

Survey Title: 2023 Compact Climate Assessment Tool Survey
Report Type: Individual Responses
Start Date: 27-Apr-23
End Date: 11-Sep-23
Sent: 19
Delivered: 19
Bounced: 0
Completed: 27
Unique Access Rate: 89.47%
Incomplete: 2
Incomplete Incl. in Report: 2

Response No: 39

Email ID: <u>Public Access</u>
Participation Time: <u>8/31/2023 20:26</u>
IP Address: 149.19.41.27

Q1. Local/Tribal Government
<i>City of Miami</i>
Q2. County
Miami-Dade County
Q3. Key Staff Contact
Q3(a). Key Staff Contact: Name
<i>Alissa Farina</i>
Q3(b). Key Staff Contact: Title

Assistant Chief Resilience Officer

Q3(c). Key Staff Contact: Email Address

afarina@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 2022).

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.

Miami has set a long-term target of carbon neutrality by 2050 in accordance with the Paris Climate Agreement through the “Miami Forever Carbon Neutral Plan,” our greenhouse gas (GHG) reduction plan. The City of Miami Commission unanimously passed Resolution R-21-0472 to adopt the Miami Forever Carbon Neutral plan in November 2021. In addition to carbon neutrality by 2050, the plan establishes a Citywide greenhouse gas reduction target (60% below 2018 levels by 2035) and actions the City will take to achieve this goal. The plan did not establish a local government operations goal as the City lacked sufficient information about its operations to make an informed goal. The City worked on implementing actions in the Carbon Neutral Plan during CY 2022. The City of Miami conducts greenhouse gas inventories every 2 years. In CY 2022, City of Miami revised its greenhouse gas inventory schedule to be conducted on odd years in alignment with Miami-Dade County. We procured a consultant to assist with conducting GHG inventories for 2019 and 2021 and trained City staff on how to conduct inventories internally going forward. The results of these inventories will be shared with the public in the second half of 2023. In addition, the Office of Resilience and Sustainability worked with our Office of Strategic Planning the second half of CY 2002 to utilize the Clearpath software the City already uses to track key performance indicators to track implementation of all actions across the City's three resilience strategies. Beginning in 2023, 17 City departments will report updates and progress on their resilience actions on a quarterly basis. In CY 2022, City began the process of benchmarking energy and water use in all City buildings through the City of Miami's Building Efficiency (BE305) Program. The City will be better able to project energy use and make an emissions reduction goal once all buildings are input into Energy Star Portfolio Manager.

Q6. 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, 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

4

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 throughout the virtual engagements (Zoom meetings and online survey) to see which neighborhoods and demographics we were not reaching. Once public meetings were complete, we reached out to community leaders in underrepresented areas to set up additional tailored meetings. In addition, the City of Miami collaborated with local community-based organizations 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 Community Based Organizations (CBOs) was then used to assess the potential impacts of each plan element to identified climate justice communities. Throughout CY 2022, the City continued to facilitate the Climate Resilience Committee, an advisory committee of 9 stakeholders who work, live, or own property in the City. There is a Social Equity position on the Climate Resilience Committee, which is currently held by Nkosi Muse, who is also the Committee's Vice Chair. The City of Miami's Climate Resilience Committee has also passed a resolution In June 2022 requiring that two members of the board be youth representatives between 18 to 25 years of age. The City makes greenhouse gas inventory reports available to the public. With data collection beginning in CY 2002, the 2019 and 2021 inventories will show the City's progress towards our established 2035 and 2050 goal. From 2020-2022, the City of Miami held virtual Resilience Action Forum meetings as an opportunity for concerned residents and stakeholders to engage directly with elected officials and City staff to discuss urban resilience initiatives.

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-compressed.pdf

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

NextEraEnergyZeroCarbonBlueprint.pdf

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

Youth Rep CRC Ordinance.pdf

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 2022).

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.

