

#22

COMPLETE

Collector: 2021 Responses (Web Link)
Started: Monday, September 20, 2021 7:57:28 AM
Last Modified: Monday, September 20, 2021 11:20:20 AM
Time Spent: 03:22:51
IP Address: 199.181.140.110

Page 1: Overview

Q1

Local/Tribal Government

City of Miami

Q2

Miami-Dade County

County

Q3

Key Staff Contact

Name	Melissa Hew
Title	Resilience Programs Manager
Email Address	mhew@miamigov.com

Page 3: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q4

Yes

Is your local/tribal government advancing activities related to Mitigation Action #1?

Page 4: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q5

Respondent skipped this question

Please indicate as to why you've been unable to advance activities related to Mitigation Action #1? Please select all that apply.

Q6

Respondent skipped this question

What resources could assist you in advancing this action?

Page 5: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q7

Yes

Is your local/tribal government advancing Mitigation Action #1 through assessment/planning methods?

Page 6: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q8

Provide a brief description of how Mitigation Action #1 is being advanced through assessment/planning methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City of Miami MiPlan set a goal to reduce the City government's greenhouse gas emissions 25% by 2015 from 2007 levels, but we were unable to find a current climate mitigation goal. A target was set for emission reduction in 2008. The plan was abandoned due to 2008 financial crisis. Current climate change plans are focused on adaptation. City of Miami plans to establish reduction goals by the end of 2020. <http://egov.ci.miami.fl.us/Legistarweb/Attachments/87211.pdf>ami completed its inventory for the 2018 calendar year. Greenhouse gas emissions were first inventoried in 2006. The City has incorporated GHG reduction actions in its Climate Ready Strategy. Miami Forever Carbon Neutral is the City's Greenhouse Gas Reduction Plan (GHG Plan) and is a roadmap to achieve carbon neutrality by 2050 in the community, strengthen the local economy, and enhance climate justice. This plan is in draft.

Q9

Yes

Is equity being embedded into Mitigation Action #1 through assessment/planning methods? 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.

- Hire a staff person from within the community to manage projects related to this activity
- Dedicate funds for multilingual communications and outreach
- Provide multilingual reporting efforts (print and spoken word)
- Connect with other municipal departments providing services for low-income or elderly residents and explicitly investigate opportunities for mutual benefits
- Ensure goals are shared with administration to create opportunities for collaboration
- Provide racial equity training for key administrators
- 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
- Provide a means to measure and compare results
- Provide local communities the technology and infrastructure to ensure equal access to information
- Include raw numbers in report to allow for independent analysis by community members
- Create a public website with open data
- To achieve mitigation goals, plan any project/program implementation to first benefit parts of the community which are most energy cost-burdened and/or exposed to air pollution impacts and ensure no additional costs are imposed on them related to implementation

Q10

Please provide a brief explanation of the ways in which you are embedding equity into this action's assessment/planning methods?

Throughout the Plan development process, consideration was given to how actions could have disparate impact or benefits across the City and explicit language and programmatic elements have been added to seize climate justice opportunities. In order to produce an equitable plan that represents all of Miami's stakeholders, significant effort was made to inform and engage the public throughout the development of this Plan. Monthly progress updates were given throughout the project development period at the Mayor's Resilience Action Forum, an online, moderated dialogue between the public and City staff focused on climate resilience topics. In addition to that standing update, we had five different methods of collecting feedback. Throughout the engagement process the City surveyed to see what areas of the City were being represented and plan to conduct focused engagement in the underrepresented areas. The City engaged the public by publishing a project website(www.miamigov.com/ghgplan) and inviting people to share both their ideas and concerns about the proposed high-level topics the Plan addresses. For example, increasing rooftop solar and reducing vehicle miles traveled. The survey was open for one month and received 149 responses. The City hosted three identical virtual workshops wherein attendees were briefed on the Plan's goals, answered a survey on their co-benefit criteria priorities, and shared their feedback on specific key actions the City was proposing for the Plan. After the Plan's release on Earth Day 2021, the Plan will be out for public review for 30days. For key stakeholders and/or stakeholder groups that were not represented in earlier outreach efforts, focused meetings were held to fill knowledge gaps and socialize the plan. For example, through surveying the City found that Overtown residents and stakeholders had low representation in engagement efforts prior to the draft plan release. In response, the City has scheduled a workshop with a community group to capture input from Overtown residents. For the green economy analysis, the City sought to pair quantitative jobs data with qualitative anecdotes from professionals working and leading in sectors that are already green or have emerging opportunity. The City hosted 13 stakeholder interviews via web-calls to understand their unique perspective and learn more about Miami's green economy potential. For a given action, each evaluation criterion was rated on a qualitative rating scale to reflect the degree to which implementation of the action will impact that criterion. Table 3.2 in the draft GHG plan gives an example of the rating scales used for co-benefit and feasibility criteria. All co-benefits were evaluated using the same rating scale shown in the table, ranging from Very Positive to Very Negative. However, feasibility rating scales were customized to each criterion.

Page 8: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q11

Yes

Is your local/tribal government advancing Mitigation Action #1 through program development methods?

Page 9: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q12

Provide a brief description of how Mitigation Action #1 is being advanced through program development methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City of Miami offers a few mechanisms to increase adoption of solar panels. Permits for solar panels are expedited and fees are waived for rooftop solar. In 2013 in partnership with 6 other municipalities, the City launched the Green Corridor Property Assessed Clean Energy (PACE) program which makes energy efficiency improvements and renewable energy installations more accessible for all property owners in the City.

