

# #16

**COMPLETE**

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Page 1: Overview

**Q1**

Local/Tribal Government

City of Fort Lauderdale

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**Q2**

**Broward County**

County

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**Q3**

Key Staff Contact

Name	<b>Glen Hadwen</b>
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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?

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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.

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**Q6**

**Respondent skipped this question**

What resources could assist you in advancing this action?

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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?

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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.

Comprehensive Plan adopted in 2020 which includes an evaluation measure setting a goal of reducing GHG emissions from City Operations by 80% by 2050. In the Press Play 2024 Strategic Action Plan, the Infrastructure Focus area includes a goal to build a sustainable and resilient community and an objective to ensure climate change resiliency and to implement mitigation strategies, incorporating partnership actions and cross-jurisdictional plans. Greenhouse gas emissions from City operations are tracked annually.

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**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

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Page 7: Greenhouse Gas Emission Mitigation Priority Action #1 (GHG Targets)

**Q10**

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

The City's recent revision of its Comprehensive Plan included an extensive public input process, including multiple in person meetings and web-based tools for comments.

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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?

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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.

Fort Lauderdale tracks and calculates annual greenhouse gas emissions from City operations focusing on the most significant sources, electricity, vehicle fuel, and natural gas usage. This has shown reductions greater than 20% in GHG emissions from City operations between 2010 and 2020. In addition, the City has implemented multiple programs to reduce GHG emissions which are described in Mitigation Actions 2-5.

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**Q13**

**No**

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

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

**Q14**

**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?

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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?

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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.

Projects included in the Community Investment Plan must be evaluated on Environmental benefits including energy efficiency and other sustainability measures. The City has adopted a Sustainable Purchasing Policy which requires consideration of greenhouse gas emissions in City procurement. The City Commission is considering a resolution to establish net zero GHG emissions targets for operations and the community.

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**Q17**

**No**

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.

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

**Q18**

Respondent skipped this question

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

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

**Q19**

Yes

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

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

**Q20**

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.

The City continues to staff and fund the Sustainability Division which includes 7 FTEs in the Sustainability and Climate Resilience Group whose primary purpose is to advance climate mitigation and resiliency in the City. This includes tracking of GHG emissions, developing policy related to GHGs, and advancing opportunities for GHG reduction. In addition, the Fleet program is part of the Sustainability Division and prioritizes funding low emission vehicles and fleet initiatives which reduce fuel usage.

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**Q21**

Yes

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.

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

**Q22**

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

The City's Budget includes the Green Your Routine program which provides financial incentives to homeowner's associations for sustainability related volunteer participation.

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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?

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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.

In 2015, all full-time city employees were trained on climate change science, impacts, City goals, and actions that staff can take. Subsequently, all new employees receive training on sustainability during orientation and several employee challenges have promoted City sustainability goals and initiatives including energy conservation.

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**Q25****No**

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

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

**Q26****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?

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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.

**Exhibit 3 - Draft Amended Comprehensive Plan Volume I Goals Objectives and Policies.pdf (10.1MB)**

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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:

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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.

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**Q30**

**Respondent skipped this question**

What resource could assist you in advancing this action?

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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?

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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.

The Advance Fort Lauderdale Comprehensive Plan includes multiple goals and policies related to building energy efficiency including Objective CC 2.2 Resiliency and Efficiency which focuses on improving energy efficiency on new and existing buildings. In addition, Sustainability Division staff developed the Building Energy Efficiency Plan which analyzes opportunities for energy efficiency improvements in the City building stock. Other City Master Planning efforts such as the Parks and Utility Master Plan have incorporated recommendations to improve energy efficiency in City facilities. Sustainability staff track and monitor the City's energy usage on a monthly basis.

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**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)

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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?

The City's Housing and Community Development Division has been working to incorporate energy efficiency standards into its programs to assist with rehabilitation of homes in the LMI community. They recently partnered to complete an energy efficient and solar powered affordable home.

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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?

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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

The City has created a Sustainability Investment Fund to establish a revolving fund for energy efficiency in City buildings; conducted an audit of electricity bills to identify savings that could fund further efficiency initiatives; launched energy efficiency retrofits programs such as installation of programmable thermostats in City facilities; established an interdepartmental energy management team to increase awareness of energy efficiency issues and opportunities; and for the community, enabled PACE programs with four providers.

**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?

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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.