City of Miami passed an energy and water benchmarking ordinance in June 2021 requiring buildings 20,000 sq ft and above to report and make public their energy and water use data. This enabled the City to establish the Building Efficiency (BE305) Program with a first compliance date of June 2023. Throughout CY 2022, the City worked to set up the back end of this program to ensure the best possible compliance. The City procured a technical assistance and software partner Touchstone IQ, designated a program manager in the Building Department, and met bimonthly with our utility providers to set up data request protocols for those who are required to comply with the ordinance. Throughout 2022, City staff worked to ensure the City database of required buildings was up-to-date and contained all necessary data for all buildings. Buildings 100,000 sq ft and above must comply in 2023 and report on their energy and water use.

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

3

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

During CY 2022, City of Miami planned outreach using multiple mediums including virtual trainings, mailed flyers, and direct emails. Communication was in multiple languages (English, Spanish, Creole). During this time the City also planned to set up a new concierge service to assist people with compliance. City also began setting up process to create an incentive for building returning through permit fee waivers. All covered properties that are in good standing with submitting Benchmarking Submissions, retuning reports, (as reflected in Section 10-157(a)(3)), and have not been found in violation of either Benchmarking Submissions as required by Section 10-152 or retuning reporting as required by Section 10-155 within the past five (5) calendar years shall be granted a maximum one-time, non-transferrable credit per building every retuning period, up to the amount provided in the below Table, for City’s Building permit fees related to professional

service/“soft costs,” incurred for retuning purposes pursuant to Chapter 10 Article XII. The credit expires if unused in that period. A property that has been found to have any code violations shall not qualify.

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.:

Snapshot-50857.pdf

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

(Did not answer)

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

(Did not answer)

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 2022).

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.

The City provides information to residential and commercial properties on Property Assessed Clean Energy (PACE) financing and Solar and Energy Loan Fund (SELF) loans. PACE financing operates through local providers to enable low-cost, long-term financing for energy efficiency, renewable energy, water conservation, and wind hardening projects. PACE financing is repaid as an assessment on the property's regular tax bill. SELF is a non-profit organization that provides home improvement loans for everyone, starting at 5% interest rate. There is no minimum credit score, and loans are offered on ability to repay, not credit scores. Improvements include solar products, storm resilience, roofing, weatherization and installation, lighting, air conditioning, etc. The City of Miami promotes the Greater-Miami solar co-operative established by Solar United Neighbors through our website and supportive communications. A solar cop-op is a group of homeowners that bundle their buying power to secure a volume discount on rooftop solar photovoltaic (PV) systems. They use free-market principles to solicit competitive bids from area solar installers in order to secure the best price and ensure a quality product. The City does not endorse specific installers but does provide information on installers that are available within the City. The City of Miami has also worked with Florida Power and Light (FPL) to install distributed solar energy producing infrastructure through solar trees in various locations throughout the City, particularly in City Parks.

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

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

Solar permits are free and expedited through the City of Miami's Building Department. According to Section 10-4 of the City Code, all permit applications for solar panels need to be processed within 3 business days. All City building permit fees related to the installation of solar panels also need to be waived for both commercial and residential properties. The Building Department has also streamlined the application process by automatically removing all City building permit fees so applicants no longer need to contact the department to remove the fees. Furthermore, the department has assigned a dedicated point of contact to expedite the review of solar permit applications. The department continues to research other ways to automate the review of solar permits through various third-party software. This work continued through CY 2002. In addition, during a Miami Forever Bond Citizens' Oversight Board meeting in CY 2002, the City shared that solar lights were installed at Alice Wainwright Park and Lummus Park using the City's Miami Forever Bond funding.

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 2022).

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.