The City also participates in the Solar United Neighbors Solar Co-op. Miami is already a solar friendly City but is finalizing SolSmart Gold certification as well to further promote and facilitate solar installation. City partnered with FPL to install a 0.5MW solar array in Bayfront Park in 2020.

City of Miami operates a free trolley service with 13 routes, that 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. City of Miami intends to electrify all trolleys by 2035.

Q13

Yes

Is equity being embedded into Mitigation Action #1 through program development methods? 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. 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 that your partnerships have significant diversity at the table, representing different age groups, neighborhoods, and races/ethnicities present in your community. Prioritize neighborhoods historically home to communities of color that may have been left out of decision making. Include stakeholders from economic sectors in the community. Prioritize partnerships with others such as Florida Power & Light to purposefully deploy renewable energy in low- and moderate-income areas of municipality first. Stormwater ponds adjacent to major highways are an opportunity for this

Page 10: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q14

Please provide a brief explanation of the ways in which you are embedding equity into this action's program development methods?

The City seeks to build the capacity of affordable housing owners and portfolio managers to evaluate their portfolio to identify the most vulnerable properties, and then to assess individual properties for specific risk and mitigation/adaptation strategies.

City partnered with FPL to install EV level 1 and 2 chargers across the city including low to moderate income neighborhoods in order to give all residents access to EV infrastructure.

Page 11: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q15

Yes

Is your local/tribal government advancing Mitigation Action #1 through policy methods?

Page 12: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q16

Provide a brief description of how Mitigation Action #1 is being advanced through policy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Miami21, City of Miami's form based land use code, includes LEED silver requirement for all new construction over 50,000 sq feet as well as expedited permitting and density bonuses for green buildings. It also requires cool roofs on almost all new construction and/or roof replacements.

City of Miami approved the ordinance for the Building Efficiency 305 program in June 2021. Buildings will be required to start reporting energy use in 2023. Education and awareness building, as well as program set-up will take place in the meantime.

Q17

Yes

Is equity being embedded into Mitigation Action #1 through policy methods? 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. Use a Racial Equity Toolkit to consider impacts before taking on any project. Establish a mechanism to regularly present progress to the residents/businesses to increase accountability and transparency. Ensure an equity first framework, so that GHG emission reductions do not come at the expense of low-income and/or communities of color. Seek out solutions with multiple benefits and explain what those are in your plan. This will help build bridges across municipal departments and lift up the relevance of climate actions across the community. Identify those entities within communities that are the highest producers of GHG and provide incentives for correction.

Page 13: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q18

Please provide a brief explanation of the ways in which you are embedding equity into this action's policy methods?

The City aims to gather feedback from the public on capital projects by hosting community meetings both virtual and in person. The City is actively looking ways to further engage the public.

When developing the GHG plan the City also developed rating criteria for each action which evaluated co-benefits and climate justice. Climate justice was defined as Actively addressing an existing inequity and/or one that would be created via action implementation in climate justice communities.

Throughout the Plan development process, consideration was given to how actions could have disparate impact or benefits across the City and explicit language and programmatic elements have been added to seize climate justice opportunities.

Page 14: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q19

No

Is your local/tribal government advancing Mitigation Action #1 through budget/investment methods?

Page 15: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q20

Respondent skipped this question

Provide a brief description of how Mitigation Action #1 is being advanced through budget/investment methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Q21

Respondent skipped this question

Is equity being embedded into Mitigation Action #1 through budget/investment methods? 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. Overlay any expenditures to advance this goal with census data on maps to ensure that expenditures/ investments are occurring in all areas of the municipality, positively impacting communities of all demographic make-ups. This will help a community stay accountable to not only investing in the area where they receive the most tax revenue or receive the most complaints Ensure that investments related to this action are prioritized in communities that have the most need and/or have been disinvested Include stipends/payments for volunteers in your budget Make sure budgeted meeting costs include childcare, meals, and/or interpretation service

Page 16: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q22

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's budget/investment methods?

Page 17: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q23

Yes

Is your local/tribal government advancing Mitigation Action #1 through education/outreach/advocacy methods?

Page 18: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q24

Provide a brief description of how Mitigation Action #1 is being advanced through education/outreach/advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

The City sends out a monthly resilience newsletter, hosts a virtual Resilience Action Forum. When developing the GHG reduction plan, the City conducted outreach and education to gain public input on the plan. The City's draft GHG reduction plan has dedicated education/outreach goal.

Q25

Yes

Is equity being embedded into Mitigation Action #1 through education/outreach/advocacy methods? 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. Ensure that there are at least monthly community meetings seeking input, not just education, through the life of the planning process, as well as annual update meetings on the municipality's progress during implementation. These meetings should take place at a variety of times, including evenings, and offer food and childcare to reduce barriers to attendance and participation. The meetings should be advertised by a community-based communications and outreach consultant who is from the community(ies) that you seek to target. 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. Ensure that education and outreach is available in multiple languages and information on the web is screen-reader compatible. Consider letting a community-based organization co-host a meeting or provide "meeting in a box" tools to let community-based organizations host their own event and report back. Utilize multiple engagement methods, e.g. online and in-person. Utilize existing relationships with other municipal departments. Devote resources to outreach in populations/neighborhoods frequently unengaged by government. Hire a volunteer that lives in that neighborhood or a community-based organization that works with that population. 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

Page 19: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q26

Please provide a brief explanation of the ways in which you are embedding equity into this action's education/outreach/advocacy methods?

