages risk reduction in areas most vulnerable to the impacts of climate change. The policy should also take into account unintended consequences-such as gentrification- and provide solutions to mitigate/diminish negative impacts posed by solutions Policies are written to improve the resilience of disinvested communities Policies are written to ensure equal access to new or proposed technology (e.g. public EV charging locations) Policies are written to improve conditions for disinvested communities through stronger remediation requirements or stormwater considerations Ensure contamination is not a barrier to adaptation. Remediate past harms while working to adapt to future threats, and take those future threats (like flooding) into consideration when selecting clean-up alternatives. Apply for EPA Brownfields grants if funding is the major obstacle Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any policy on low-income disinvested communities or communities of color. Ensure the toolkit for each policy decision is made public for accountability and discussion

3

A Q70. Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action?

Peril of Flood: All coastal communities throughout the state of Florida are required to provide development and redevelopment principles, strategies, and engineering solutions that reduce the flood risk in coastal areas that result from high-tide events, storm surge, flash floods, stormwater runoff, and the related impacts of sea-level rise in their comprehensive plans. This language directs the City to consider the risks to human life and public safety from activities within the Coastal High Hazard Area and utilization of future sea level rise scenarios to inform future land use, development, and public investments. Green Infrastructure: Increased utilization of green infrastructure helps mitigate flood impacts and decreases the severity of urban heat islands. Development of the Green Infrastructure in Stormwater policy was recommended to the City Commission by the Climate Resilience Committee. This committee has a member with experience in advocating for vulnerable low-income communities. Assisted Living Facilities (ALFs) and Nursing Homes: Since 2021, the Department of Building has been completing yearly inspections of ALFs and Nursing Homes, ensuring they comply with Chapter 10-130 of the City Code and Florida Administrative Code 59A-36.025. This requirement is to ensure that not only there is emergency backup power, but that power is sufficient to cool a space, which all the residents can be in, under 81 degrees for 96 hours. Last year, the City escalated enforcement by bringing all of those out of compliance to the Code Enforcement board. It is critical to public safety for the City to ensure that ALFs are in compliance with state requirements to have emergency generators. The elderly are a high-risk population for health impacts for extreme heat.

Q71. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.

Q71 a. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.:

Freeboard - Ordinance 14228.pdf

Q71 b. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.:

Green Roof Ordinance.pdf

Q71 c. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.:

Chapter 20 Ordinance.pdf

Q71 d. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.:

Peril of Flood Ordinance.pdf

Q71 e. Please provide any supporting documents under Adaptation Priority Action #5. Max upload of five (5) files only.:

Green and Nature-Based Stormwater Infrastructure- Solicitation Language and Scoring Criteria.docx

✓ Q72. Please indicate as to why you've been unable to make progress in Adaptation Action #5? Select all that apply.

Skipped due to logic

A Q73. What resources could assist you in advancing this action?

Skipped due to logic

✓ Q74. Describe the progress your local/tribal government has made related to Adaptation Action #6. Please select all that apply. This may include living shorelines, water infrastructure, resilience hubs, parks & open spaces, urban greening, tidal valves, pump stations, road/bridge elevation.

In the past several years we have advanced/completed work related to this priority action that is still relevant today.

We actively advanced activities related to this priority action in this reporting year (CY 2023).