The City has an Electric Vehicles goal in the Miami Forever Carbon Neutral Plan with the objective of 40% of registered passenger vehicles are electric by 2035. The City is working with the electricity provider, Florida Power and Light (FPL) to install public electric vehicle chargers in City Parks and in City parking lots and garages to help support the infrastructure to charge electric vehicles. The City of Miami's electric utility provider, Florida Power and Light (FPL), offers low-cost charger installation through its FPL EVolution program. The City is partnering with FPL to install public electric vehicle chargers in City Parks and City parking lots/garages. The City actively worked on this in CY 2022 - work included scoping out sites for charger installation, contract negotiations, and development of design specifications. The City of Miami passed Ordinance 13943 in November 2020 which requires that 20% of new parking spaces constructed meet the Electric Vehicle (EV) Capable standards. In no case will this be less than one (1) required space and the calculated number shall always be rounded up for any fraction of a space. This requirement does not apply to dwellings without a designated parking space located on the premises nor does this requirement apply to parking spaces located in the public right-of-way.

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

2

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

City of Miami has been working 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 in order to spur adoption of electric vehicles. City staff from the Department of Resilience and Public Works, Department of Building, Department of Parks & Recreation, Department of Planning, Department of Housing and Community Development, Office of Resilience and Sustainability, General Services Administration, and the Miami Parking Authority have worked together to propose locations for the chargers, with at least one DC Fast charger installation recommended per Commission district. Sites were chosen based on the follow criteria: 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 sufficient parking space that dedicating 4-6 parking spots to electric vehicle (EV) charging would not be disruptive. The City also prioritized neighborhoods where private EV chargers may not be installed in the near future and/or may struggle to attract grant funds due to lack of current EV ownership.

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.:

EV Capable 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 five (5) files only.:

(Did not answer)

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

(Did not answer)

Q29(e). Please provide any supporting documents under Mitigation Action #4. Max upload of five (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 2022).

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.

The City of Miami has adopted a vehicle miles travelled (VMT) reduction target. Goal 1 of the Miami Forever Carbon Neutral Plan has an objective of 15% reduction in private vehicle trips

compared to 2018 levels. Our target is to achieve a reduction to 72% of total trips in private vehicles by 2035. Under the 2018 baseline, 85% of passenger trips were by private vehicles (interpolated for 2018 from 2015 County level data, 70% of commuters drove alone to work (2015-2019 City of Miami ACS 5-Year Estimate data). In Spring 2021, funding was approved via a grant for the City to begin work on a new Bike Master Plan. The plan update was developed throughout 2022 and is currently pending City Commission approval. Throughout 2022, the City of Miami maintained its hybrid work schedule pilot permitting non-essential employees to work remotely two days a week thus reducing emissions from employee commute. In April 2022, Miami-Dade County began implementation of the Better Bus Network service plan updates which increases frequency of the bus system's most utilized routes, many of which travel through the City of Miami.

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

4

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

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 free neighborhood electric shuttle service, Freebee, which operates in select City neighborhoods. The free trolley service has 13 routes and provides over 5 million rides per year. Depending on route, trolleys operate 5-7 days a week and provide a free supplement to the County operated bus system. The City is working with the County to better connect the trolley system with the bus system so connections are easier and there is less duplication of routes. The City has a goal to ensure every resident can access a City Park within a 10 minute walk by preserving and enhancing existing natural areas and expanding Miami's overall park space from 7% to 15%. Currently, 88% of Miami residents live within a 10-minute walk of a City Park.

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.:

2023_ParkScore_Miami_FL.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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 all that apply.

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 2022).

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.

When developing the City's climate adaptation plan ("Miami Forever Climate Ready" plan) and greenhouse gas reduction plan, ("Miami Forever Carbon Neutral" plan) actions were socialized with key City departments and department leads were identified in the plans. Thus, expectations of the departments were clear from the plan development stage and departments have a resource to request the necessary resources to move forward on climate actions. Specifically, when developing the greenhouse gas reduction plan's implementation guide (Appendix C), lead departments were asked to specifically identify funding and staff needs necessary to move forward on 20 priority carbon mitigation actions. To keep track of assigned actions, the City uses the Clearpath software, a strategic planning tool, to remind departments of their climate actions and intended timelines. During CY 2022 the City planned how Clearpath would be used in this way. Beginning in 2023, the City now conducts a quarterly assessment of progress on the climate actions across the City's three climate strategies. In addition to facilitate un-siloed conversation and sharing of resources, the Deputy City Manager and Chief Resilience Officer co-chair a monthly Resilience Action Group meeting comprised of department directors involved in resilience actions.