The City has engaged with local climate justice and place-based organizations from predominately black and brown neighborhoods to determine how to best incorporate racial equity into each action within our GHG reduction plan. We have included a Green Economy report as part of our plan that analyses the potential for green job growth, and it focuses extensively on how that growth can happen equitably.

Page 20: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

Q27

Please provide any supporting documents for the various methods that you answered Yes under Mitigation Action #1.

Miami-GHG-Reduction-Plan-DRAFT-2.docx.pdf (1.1MB)

Page 21: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q28

Yes

Is your local/tribal government advancing activities related to Mitigation Action #2:

Page 22: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q29

Respondent skipped this question

Please indicate as to why you've been unable to make progress on Mitigation Action #2? Select all that apply.

Q30

Respondent skipped this question

What resource could assist you in advancing this action?

Page 23: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q31

Yes

Is your local/tribal government advancing Mitigation Action #2 through assessment/planning methods?

Page 24: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q32

Provide a brief description of how Mitigation Action #2 is being advanced through assessment/planning methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Organized internal team responsible for initiative: Roles being created in Building Department to manage BE305 and other BE initiatives.

Developed timeline for managing initiative: Internal implementation taking place from now through September 2022. October 2022-June 2023 is scheduled for outreach, training, and notifications.

Identified indicators that will be tracked over time

Conducted a study or assessment to inform program development, policy design, or decision-making: Collaborating with local, woman-led non-profit on retuning case study.

Q33

Yes

Is equity being embedded into Mitigation Action #2 through assessment/planning methods? 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. If possible, prioritize hiring a people of color or women-owned local contractor or contractors for municipal energy efficiency programs. Require any municipal funding related to energy efficiency retrofits to be prioritized in communities that have been disinvested first. Encourage the use of EnergyStar Portfolio Manager, a free and publicly available online tool, for assessing energy efficiency of buildings. Have an explicit plan/criteria for site prioritization to avoid political pet projects. Conduct an assessment to identify energy use trends those who are most energy-cost burdened; prioritize areas which are most energy-cost burdened first. Identify areas with substandard housing and work to improve conditions, which can impact quality of life and energy cost burden. Engage communities most impacted by energy inefficiency in planning and prioritizing community projects/action. Include considerations for renters in programming/recommendations (non-construction projects)

Page 25: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q34

Please provide a brief explanation of the ways in which you are embedding equity into this action's assessment/planning methods?

Encourage the use of EnergyStar Portfolio Manager, a free and publicly available online tool, for assessing energy efficiency of buildings.
Identify areas with substandard housing and work to improve conditions, which can impact quality of life and energy cost burden.
Considerations for renters in programming/ recommendations (non-construction projects)

Page 26: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q35

Yes

Is your local/tribal government advancing Mitigation Action #2 through program development methods?

Page 27: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q36

Provide a brief description of how Mitigation Action #2 is being advanced through program development methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions

Building Efficiency 305 program being created and staffed within Building Department. It is also a key action in Resilient305, a joint initiative of City of Miami, Miami-Dade County, and City of Miami Beach.

Q37

No

Is equity being embedded into Mitigation Action #2 through program development methods? 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. Develop municipal partnership with the Solar Energy Loan Fund program (already in several municipalities across the state) in order to provide safe financing for low- and moderate-income communities. 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. Partner with community-based organizations and organizations that provide direct services. Often times they are the first line of communication with community members and are great starting point for outreach to populations frequently unengaged by government. Partner with a Commissioner/Mayor to retrofit an affordable housing building. Target energy efficiency programs to parts of the community with the greatest need (defined as level of energy burden) as well as those large consumers. Invite community input early in the program development process. Host listening sessions, focus groups, and workshops to understand the energy needs in communities and what obstacles they are facing when trying to lower their energy usage and bills. Use this information to build programs and improve existing programs to address the identified needs.

Page 28: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q38

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's program development methods?

Page 29: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q39

Yes

Is your local/tribal government advancing Mitigation Action #2 through policy methods?

Page 30: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q40

Provide a brief description of how Mitigation Action #2 is being advanced through policy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Passed Building Efficiency 305 Ordinance (energy and water benchmarking, retuning, and transparency) passed Commission on June 10, 2021.

Q41

Yes

Is equity being embedded into Mitigation Action #2 through policy methods? 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. Include extreme heat as a climate hazard to consider in any municipal resiliency plans. Institute cooling centers in the communities facing high indoor heat burden, air pollution, or urban heat island effect. 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. Push for mandatory requirements over incentives in new construction. Provide property tax breaks for landlords who install energy conservation measures in rental housing. Require rental units to meet baseline levels of energy efficiency and make more stringent over time. Provide financial incentives for energy savings/alternative sources for qualified affordable housing providers/developers with an ultimate goal of having all affordable housing operating at net zero or better in 15 years.

Page 31: Greenhouse Gas Emissions Mitigation Priority Action #2 (Building Efficiency)

Q42

Please provide a brief explanation of the ways in which you are embedding equity into this action's policy methods?

Institute cooling centers in the communities facing high indoor heat burden, air pollution, or urban heat island effect: There are 11 planned Resilience Hubs which will provide shelter during extreme heat, flooding, and high wind.

Page 32: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q43

Yes

Is your local/tribal government advancing Mitigation Action #2 through budget/investment methods?

Page 33: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q44

Provide a brief description of how Mitigation Action #2 is being advanced through budget/investment methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Hiring dedicated staff to support initiative.