A Q75. Provide a brief description of the work you are advancing related to Adaptation Action #6. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Miami Forever Bond: City of Miami's \$400 million General Obligation Bond, known as the Miami Forever Bond, funds resilience projects related to sea-level rise and flood prevention, affordable housing, parks, cultural facilities, roadway improvements, and public safety. In FY 22-23, Bond funds supported 33 capital projects. Resilience Hubs: Currently, the City has 2 resilience hubs projects underway: a new community facility to be built at Armbrister Park and a facilities improvement at Hadley Park. The Armbrister Park facility is at 100% Design and the Hadley Park project, funded by a CDBG-MIT Critical Facilities grant by Florida Commerce, is about to go to procurement, with plans for Category 5 windows and doors, charging stations, and improved WiFi. Living Shorelines: Ongoing pilot projects such as the Brickell Bay Drive linear park, José Martí Park redesign, and Morningside Park living shoreline exemplify the City's commitment to nature-based solutions. In June 2023, the Jose Marti Park Adaptive Redesign achieved Waterfront Edge Design Guidelines (WEDG) Verification, marking it as Florida's first WEDG Verified project. Stormwater Infrastructure: In 2023, the Department of Resilience and Public Works (RPW) installed 8,608 feet of pipes, completed 22 stormwater drainage projects, and maintained 13 stormwater pump stations. New localized drainage improvements projects (36) and minor drainage repairs were completed with a construction cost of approximately \$5 million. With funding from sources from the Miami Forever Bond and grants, RPW is managing design and construction of 12 drainage projects totaling ~\$260 million. Homeownership Preservation Program: The City's Homeownership Preservation Program (HPP), funded by the Miami Forever Bond, provides up to \$70,000 in rehabilitation assistance for exterior repairs like roofs, replacement of windows or doors, and/or installation of hurricane shutters. In 2023, there were 20 contract approved homes under construction.

Is equity being embedded into Adaptation Action #6? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan. Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities. Capital projects benefit all community members equally. Low-income disinvested communities, or communities of color are prioritized (i.e. for green spaces, resilience hubs, parks etc.) Prioritize resilience capital projects by the potential to reduce risk to human life and critical infrastructure rather than based on income or tax value. Display resilience capital projects on a map with underlying layers showing demographics such as race, income, etc. to visually show that investments are not only being made to benefit high-tax value and/or waterfront properties. This map should also speak to the amount of investment in different parts of the municipality, including disinvested areas. Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any capital project on low-income, disinvested communities, or communities of color. Ensure the toolkit for each project is made public for accountability and discussion. Ensure capital projects also take into account unintended consequences such as gentrification and provide solutions to mitigate/diminish negative impacts posed by solutions. Ensure the burden of public funding for capital projects is equitable across communities. Include a plan for upkeep and maintenance for any capital project. List the affirmative acts of community outreach.

4

Q77. Please provide a brief explanation of the ways in which you are embedding equity into this adaptation action?

Miami Forever Bond: The City has been engaging, informing, and updating the public about the Miami Forever Bond program and Stormwater Master Plan through different events and services such as community meetings during the planning and design process as well as workshops, board meetings, ground breakings, ribbon cuttings and other support services (ballots, surveys, warrant, notices) to build trust and get feedback from the community. In FY 22-23 the City held 34 Community meetings, 2 workshops, 15 Board meetings, 5 groundbreakings, 5 ribbon cuttings, and 3 support services. Resilience Hubs: The two ongoing projects are within defined Climate Justice Communities within the City. These projects will ensure that residents in Climate Justice Communities have access to information and communications support after a disaster and a clear location in which to receive assistance from government entities. Living Shorelines: Jose Marti Park, located in the Little Havana neighborhood, has an average of 51.8% that live below 150% of the poverty level, the average unemployment rate is 6.3%, and 90.7% of the residents are minorities. Stormwater Infrastructure: The City ensures equitable distribution of resources across its 5 districts, considering both coastal areas higher exposure to flooding and non-coastal areas with low-to-moderate income that grapple with flooding challenges. Geographic spread of projects is informed by data on storm surge risk, history of flooding, and projects sea level rise ensuring interventions are targeted where they are most needed. A priority project list for the Stormwater Master Plan was developed using these criteria. Homeownership Preservation Program: This program is only available to single-family homes up to 140% AMI. The main goals of this program are life safety, prevention of displacement, and maintenance of naturally occurring affordable housing. The HPP is one tool the City of Miami is using to address displacement and gentrification.

Q78. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only.

Q78 a. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only:

WEDG_Case_Study_JoseMartiParkProject_060123.pdf

Q78 b. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only:

(Did not answer)

Q78 c. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only:

(Did not answer)

Q78 d. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only:

(Did not answer)

Q78 e. Please provide any supporting documents under Adaptation Priority Action #6. Max upload of five (5) files only.:

(Did not answer)

☒ Q79. Please indicate as to why you've been unable to make progress in Adaptation Action #6? Select all that apply. *Skipped due to logic* ▶

Q80. What resources could assist you in advancing this action? *Skipped due to logic* ▶