Q41. 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

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

The City's adaptation plan, Miami Forever Climate Ready, established guiding principles that were determined to help develop the action plan. These guiding principles are: maximize multiple benefits; use public resources efficiently and maximize partnerships; incorporate local involvement in design and decision-making; address equity; utilize technology and innovation; leverage and protect our natural systems; create layers of protection by working at multiple scales; and design in flexibility and adaptability. The City worked with a non-profit partner to define climate justice communities in our greenhouse gas reduction plan, Miami Forever Carbon Neutral, 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. In CY 2022, Office of Resilience and Sustainability staff worked with Human Resources to integrate content on the City's racial history into employee training.

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-climate-ready-2020-strategy.pdf

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

Miami-Forever-Carbon-Neutral-FULL-compressed.pdf

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

Appendix-C-Implementation-Roadmap.pdf

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

(Did not answer)

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

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 2022).

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.

The City of Miami must develop and received a grant from Florida Department of Environmental Protection to complete a comprehensive Vulnerability Assessment. This project outlines the critical facilities and assets that are needed to do the following: 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 and the ability to maintain functionality under various flood conditions; and 3) develop a process for ensuring that retrofitted and new facilities withstand future impacts to flooding and sea level rise. In 2022, the Department of Homeland Security, Federal Emergency Management Agency (FEMA), upgraded the City of Miami to a Class 6 in the National Flood Insurance Program (NFIP) Community Rating System (CRS). The resulting savings for homeowners is a tangible result of the flood mitigation activities the City implements to protect lives and reduce property damage such as creating new maps and storm models and identifying critical infrastructure. The City updated its Stormwater Master Plan in 2021 to take sea level rise, increased storm surge risk, increased storm damage, and increased incidences of extreme rainfall into consideration. The plan develops a new detailed, dynamic, and comprehensive Citywide stormwater model to simulate predicted rainfall flooding and the effects of sea level rise and storm surge on the

existing and proposed stormwater management system. The Stormwater Master Plan includes an assessment of critical assets that are vulnerable to extreme weather. City of Miami partnered with the CAPA Strategies Heatwatch program to engage citizen scientists, collect ambient heat data, and generate a Citywide GIS heatmap. Button sensors provided by Florida International University (FIU) and Catalyst Miami have also been placed Citywide along the Heatwatch routes to provide additional point data. The CAPA Heatwatch study was completed in summer 2020.

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

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

The City continued public outreach and community engagement on specific stormwater management projects during CY 2022. Public comments during flooding events are also catalogued with location information to determine where additional stormwater management is needed. Additional storm grates to catch trash were installed in high need areas and areas in need of stormwater system cleaning were identified. In 2022, the City cleaned and maintained approximately 6,828 inlets and manholes, approximately 289,540 linear feet of stormwater pipeline, and 28 miles of canal banks; maintained 13 stormwater pump stations; and removed approximately 59.96 tons of debris from the canals, one ton of floatables and debris from City of Miami waterways, and 521.25 tons of debris from the stormwater systems. This maintenance helps prevent flooding events and reduces trash pollutants from street runoff, which ultimately discharge to waterways. When conducting the CAPA Strategies Heatwatch project, the City used citizen scientists that were recruited from a local climate advocacy training program. Participants were

given stipends for their participation in the study. As part of the state-mandated Vulnerability Assessment, the City will be conducting public outreach in the form of focus groups and an online survey. The goal of this outreach is to ensure community members can participate in asset mapping and especially identify recreational and cultural facilities of importance. Communication will be in multiple languages (English, Spanish, Creole).

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.:

VA Scope FINAL 2_0.pdf

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

(Did not answer)

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 2022).

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.