Projects included in the Community Investment Plan must be evaluated on Environmental benefits including energy efficiency and other sustainability measures. The City has adopted a Sustainable Purchasing Policy which requires consideration of energy efficiency and energy consumption. The City is considering an ordinance requiring cool roofs on new construction. The conceptual planning of the joint City/County facility has included sustainability goals for a carbon neutral, energy efficient building.

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**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

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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?

The City has partnered with NOAA to generate a heat map and has supported numerous academic grant applications looking at heat island impacts on LMI neighborhoods.

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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?

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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.

The Sustainability Division has two staff positions with specific expertise and focus on energy efficiency whose work includes tracking, analysis, and strategic planning related to energy efficiency. In addition, the City has approved a \$190 million bond to implement its Parks Master Plan which will include energy efficiency improvements. In addition, the new Public Safety Building is looking for opportunities to include energy efficiency.

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**Q45**

**No**

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

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

**Q46**

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?

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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?

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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.

climate change science, impacts, City goals, and actions that staff can take. Subsequently, all new employees receive training on sustainability during orientation and several employee challenges have promoted City sustainability goals and initiatives including energy conservation.

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**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.

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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?

The City has enabled four PACE programs providing a financing mechanism to make renewable energy and energy efficiency more accessible. In addition, the City is actively promoting the Broward Solar Co-op across to all of its neighborhood associations.

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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.

**2020.05.08\_Building Energy Efficiency Plan (BEEP) FINAL.pdf (3MB)**

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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:

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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.

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**Q54**

**Respondent skipped this question**

What resources could assist you in advancing this action?

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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?

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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's Advance Fort Lauderdale Comprehensive Plan set a target of 20% renewable energy by the 2030. Subsequently, the Sustainability Division developed a renewable energy feasibility study for City operations to determine the capacity of City facilities for solar installations and also initiated an analysis of the distribution of solar installations citywide based on a review of solar permits issued.

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**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.

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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 City has conducted solar feasibility for all facilities including critical infrastructure.

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

**Q59**

**Yes**

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

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



**Q60**

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.

The City has enabled PACE programs with four providers to provide a financial vehicle for energy efficiency and solar installations. The City has reviewed and improved its solar permitting process to achieve SolSmart Gold designation. The City has been an active partner in the Broward 2021 Solar Co-op.

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**Q61**

Yes

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.

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

**Q62**

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

The City is partnering with Solar United to engage the community in signing up for the Solar Co-op. As part of the Parks Master Planning and Bond effort, community leaders and members in program design for improvements in Parks across the City (including solar installations). The City has written grants to install solar and battery storage in locations that will serve as resilience hubs or cooling centers.

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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?

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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

The City's Comprehensive Plan includes policies and objectives intended to increase adoption of renewable energy. The City is exploring the potential for a "solar ready" rooftop ordinance for new construction.

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**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

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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?

The City has achieved the SolSmart Gold Designation demonstrating its commitment to reducing barriers and soft costs for solar installations.

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

**Q67**

**Yes**

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

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

**Q68**

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.

The City's \$190 million Parks Bond includes funding for solar installations at multiple City Parks. Transportation and Mobility is primarily installing solar parking meters.

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**Q69**

**Yes**

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

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

**Q70**

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

Sustainability Division staff have actively promoted the Broward 2021 Solar Co-op through social media and direct interaction with and presentations to Homeowner Associations.

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

**Q71**

**Yes**

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

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

**Q72**

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.

The Sustainability Division staff have actively promoted the Broward 2021 Solar Co-op to all of the City's neighborhood associations.

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**Q73**

**Yes**

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

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

**Q74**

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

The City is participating in the Broward 2021 Solar Co-op and actively conducting outreach to all of its neighborhood associations. May want to include presentations made to GYR or SAB on this topic if any.

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

**Q75**

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

**2021.02.15\_Feasibility Study - Renewable Energy for City Operations.pdf (4.7MB)**

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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:

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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.

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**Q78**

Respondent skipped this question

What resources could assist you in advancing this action?

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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?

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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

The Advance Fort Lauderdale Comprehensive Plan establishes polices that the City shall explore opportunities to increasing electric vehicle (EV) charging on City and private property. The Sustainability Division is considering development of a citywide EV charging master plan. The City has a plan for expanding EV charger installation within City facilities.

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**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.

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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?

The City provides free charging at selected sites and at City garages, there is no fee for charging beyond the parking fee.

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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?

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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.

The City has installed 10 level 2 EV chargers at public parking locations. The three stations at the City fleet area are powered solely by solar panels and the City fleet now includes four all electric vehicles. In addition, the City has installed 7 level 2 chargers at City facilities for use by fleet vehicles and employees.