Secured grant funding for this initiative. Allocated local government budget (operating or capital)

Q45

Yes

Is equity being embedded into Mitigation Action #2 through budget/investment methods? 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. Allocate funds annually to pay for outreach campaigns to ensure all communities are aware of energy efficiency programs and assistance Offer financial incentives or financing programs to assist small business owners and/or cash strapped households in efficiency upgrades, and ensure people are aware of incentives Establish a municipality-based weatherization grant program (in addition to County programs) and fund it (to include weather strapping and caulking to improve air seals, replacing or installing insulation, replacing windows, installing energy efficient air conditioning where it is not otherwise available, and other similar repairs free of charge) Fund energy efficient giveaways (LED light bulbs, smart power strips, weather stripping, etc.) at no cost to the resident and automatically provide to residents who are having a hard time paying their bills or have had utility shut-off Ensure maintenance of green infrastructure is considered in proposal so benefits endure Consider creating a Tax Increment Financing (TIF) program or other finance mechanism from successful economic sectors

Page 34: Greenhouse Gas Emissions Mitigation Priority Action #2 (Building Efficiency)

Q46

Please provide a brief explanation of the ways in which you are embedding equity into this action's budget/investment methods?

Buildings that comply with Energy and Water Benchmarking and Retuning ordinance receive credit for future permit fees related to building efficiency.

Page 35: Greenhouse Gas Emission Mitigation Priority Action#2 (Building Efficiency)

Q47

Yes

Is your local/tribal government advancing Mitigation Action #2 through education/outreach/advocacy methods?

Page 36: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q48

Provide a brief description of how Mitigation Action #2 is being advanced through education/outreach/advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

The City conducted community outreach related to initiative. Additional training materials to be developed as we go through the implementation process (compliance begins 2023).

Q49

Yes

Is equity being embedded into Mitigation Action #2 through education/outreach/advocacy methods? 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. Ensure the elderly population, low-income communities, and others facing a high energy burden are aware of energy efficient options available to them (FPL rebates for programmable thermostats etc.) Ensure any information about this program is available in languages commonly spoken in the community and is also accessible to screen readers. Ensure that outreach goes beyond posting a page on the website or a flyer. Conduct direct outreach to target communities that are most in need of programming. This could include robo-calls or text alerts to seniors, contact sheets from other social services, radio programs, piggybacking as part of public-school outreach efforts to parents, etc. All of these direct outreach approaches should be done in a multilingual format. Work with local community-based organizations to be an education partner on energy efficiency behaviors and techniques/installations. Provide educational resources and technical assistance to industry professionals, building owners and managers, and residents on all aspects of energy efficient building design, retrofits, and operations for new and existing buildings. Create or adapt existing apprentice programs to build a skilled front-line workforce, focusing on building and maintaining alternative energy production and energy saving technologies. Give preference to people and projects in the areas of greatest un- and under-employment. Advance the use and adoption of solar energy within government operations and community-wide.

Page 37: Greenhouse Gas Emissions Priority Mitigation Action #2 (Building Efficiency)

Q50

Please provide a brief explanation of the ways in which you are embedding equity into this action's education/outreach/advocacy methods?

Work with local community-based organizations to be an education partner on energy efficiency behaviors and techniques/installations. We partner with Dream in Green to provide Water and Energy Learning and Behavior Program (WE-LAB) workshops, with some workshops specifically targeted at residents of affordable housing.

Page 38: Greenhouse Gas Emission Mitigation Priority Action #2 (Building Efficiency)

Q51

Please provide any supporting documents to the various methods that you have answered Yes under Mitigation Action #2.

BE305_Commission_Agenda_Packet.pdf (189.1KB)

Page 39: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q52

Yes

Is your local/tribal government advancing activities related to Mitigation Action #3:

Page 40: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q53

Respondent skipped this question

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

Q54

Respondent skipped this question

What resources could assist you in advancing this action?

Page 41: Greenhouse Gas Emission Mitigation Priority Actions #3 (Solar Energy)

Q55

Yes

Is your local/tribal government advancing Mitigation Action #3 through assessment/planning methods?

Page 42: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q56

Provide a brief description of how Mitigation Action #3 is being advanced through assessment/planning methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

The City plans to electrify City fleet, details are listed in draft GHG plan

Q57

Yes

Is equity being embedded into Mitigation Action #3 through assessment/planning methods? 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. If possible, prioritize hiring a people of color or women-owned local contractor or contractors or solar installation company. Require any municipal funding related to solar energy installations be prioritized in communities that have been disinvested. Assess the solar potential of all sites within the community in an equitable manner. Solar potential scores should not be based on property values or historic investments in the area, but rather on the potential for solar energy production and benefits to the surrounding community. Conduct solar feasibility assessment for all affordable housing owned by the municipality. Conduct solar feasibility for all critical infrastructure especially cooling centers/resilience hubs. Conduct an assessment to identify energy use trends, those within the community who are most energy-cost burdened, and prioritize projects for those areas/people. Identify areas with substandard housing and work to improve conditions which can impact quality of life and energy-cost burden. Consider establishing microgrids on municipally owned properties (such as public housing, libraries, and schools). 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.

Page 43: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q58

Please provide a brief explanation of the ways in which you are embedding equity into this action's assessment/planning methods?

The first resilience hubs which will incorporate solar will be in low to moderate income areas/ traditionally dis-invested areas

Page 44: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q59

No

Is your local/tribal government advancing Mitigation Action #3 through program development methods?