The Miami Forever Climate Ready plan identifies the principal climate-related risks faced by the state of Florida as sea level rise and 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. The plan includes 5 goals: 1. Goal 1: Ensure decisions are data-driven and human-centered 2. Goal 2: Inform, prepare, and engage residents and businesses 3. Goal 3: Protect and enhance our waterfront 4. Goal 4: Invest in resilient and smart infrastructure 5. Goal 5: Promote adaptive neighborhoods and buildings The City of Miami completed the 2021 update to the Stormwater Master Plan (SWMP), a comprehensive assessment of the City's roads, drainage infrastructure, and water management features to identify improvements needed to address capacity and flooding issues. The final report prioritizes recommendations to be included within the City's Capital Improvement Plan (CIP), taking into consideration changing climactic patterns, sea level rise (SLR), and the desire to strengthen the resiliency of Miami. This update occurred in 5 phases: 1. Phase 1: Data Collection 2. Phase 2: Flood Modeling 3. Phase 3: Infrastructure Recommendations 4. Phase 4: Policy Guidance Design Standards 5. Phase 5: Tools & Training

Q55. 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

4

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

During development of the City's adaptation plan, Miami Forever Climate Ready, in-person meetings were held in lower-income neighborhoods that are more elderly and have less digital literacy (input gathered from over 160 residents and businesses). Communication was in multiple languages (English, Spanish, Creole). An online survey was made available and respondents were mostly from higher-income, younger-aged neighborhoods with higher digital literacy and access (reached approximately 500 residents and businesses). The engagement activities included: Eight expert workshops on the stormwater master plan, housing affordability, climate gentrification, resilience hubs, and parks; Eight community workshops to gather concerns and ideas to respond to climate change-related challenges; Online survey; Collaboration with Florida International University to develop maps of heat risks, sunny day flooding, and storm surge; Urban Land Institute advisory panel on waterfront resilience, outreach, and laying groundwork for adaptive neighborhoods; Climate Resilience Committee workshop, that ranked actions by implementation ease and impact; and Within City government, creation of an interdepartmental Resilience Action Group collaborate on resilience efforts. Guiding principles included addressing equity. The City strives to have equal projects/dollars spent on stormwater projects in each of the City's 5 districts. The City's two coastal districts have the greatest exposure and risk to coastal flooding, and its residents generally have higher incomes and greater ability for personal preparedness and adaptation. The other non-coastal districts contain low-to-moderate income census tracts that also experience flooding after rainfall events. These areas have more difficulty in responding and recovering from floods. In addition to considering geographic spread of projects, the City uses storm surge, tidal flooding, and extreme heat data to inform locations of climate interventions.

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.:

(Did not answer)

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

(Did not answer)

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 2022).

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.

In 2019, City of Miami declared a state of "Climate Emergency" and strives to incorporate climate considerations into all elements of planning. The City of Miami has developed climate action plans

to address adaptation and mitigation to reduce greenhouse gases and increase energy efficiency. These are the Miami Forever Climate Ready Plan, the Miami Forever Carbon Neutral Plan, and the 2021 update to the Stormwater Master Plan. The Miami Comprehensive Neighborhood Plan (MCNP) contains goals, objectives, and strategies directing the City to pursue planning, redevelopment, design, and management practices which take resilience and mitigation of projected climate impacts into consideration, especially in the Coastal Management Element. In 2022, the City Commission adopted updated comprehensive plan language related to Peril of Flood. Florida Statute requires the designation of a “Coastal High Hazard Area” subject to additional protections and policies meant to preserve safety and mitigate disaster impact. During CY 2022, the City worked to develop the Southwest Streetscape Master Plan for further our urban forestry efforts and focuses on one of the City's most densely populated regions with the greatest tree canopy deficiency. This Plan is based on the area of the City with higher-than-average urban heat island effects coupled with low-income areas and higher incidences of multiple public health issues including obesity. The Plan includes the mitigation of climate-impacts as a guiding purpose and specifically aims to address extreme heat impacts and promote multi-modal transportation. To address ongoing flood vulnerabilities that threaten the City’s long-term resilience, the City started developing a Resilient Waterfront Enhancement Plan in CY 2022. This Plan provides shoreline enhancement options and guidance for implementation to finance, procure, design, permit, construct, and maintain a waterfront that emphasizes nature-based design features.