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**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

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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?

The City has installed chargers in public parking lots and high-use municipal facilities (parks, administration building) and provides free EV charging at several facilities for municipal employees.

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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?

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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.

The City's Comprehensive Plan includes policies and objectives intended to increase adoption of electric vehicles. The City is currently exploring an EV charging ready ordinance for new construction.

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**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

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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?

The City is currently exploring an EV charging ready ordinance for new construction.

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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?

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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.

To date, the City has funded the purchase of 17 EV charging stations and four EVs.

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**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

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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?

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

**Q95**

**Yes**

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

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

**Q96**

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.

City staff are planning to develop content for educational purposes.

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**Q97**

**No**

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.

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**Q102**

Respondent skipped this question

What resources could assist you in advancing this action?

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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?

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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

community with the following objectives: "improve transportation options and reduce congestion by working with partners", and "improve roads, sidewalks, and trails to prioritize a safer, more walkable and bikeable community". In addition, the City has developed multiple master plans including Connecting the Blocks which prioritizes pedestrians, bicyclists, and transit riders. In addition, the City's Downtown Master Plan incorporates transit oriented development (TOD) guideline which encourages transit, walking, and biking.

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**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

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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?

The City's planning efforts typically include extensive public outreach efforts. The Transit Master Plan included stakeholder interviews, web-based transit needs surveys for Sun Trolley riders and the general public (non-users), paper-based surveys targeting input from specific areas (YMCA and Galt), a bus operator survey and interviews, DFLTMA Board input, and other outreach through the project website, email campaigns, and the use of social media (Facebook and Nextdoor).

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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?

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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 uses a GPS system to track each fleet vehicles usage which has result in decreased fuel usage due to reduced idling and more efficient routing of fleet vehicles. In the community, the City has installed over 245,000 linear feet of bicycle lanes, sidewalks and shared use paths.

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**Q109**

**No**

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.)

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

**Q110**

**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?

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

**Q111**

**Yes**

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

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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.

The City's Universal Land Development Regulations includes Section 47-18.21. – Mixed Use Development which is intended to encourage diversity of land uses. The City is also in the process of amending this Section to strengthen the city's capacity to encourage mixed use development.

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**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.

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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?

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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?

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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.

The City has continued to fund projects that include improvements related to pedestrian, bicycle and transit related improvements. The most recent Community Investment Plan includes a budget of over \$5 million in FY21 for roadway improvements that will include improving bicycle and pedestrian accommodations.

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**Q117**

**No**

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.

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

**Q118**

**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?

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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?

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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.

The City hosts multiple open houses, events, and public meetings each year to communicate and seek input on transportation and mobility projects. Just completed a major community outreach plan for improving Las Olas including bike and pedestrian improvements.

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**Q121**

Yes

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

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

**Q122**

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

The City hosts multiple open houses, events, and public meetings each year to communicate and seek input on transportation and mobility projects.

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

**Q123**

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

[2348CompleteStreetsPolicy.pdf \(161.9KB\)](#)

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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.

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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.

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**Q126**

Respondent skipped this question

What resources could assist you in advancing this action?

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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.

The City has hired dedicated staff to advance sustainability and resiliency initiatives including establishing a Sustainability Division including a Sustainability and Climate Resilience Group. The City has sought increased resilience related capacity through multiple efforts including implementation of mandatory training for all full time staff on climate change impacts in 2015 and establishment of an interdepartmental Climate Ambassadors group which meets several times per year.

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**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

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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?

The 2018 Stormwater Master Plan assessed all areas of the City. Two of seven areas identified for improvements are in LMI neighborhoods. Assessing flooding concerns by the public through outreach was part of the design process.

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

**Q130**

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

**Public Works Org Chart January 1, 2021.pdf (523.8KB)**

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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.

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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.

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**Q133**

**Respondent skipped this question**

What resources could assist you in advancing this action?

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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 has incorporated considerations of vulnerability analysis into multiple master planning efforts over the last few years including its Utilities Master Plan, Stormwater Master Plan, Parks Master Plan, Cemetery Master Plan and Seawall Master Plan. The City conducted a heat island study in 2019. Currently, the City is seeking grant funding to complete a citywide vulnerability analysis. Every year we review areas vulnerable to coastal flooding and consider expanding designation of the Adaptation Action Areas in the City's Community Investment Plan.