Page 45: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q60

Respondent skipped this question

Provide a brief description of how Mitigation Action #3 is being advanced through program development methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Q61

Respondent skipped this question

Is equity being embedded into Mitigation Action #3 through program development methods? 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. Work with companies like FPL to establish solar microgrids in low- to moderate-income areas of the municipality. Develop municipal partnership with Solar Energy Loan Fund (already in several municipalities across the state) in order to provide safe financing for low and middle-income communities. Partner with local organizations who are working on energy issues to help with outreach. Include community leaders and members in program design. Prioritize spending in municipal-owned affordable housing first, then buildings that provide resources/ services to low- and moderate-income, majority Black residents. Consider ways renters can reap benefits of solar, e.g. community solar projects. Install solar and battery storage in locations that will serve as resilience hubs or cooling centers. Identify what buildings/services will be needed to serve the community in the case of a blackout.

Page 46: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q62

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's program development methods?

Page 47: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q63

Yes

Is your local/tribal government advancing Mitigation Action #3 through policy methods?

Page 48: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q64

Provide a brief description of how Mitigation Action #3 is being advanced through policy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions

Passed ordinance to permit solar by right in major zoning transects (solar does not contribute to building footprint)

Q65

Yes

Is equity being embedded into Mitigation Action #3 through policy methods? 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. Participate in programs like SolSmart to reduce barriers to solar installation and reduce soft costs Encourage the creation of solar energy jobs (with living wages) within the municipality Commit that municipality's savings from solar and energy efficiency be reinvested in wealth-building initiatives in disinvested communities Solar permitting should be expedited and fee-free

Page 49: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q66

Please provide a brief explanation of the ways in which you are embedding equity into this action's policy methods?

Permit fees are waived and permitting is expedited for residences looking to install rooftop solar. City is in process of finalizing SolSmart certification and documentation.

Page 50: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q67

No

Is your local/tribal government advancing Mitigation Action #3 through budget/investment methods?

Page 51: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q68

Respondent skipped this question

Provide a brief description of how Mitigation Action #3 is being advanced through budget/investment methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Q69

Respondent skipped this question

Is equity being embedded into Mitigation Action #3 through budget/investment methods? 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. Waive permit fees for residential solar installation Prioritize procurement of government operations solar installations from people of color and women owned businesses if possible Commit that municipality's savings from solar and energy efficiency be reinvested in wealth-building initiatives in disinvested communities Devote money/personnel to support and promote solar co-ops Ensure funding for roof hardening/weatherization/insulation is included especially in older, lower quality affordable housing Include funding for battery storage where possible to provide energy redundancy

Page 52: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q70

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's budget/investment methods?

Page 53: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q71

No

Is your local/tribal government advancing Mitigation Action #3 through education/outreach/advocacy methods?

Page 54: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q72

Respondent skipped this question

Provide a brief description of how Mitigation Action #3 is being advanced through education/outreach/advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Q73

Respondent skipped this question

Is equity being embedded into Mitigation Action #3 through education/outreach/advocacy methods? 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 education on lower cost ways for residents to go solar, such as SolarTogether and existing solar co-ops. Communicate savings due to solar installation. Provide education on the energy system in general. Support legislation proposed by local groups to make solar more accessible in Florida.

Page 55: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q74

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's education/outreach/advocacy methods?

Page 56: Greenhouse Gas Emission Mitigation Priority Action #3 (Solar Energy)

Q75

Respondent skipped this question

Please provide any supporting documents to the various methods that you have answered Yes under Mitigation Action #3.

Page 57: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q76

Yes

Is your local/tribal government advancing activities related to Mitigation Action #4:

Page 58: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q77

Respondent skipped this question

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

Q78

Respondent skipped this question

What resources could assist you in advancing this action?

Page 59: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q79

Yes

Is your local/tribal government advancing Mitigation Action #4 through assessment/planning methods?

Page 60: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q80

Provide a brief description of how Mitigation Action #4 is being advanced through assessment/planning methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions

Use of electric vehicles (EVs) and the installation of EV infrastructure are listed as actions in the draft GHG plan.

City has identified indicators that will be tracked over time such as number of chargers installed, locations, number of EVs.

Adopt EV infrastructure and procurement policy to electrify 100% of public vehicle fleet, including trolleys by 2035. The City will work with the Electrification Coalition and other technical support teams to develop an EV transition plan.

Q81

Yes

Is equity being embedded into Mitigation Action #4 through assessment/planning methods? 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. If possible, prioritize hiring a people of color and women-owned contractor for EV infrastructure. If possible, donate EVs and PHEVs to community-based organizations once phased out of the municipal fleet. Commit to providing EV charging for free for at least a few years, if not indefinitely. Involve the community in evaluation of this action's progress. Assess success in this alongside data about demographics, location, and number of users. Assess the benefit and accessibility of proposed or existing EV infrastructure to low- and moderate-income communities and communities of color. 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. Ensure groups/individuals representing low-income communities, communities of color, and those with limited mobility are at the decision-making table.

Page 61: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q82

Please provide a brief explanation of the ways in which you are embedding equity into this action's assessment/planning methods?

Throughout the GHG Plan development process, consideration was given to how actions could have disparate impact or benefits across the City and explicit language and programmatic elements have been added to seize climate justice opportunities. When assessing each action for co-benefits, climate justice was 1) given higher weights, and 2) scored negatively if the action had potential for addressing climate justice but failed to do so.

Page 62: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q83

Yes

Is your local/tribal government advancing Mitigation Action #4 through program development methods?