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

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

All plans listed above were developed with community engagement both in person and virtual. Miami Forever Climate Ready: Neighborhood specific meetings to educate residents on climate impacts were held. The City held in-person meetings in lower-income neighborhoods that are more elderly and have less digital literacy. An online survey was made available for other City residents and respondents were mostly comprised of residents from higher-income, younger aged neighborhoods with higher digital literacy and access. Miami Forever Carbon Neutral: A series of meetings to educate residents on the city-specific risks associated with climate change. Neighborhood representation in Zoom meetings and online survey was tracked to see which neighborhoods and demographics we were not reaching. Once public meetings were complete, we reached out to community leaders in underrepresented areas to set up additional tailored meetings. In addition, the City collaborated with local community-based organizations 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 identified climate justice communities. Stormwater Master Plan: A public information program and a community awareness and outreach plan was developed and implemented at the start of the project. Throughout the project, multi-lingual stakeholder and resident workshops were held in the various Commission Districts at critical points and milestones during the assessment, as a way to keep the public informed of the project progress and goals. Southwest Streetscape Master Plan: Community meetings were held to seek community input on particular issues for each neighborhood. In addition, the City maintained an open form on its website to continually engage with stakeholders on the Plan throughout CY 2022.

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.:

Snapshot-38713.pdf

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

Snapshot-65853.pdf

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

(Did not answer)

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

(Did not answer)

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

Q67. 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 2022).

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.

In September 2020, the City Commission adopted Resolution R-20-0292 "adopting the 2019 updated of the Unified Sea Level Rise Projections for purposes of sea level rise adaptation planning activities; requiring that all City of Miami ("City") infrastructure projects consider and incorporate such SLR projections; further requiring that the City consider the SLR projections in updates to land use plans and codes. The City Commission passed Resolution R-22-0419 in October 2022 directing the City Manager to adopt a policy to require capital projects that address stormwater management take into consideration heat mitigation, stormwater monitoring, greenhouse gas reduction, and non-carbon-emitting mobility. In May 2021, the City updated its City Code section related to seawalls to establish new standards for the construction, reconstruction, and repair of seawalls and bulkheads; establishing new minimum heights for new and reconstructed seawalls and bulkheads; providing a definition and permitting construction of living shorelines; and imposing a duty on private property owners to maintain seawalls and bulkheads. Appendix B of the City's Zoning Code, Miami21, outlines the City's Waterfront Walkway Standards and Design Guidelines

which takes sea level rise adaptation and stormwater retention strategies into account. In October 2020, the City Commission passed Ordinance 13935 requiring all construction sites to comply with pre-natural disaster site secure mandates, stormwater pollution discharge elimination, and erosion control protocols. The legislation also enables the City to issue fines of \$500 per day and Stop Work Orders for construction sites found in noncompliance. In 2018, Miami residents voted in favor of a \$400 million general obligation bond called the Miami Forever Bond to fund a series of projects that will transform the future of Miami by investing in five key categories, which align with the City's most pressing needs.

Q69. 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

4

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

City of Miami provides CERT training free of charge for residents. The program builds cohorts throughout the City and community resilience via preparedness training and alignment with City emergency management protocols. Affordable Housing funds from the Miami Forever Bond fund the City's Homeownership Preservation Program. The Homeownership Preservation Program (HPP) provides up to \$70,000 in rehabilitation assistance to qualified City of Miami homeowners to fund exterior repairs consisting of repair or replacement of roofs, replacement of windows or doors and/or installation of hurricane shutters, necessary to bring the home to decent, safe and sanitary conditions, and to reinforce the property's exterior to better withstand natural weather occurrences while maximizing the home's energy efficiency. To be eligible, the applicant MUST reside in the home and have a homestead exemption on the property. This program can assist households up to 140% of Area Median Income (AMI), based on household size. The lottery for this program was held