**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?

The 2018 Stormwater Master Plan assessed all areas of the City. Two of seven areas identified for improvements are in LMI neighborhoods. Assessing flooding concerns by the public through outreach was part of the design process. Resiliency is a theme in the development of park improvements Citywide.

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

**Q137**

Respondent skipped this question

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

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

**Q138**

Yes

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

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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.

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**Q140**

Respondent skipped this question

What resources could assist you in advancing this action?

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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.

The City's infrastructure master plans included both a vulnerability assessment and specific actions plans and timelines for infrastructure improvements. The Seawall Master Plan identified improvements required in 5-year increments based on the condition and existing elevation of the City-owned seawalls compared to sea level rise projections. The Stormwater Master Plan similarly generative design plans for seven neighborhoods to raise the level of service for flooding concerns accounting for future rainfall and sea level rise. The Comprehensive Strategic Utility Master Plan is being implemented including the use of HDPE pipe which is more resistant to corrosion and flexing from rising ground water Tables. Finally in the last two years, the City Commission has named resiliency among its 6 top priorities requiring generation of a project charter with specific actions and timelines.

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**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.

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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?

Continuing work on the Watershed Asset Management Program will consider the unique flooding concerns in each neighborhood and develop maintenance and improvement plans for each.

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

**Q144**

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

**SeawallMasterPlan.pdf (4MB)**

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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.

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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.

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**Q147**

Respondent skipped this question

What resources could assist you in advancing this action?

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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.

The City has adopted by resolution the Southeast Florida Regional Climate Compact Sea Level Rise projects mandating their use in City planning efforts. Consequently, the City incorporates resilience planning into all of its master planning efforts, including but not limited to its Utilities Master Plan, Stormwater Master Plan, Parks Master Plan, Cemetery Master Plan and Seawall Master Plan. The City is active in participating at the county level in local mitigation planning for disasters and community hazards including climate change.

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**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.

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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?

The recently adopted Comprehensive Plan and several of the Master Plans, particularly the Parks and Stormwater Master Plans, have included extensive public input processes. The Stormwater Master Plan outreach provided maps where residents could identify specific areas of flood concern to be incorporated into design plans.

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

**Q151**

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

**2020.05.05 Sea Level Rise Resolution.pdf (10.3MB)**

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.

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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.

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**Q154**

**Respondent skipped this question**

What resources could assist you in advancing this action?

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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 is in the process of developing a Watershed Asset Management Plan. This will allow a proactive holistic planning process for the maintenance, repair, replacement and improvement of the city's stormwater systems. To address urban heat island impacts, the City is planning on initiating an Urban Forestry Master Plan and considering a cool roof ordinance. The City has Adaptation Action Areas policies in the Coastal Zone Management portion of its Comp Plan and annual designates AAAs in its Community Investment Plan.

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**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.

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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?

The City's Watershed Asset Management Plan and other Asset Management efforts will shift the City's to focus on ensuring level of service being uniformly distributed throughout the City. The Stormwater Master Planning effort developed a city-wide hydrologic model to identify the most vulnerable locations regardless of socio-economic characteristics.

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Page 118: Adaptation Priority Action #5 (Policy)

**Q158**

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

**WAMP-v1.0-Approved-1-17-2020\_51854 Exec Summary.pdf (4.4MB)**

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.

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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.

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**Q161** **Respondent skipped this question**

What resources could assist you in advancing this action?

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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.

The City has designated 17 areas as Adaptation Action Areas because of their vulnerability to coastal flooding. Each year the completion of projects to reduce flooding to increase resiliency in these areas is publicly tracked and published in the annual Community Investment Plan. These projects are also developed in accordance with the Stormwater Master Plan. The City is implementing the seawall master plan with annual investments from the Community Investment Plan. The City has been implementing a \$200 Water and Wastewater Revenue Bond to replace aging infrastructure with more resilient assets. We are actively developing a utility asset management program which is focused on ensuring adequate maintenance and timely replacement of critical assets to reduce risk of failure. The City has adopted a new stormwater rate to support a future \$200 M bond effort. We are installing back up generation for our downtown stormwater pump stations. The City has applied for and received several grants to accelerate installation of both stormwater and seawall projects.

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**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.

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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?

The City's Stormwater Master Planning effort included workshops with each of the neighborhoods slated for the first round of stormwater improvements to solicit their input on areas known to flood. Progress on projects in Adaptation Action Areas is publicly tracked in annual Community Investment Plan. Grant funding has been approved for stormwater projects in two LMI neighborhoods.

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

**Q165**

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

**FY2226ProposedCIP AAAs.pdf (4.9MB)**

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