Page 63: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q84

Provide a brief description of how Mitigation Action #4 is being advanced through program development methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City developed partnership or joined coalition with private sector, non-profit, or other local governments to advance initiative: City partnered with FPL to install EV chargers throughout city

Q85

Yes

Is equity being embedded into Mitigation Action #4 through program development methods? 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. Build partnerships between community-based organizations, the municipality, transportation agencies, and other stakeholders Offer technical assistance to community groups working to advance this goal Include a partnership with a community-based organization that focuses on job training in disinvested communities to help inform this project Include community leaders and members in program design Install chargers in public parking lots and high-use municipal facilities (parks, administration building) Ensure EV charging is available (and free including parking) for municipal employees Invest in electric busses

Page 64: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q86

Please provide a brief explanation of the ways in which you are embedding equity into this action's program development methods?

City identified location within LMI and traditionally dis-invested communities to install EV chargers.

Page 65: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q87

Yes

Is your local/tribal government advancing Mitigation Action #4 through policy methods?

Page 66: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q88

Provide a brief description of how Mitigation Action #4 is being advanced through policy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City passed EV-ready policy

Q89

Yes

Is equity being embedded into Mitigation Action #4 through policy methods? 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. Mandate EV charging infrastructure in future commercial & multi-family developments Deploy public EV charging infrastructure in low- and moderate-income parts of the community and with top employers Waive parking fees when an EV is paying for charging in that space Create a tiered procurement policy that ensures that plug-in hybrids and EVs are considered before any internal combustion engine vehicle Offer streamlined permitting, lower to no fees, and other incentives for EV charging projects

Page 67: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q90

Please provide a brief explanation of the ways in which you are embedding equity into this action's policy methods?

City mandates EV charging infrastructure in future commercial & multi-family developments. City is planning to deploy public EV charging infrastructure in low- and moderate-income parts of the community

Page 68: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q91 **Yes**

Is your local/tribal government advancing Mitigation Action #4 through budget/investment methods?

Page 69: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q92

Provide a brief description of how Mitigation Action #4 is being advanced through budget/investment methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City intends to use budget already allocated for vehicle procurement to transition fleet to EV

Q93 **No**

Is equity being embedded into Mitigation Action #4 through budget/investment methods? 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. Use EV vehicle tax rebate to invest in chargers Analyze fuel and maintenance savings from EV switch and use the savings to create a charger fund Subsidize the cost of charger installation in affordable housing development Create a group purchase program for residents to receive deep discounts on EVs Partner with car and lease dealerships to provide incentives for purchase of EVs by municipal residents. Pilot with those neighborhoods with the greatest disinvestment and/or those neighborhoods with the greatest VMT potential

Page 70: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q94 **Respondent skipped this question**

Please provide a brief explanation of the ways in which you are embedding equity into this action's budget/investment methods?

Page 71: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q95 **No**

Is your local/tribal government advancing Mitigation Action #4 through education/outreach/advocacy methods?

Page 72: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q96

Respondent skipped this question

Provide a brief description of how Mitigation Action #4 is being advanced through education/outreach/advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Q97

Respondent skipped this question

Is equity being embedded into Mitigation Action #4 through education/outreach/advocacy methods? 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 multi-lingual and ADA accessible workshops educating the public on the benefits of EVs and how they can pay for themselves over time despite the higher upfront cost. 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. Create/promote a charger network map. Make sure this map is well-promoted so people will feel comfortable making the switch.

Page 73: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q98

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's education/outreach/advocacy methods?

Page 74: Greenhouse Gas Emission Mitigation Priority Action #4 (Electric Vehicles)

Q99

Respondent skipped this question

Please provide any supporting documents for the various methods that you answered YES under Mitigation Action #4.

Page 75: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q100

Yes

Is your local/tribal government advancing activities related to Mitigation Action #5?

Page 76: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q101

Respondent skipped this question

Please indicate as to why you've been unable to make progress on Mitigation Action #5? Select all that apply.

Q102

Respondent skipped this question

What resources could assist you in advancing this action?

Page 77: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q103

Yes

Is your local/tribal government advancing Mitigation Action #5 through assessment/planning methods?

Page 78: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q104

Provide a brief description of how Mitigation Action #5 is being advanced through assessment/planning advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions

City has bicycle masterplan.

Miami21 encourages transit oriented development.

City working on trolley re-route plan.

Q105

Yes

Is equity being embedded into Mitigation Action #5 through assessment/planning methods? 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. Implement policy/norms to allow for flexible scheduling and working from home. Provide employees and managers with training to ensure this is successful and respectful Promote transit benefits. Work with employers and transit agencies to develop ways to incentivize employee ridership (e.g. rebates for employees who gave up use of employer parking facilities) Choose a bus stop design that provides shelter from the sun and rain and ensure proper maintenance throughout the lifespan of the infrastructure Explore different modes of transportation, not just buses (and if so, consider electrification of the local bus system), but also expand train routes especially to lower income communities Identify high air pollution areas due to transit (e.g. bus lots) and prioritize electrified transit in those areas 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

Page 79: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q106

Please provide a brief explanation of the ways in which you are embedding equity into this action's assessment/planning methods?

City is looking to expand and improve trolley routes, and improve service (to under served areas) and improve safety/shelter for trolley stops. City intends to host public meetings to gather feedback from residents on efficiency of trolley system
City is finalizing bicycle master plan.

Page 80: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q107

Yes

Is your local/tribal government advancing Mitigation Action #5 through program development methods?

Page 81: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q108

Provide a brief description of how Mitigation Action #5 is being advanced through program development methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

The City has the following programs in place:

Citi bike

Scooter program

Freebee program

City is looking to pilot flex schedule policy

Q109

Yes

Is equity being embedded into Mitigation Action #5 through program development methods? 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. Partner and develop relationships with co-working space providers 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 Work with transit operators and those who maintain our public transportation systems. Include community leaders and members in program design Ensure whoever is designing programs to reduce VMT rides transit from all parts of the municipality to become aware of difficulties that may exist in some parts of the municipality but not others (e.g. no sidewalks, no shade, etc.)