in CY 2021 and the program continued to be implemented in CY 2022. Communication was in multiple languages (English, Spanish, Creole). Expenditures of the Miami Forever Bond are reviewed and discussed publicly by the Miami Forever Bond Citizens' Oversight Board. The purpose of the Bond Oversight Board is to ensure that the Miami Forever Bond Program has transparent and accountable internal project management and progress reporting, including proactive community engagement and communications, and affords appropriate citizen oversight to complement the standard oversight provided by the City Commission. The Climate Resilience Committee, an advisory committee of 9 stakeholders who work, live, or own property in the City, provides recommendations and advice to the City Commission. This advice has led to the City Commission passing resolutions on resilience related topics.

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.:

Snapshot-45064.pdf

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

Snapshot-48987.pdf

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

Snapshot-64765.pdf

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

Snapshot-44486.pdf

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

(Did not answer)

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

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 2022).

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.

According to the City's Stormwater Master Plan, the City has roughly \$3.5-5 billion in unfunded needs to address priority upgrades of the City's stormwater system. The City of Miami identified 24 priority stormwater public infrastructure projects to meet water infrastructure needs. The Miami Forever Bond (MFB) allocates \$198 million initial capital to fund flood mitigation projects. In FY 2022 and FY 2023, nearly \$130 million were awarded in Florida Resilient Implementation Grants and Community Development Block Grants (Mitigation Program). The City is building out a network of Resilience Hubs. A HUD CDBG \$779,000 grant has been secured to harden windows and doors, install a generator, and upgrade Wi-Fi and charging outlets at Charles Hadley Park. New City Park facilities were also identified and will also be built with Resilience Hub criteria. City of Miami is piloting updated waterfront design guidelines via three waterfront projects currently in design: Brickell Bay Drive linear park, Jose Marti Park resilient redesign, and Morningside Park living shoreline. Through these projects we will pilot design initiatives such as sponge parks, waterfront access, living shorelines, natural water attenuation, and other nature-based solutions to flooding. The City of Miami is working with landscape architecture firm Curtis + Rogers Design Studio to create a climate-adaptive redesign for José Martí Park. During CY 2022, the project applied for Waterfront Enhancement Design Guidelines (WEDG) certification. Morningside Park is currently unusable by residents for portions of the year due to flooding from heavy rainfall, storm surge, and tidal forces. The City is upgrading the park and breaking the project into four sections: Waterfront Improvements (Shoreline & Baywalk), Neighborhood Drainage, Park Drainage and Master Plan, and Aquatic Facility. The City worked with The Nature Conservancy to provide input on the shoreline design to develop an innovative living shoreline.

Q76. 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

3

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

All projects listed above were conducted with public engagement process both in person and virtually. Stormwater Master Plan: The prioritization strategy to address flooding by resolving solvable, impactful, and chronic flood areas was based on several factors important to the City, its residents, and City Leaders. This prioritization strategy was ultimately selected by the City for the first series of stormwater improvements projects. The factors that were important to the City include: • A high number of flooding complaints • Highly visible and repetitive problems • Addressing areas of known capacity shortfalls already on the City's priority list for action • Spreading of the capital improvement projects throughout the City area in accordance with the guiding themes of the of the Miami Forever Bond • Taking advantage of opportunities for coordination with private development and other City projects • Attaining several quick levels of service improvements with measurable results for readily solvable flooding issues • Flexibility so that the projects can be readily sub-phased to remain within the funding parameters of remaining Miami Forever bond capacity • Selection of some projects of less complex design and permitting to take advantage of potential stimulus funds for shovel ready projects Resilience Hub development is being prioritized at highly utilized and highly trusted City park sites that are in proximity to dense residential areas, ideally out of flood zones, and in areas that may have slower response post-disaster. One of the goals of Resilience Hubs is to address issues that disproportionately impacts high poverty neighborhoods such as lack of electricity which can mean poor access to AC, refrigeration, food, and communications via lack of charging and WiFi.

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.:

(Did not answer)

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