Page 82: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q110

Please provide a brief explanation of the ways in which you are embedding equity into this action's program development methods?

City is a sponsor for Miami Connected, program aims to ensure students across Miami area have access to internet.

Page 83: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q111

Yes

Is your local/tribal government advancing Mitigation Action #5 through policy methods?

Page 84: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q112

Provide a brief description of how Mitigation Action #5 is being advanced through policy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

Miami 21- City encourages transit-oriented development.

Q113

No

Is equity being embedded into Mitigation Action #5 through policy methods? 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. 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 Have fare free days with extreme heat or high air pollution to encourage less cars on the road Amend municipal code to mandate long-term bike parking facilities and shower facilities at places of employment to encourage bike transportation

Page 85: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q114

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's policy methods?

Page 86: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q115

Yes

Is your local/tribal government advancing Mitigation Action #5 through budget/investment methods?

Page 87: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q116

Provide a brief description of how Mitigation Action #5 is being advanced through budget/investment methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City receives state funding to run trolley program
Revenue for scooter program is intended to be used to expand bike lanes.

Q117

Yes

Is equity being embedded into Mitigation Action #5 through budget/investment methods? Below are several suggested ways that a local 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 incentives for the public to ride transportation, e.g. discount or make ridership free during rush hours. Develop grants and provide financial resources for the installation of infrastructure necessary to support telecommuting. 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. Pay transit workers a living wage.

Page 88: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q118

Please provide a brief explanation of the ways in which you are embedding equity into this action's budget/investment methods?

City trolley is free

City requires private development to construct and maintain sidewalks (ADA compliance is required)

When applying for grants to improve street drainage, City budgets for sidewalks and ADA compliance

Page 89: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q119

Yes

Is your local/tribal government advancing Mitigation Action #5 through education/outreach/advocacy methods?

Page 90: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q120

Provide a brief description of how Mitigation Action #5 is being advanced through education/outreach/advocacy methods. This is not meant to be an exhaustive list, but rather a list of the most impactful actions.

City participates in bike to work day. However this could use more attention.

Q121

No

Is equity being embedded into Mitigation Action #5 through education/outreach/advocacy methods? Below is a suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. Respondents can include actions not included in this list. 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

Page 91: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q122

Respondent skipped this question

Please provide a brief explanation of the ways in which you are embedding equity into this action's education/outreach/advocacy methods?

Page 92: Greenhouse Gas Emission Mitigation Priority Action #5 (VMTs)

Q123

Respondent skipped this question

Please provide any supporting documents for the various methods that you answered Yes under Mitigation Action #5.

Page 94: Adaptation Priority Action #1 (Internal Capacity Assessment)

Q124

Yes

Is your local/tribal government advancing activities related to Adaptation Action #1? 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.

Page 95: Adaptation Priority Action #1 (Internal Capacity Assessment)

Q125

Respondent skipped this question

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

Q126

Respondent skipped this question

What resources could assist you in advancing this action?

Page 96: Adaptation Priority Action #1 (Internal Capacity Assessment)

Q127

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.

City has a Resilience Action Group - interdepartmental group of City departments tasked with operationalizing climate adaptation and mitigation.

Q128

Yes

Is equity being embedded into Adaptation Action #1? 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.

Page 97: Adaptation Priority Action #1 (Internal Capacity Assessment)

Q129

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

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.

Resilience Action Group implements actions from Climate Ready Miami Strategy - the City held public meetings in each City neighborhood. Meetings were conducted in English, Spanish and Creole, food and childcare were provided.

Page 98: Adaptation Priority Action #1 (Internal Capacity Assessment)

Q130

Respondent skipped this question

Please provide any supporting documents under Adaptation Priority Action #1.

Page 99: Adaptation Priority Action #2 (Vulnerability Analysis)

Q131

Yes

Is your local/tribal government advancing activities related to Adaptation Action #2? 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.

Page 100: Adaptation Priority Action #2 (Vulnerability Analysis)

Q132

Respondent skipped this question

Please indicate as to why you've been unable to make progress in Adaptation Action #2? Select all that apply.

Q133

Respondent skipped this question

What resources could assist you in advancing this action?

Page 101: Adaptation Priority Action #2 (Vulnerability Analysis)

Q134

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 is seeking to conduct a vulnerability assessment that will identify critical facilities, city assets and people most at risk to flooding related to storm surge, precipitation, current and future tides. This vulnerability assessment will help the city prioritize retrofitting and hardening projects, and allocate funding based on exposure, sensitivity, and social needs.

Q135

Yes

Is equity being embedded into Adaptation Action #2? 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.

Q136

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

This project addresses social vulnerability by overlaying infrastructure vulnerability data with social index data. Specifically, social index data will be incorporated in the prioritization matrix so that the City can identify and prioritize the infrastructure most vulnerable to flooding and the people served by this infrastructure. Data on social vulnerability will allow the City to integrate population characteristics known to influence the ability of social groups and communities to prepare for, respond to, and recover from disasters into the prioritization matrix.

Page 103: Adaptation Priority Action #2 (Vulnerability Analysis)

Q137

Respondent skipped this question

Please provide any supporting documents under Adaptation Priority Action #2.

Page 104: Adaptation Priority Action #3 (Resilience Plan)

Q138

Yes

Is your local/tribal government advancing activities related to Adaptation Action #3?

Page 105: Adaptation Priority Action #3 (Resilience Plan)

Q139

Respondent skipped this question

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

Q140

Respondent skipped this question

What resources could assist you in advancing this action?

Page 106: Adaptation Priority Action #3 (Resilience Plan)

Q141

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.

City developed and is implementing Miami Forever Climate Ready Strategy and Resilient 305 Strategy. Both strategies have goals, actions, timelines and associated metrics related to climate/urban resilience.

Q142

Yes

Is equity being embedded into Adaptation Action #3? 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.

Page 107: Adaptation Priority Action #3 (Resilience Plan)

Q143

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

City engaged the community as part of the development of the Climate Ready Strategy, City worked with community organizations as part of outreach strategy, public meetings were offered in English, Spanish and Creole, childcare and food were provided. Climate Ready Strategy includes a mix of solutions including a mix of policy and capital projects. Resilient 305 strategy includes actions that aim to protect the lives and health of outdoor workers.

Page 108: Adaptation Priority Action #3 (Resilience Plan)

Q144

Please provide any supporting documents under Adaptation Priority Action #3.

Miami Forever Climate Ready 2020 strategy.pdf (4.2MB)

Page 109: Adaptation Priority Action #4 (Risk Reduction & Planning)

Q145 **Yes**

Is your local/tribal government advancing activities related to Adaptation Action #4? 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.

Page 110: Adaptation Priority Action #4 (Risk Reduction & Planning)

Q146 **Respondent skipped this question**

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

Q147 **Respondent skipped this question**

What resources could assist you in advancing this action?

Page 111: Adaptation Priority Action #4 (Risk Reduction & Planning)

Q148

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.

Total update of our stormwater master plan to integrate sea level rise and multiple levels of service. Comprehensive plan includes Peril of Flood language. Working with County on Adaptation Action Area program.

Q149

Yes

Is equity being embedded into Adaptation Action #4? 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.

Page 112: Adaptation Priority Action #4 (Risk Reduction & Planning)

Q150

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

SWMP projects were chosen and sequenced based on areas of greatest need. In person outreach for adaptation plan was focused in areas with lower Internet use and access.

Page 113: Adaptation Priority Action #4 (Risk Reduction & Planning)

Q151

Respondent skipped this question

Please provide any supporting documents under Adaptation Priority Action #4.

Page 114: Adaptation Priority Action #5 (Policy)

Q152

Yes

Is your local/tribal government advancing activities related to Adaptation Action #5? This may include improving stormwater management practices, adopting urban heat policies, updating infrastructure standards, conducting remediation of contaminated sites, and updating building codes.

Page 115: Adaptation Priority Action #5 (Policy)

Q153

Respondent skipped this question

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

Q154

Respondent skipped this question

What resources could assist you in advancing this action?

Page 116: Adaptation Priority Action #5 (Policy)

Q155

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.

The City passed an freeboard ordinance allowing for additional freeboard to account for sea level rise and future flood conditions. Cool roof ordinances requiring white, green, or blue roofs are listed in Miami21. Seawall ordinance raising minimum seawall height was passed. In process of updating waterfront design standards to integrate green infrastructure, sea level rise, pedestrian access, and more. City is developing a Resilient Waterfront Capital Enhancement Plan that will provide guidelines intended to become policies. City is also developing Southwest streetscape and tree masterplan.

Q156

Yes

Is equity being embedded into Adaptation Action #5? 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.

Page 117: Adaptation Priority Action #5 (Policy)

Q157

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

City engaged and collaborated with the community as part of the development of plans.

Page 118: Adaptation Priority Action #5 (Policy)

Q158

Please provide any supporting documents under Adaptation Priority Action #5.

Freeboard ordinance.pdf (1MB)

Page 119: Adaptation Priority Action #6 (Capital Projects)

Q159

Yes

Is your local/tribal government advancing activities related to Adaptation Action #6? This may include living shorelines, water infrastructure, resilience hubs, parks & open spaces, urban greening, tidal valves, pump stations, road/bridge elevation.

Page 120: Adaptation Priority Action #6 (Capital Projects)

Q160

Respondent skipped this question

Please indicate as to why you've been unable to make progress on Adaptation Action #6? Select all that apply.

Q161

Respondent skipped this question

What resources could assist you in advancing this action?

Page 121: Adaptation Priority Action #6 (Capital Projects)

Q162

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 has \$192 million dedicated to stormwater projects to address urban flooding. All Bond projects will take climate impacts into account. Resilience Hubs program in City parks. Keep Safe Miami program to help multi-family affordable housing make hardening and energy efficiency upgrades and provide hurricane preparedness training for tenants. Morningside Park living shoreline project. Jose Marti Park adaptive redesign. Brickell Bay Drive linear park update/pilot of waterfront design standards. City's SWMP has \$3 billion in recommended stormwater projects. City is developing Resilient Waterfront Enhancement Plan.

Q163

Yes

Is equity being embedded into Adaptation Action #6? Below are several suggested ways that a local/local 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.

Page 122: Adaptation Priority Action #6 (Capital Projects)

Q164

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

Resilience Hubs suggested locations are located in areas with high social vulnerability (low-income, elderly, lack of car ownership, etc). SWMP projects were chosen and sequenced based on areas of greatest need. Keep Safe program is specifically focused on affordable housing units.

Page 123: Adaptation Priority Action #6 (Capital Projects)

Q165

Respondent skipped this question

Please provide any supporting documents under Adaptation Priority Action #6.