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IP Address: 50.232.252.93

Q1. Local/Tribal Government
<i>City of Fort Lauderdale</i>
Q2. County
Broward County
Q3. Key Staff Contact
Q3(a). Key Staff Contact: Name
<i>Glen Hadwen</i>

Q3(b). Key Staff Contact: Title

Sustainability Manager

Q3(c). Key Staff Contact: Email Address

ghadwen@fortlauderdale.gov

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The City's Advance Fort Lauderdale 2040 Comprehensive Plan was adopted in 2020 and includes an evaluation measure setting a goal of reducing GHG emissions from City Operations by 80% by 2050. In 2021, the City Commission passed a resolution which adopts net-zero targets for government operations by 2040 and citywide by 2050. The City of Fort Lauderdale has pledged to make our community more resilient by signing an agreement to participate in the ICLEI150 and the Race to Zero. As a participating ICLEI150 community in the Race to Zero the City of Fort Lauderdale has committed to the following: Pledge: at the head-of-organization level to get to zero greenhouse gas emissions as soon as possible and by 2050 at the latest. Set a 2030 interim target reflecting maximum fair share effort to reach 50% global CO2 reductions. Plan: the actions necessary to achieve both the 2030 and 2050 targets within 12 months of joining. Proceed: with high-impact action to achieve the targets during 2021 Publish: report Race to Zero actions by 2022 The City is a member of Climate Mayors. Through CDP-ICLEI Track, the City of Fort Lauderdale is able to report GHG emissions and demonstrate commitment to transparency, accountability, and taking action on climate change, while also contributing to the global efforts to mitigate greenhouse gas emissions and build more sustainable cities. In keeping with this net zero goal, in 2023 the City completed and published a new 2019 baseline GHG inventory which showed 19% reduction in GHG emissions from government operations and 18% reduction in GHG emissions citywide between 2010 and 2020. GHG inventories for 2020, 2021, and 2022 will also be completed by the end of the year. The City of Fort Lauderdale has solicited Professional Consulting Services to develop a Roadmap to Net Zero Plan.

Q6. Is equity being embedded into Mitigation Action #1? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant

progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. For more guidance, visit the full document on the Compact website. Ensure the inventory and/or goal setting document(s) is/are publicly available and is interpreted for commonly spoken languages in the municipality as well as screen-reader compatible. Build partnerships with community-based organizations, HOAs, and community-based forums to help define, design, and advance the work as well as spread the word. Ensure an equity first framework, so that GHG emission reductions do not come at the expense of low income and/or communities of color. Use a Racial Equity Toolkit to consider impacts before taking on any project. Include stipends/payments for volunteers in your budget. Make sure budgeted meeting costs include childcare, meals, and/or interpretation services. Utilize multiple engagement methods, e.g. online and in-person. Utilize existing relationships with other municipal departments. Acknowledge that elderly and low-income populations are less likely to engage with online promotion. Utilize in-person outreach (flyers, canvassing, announcement at an existing meeting, radio stations, TV, flyers at churches or community center, etc.) for these groups

2

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

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. The net-zero resolution was approved at a City Commission meeting open to the public after discussion at multiple public meetings of the City Commission and Sustainability Advisory Board. The Net Zero Plan process will include multiple public outreach component meetings.

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

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

Net Zero Resolution.pdf

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

2019 FTL CW and LGO Emissions Report.pdf

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

(5) files only.:

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q10. What resources could assist you in advancing this action?

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The Advance Fort Lauderdale 2040 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. Sustainability staff track and monitor the City's energy usage on a monthly basis. The City has conducted an audit of electricity bills to

identify overbilling and find savings that could fund further efficiency initiatives. The City has completed several energy efficiency retrofits such as installation of programmable thermostats in City facilities. The City has enabled PACE programs with four providers to provide a financial vehicle for energy efficiency and solar installations. Projects included in the Community Investment Plan (CIP) 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 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 residents approved a \$190 million bond in 2018 to implement the City's Parks Master Plan which will include energy efficiency improvements. In addition, the new Public Safety Building is looking for opportunities to include energy efficiency. Energy efficiency resiliency and sustainability considerations are incorporated into the programs of the City's Housing and Community Development Division. Pursuing understanding of heat impacts from built environments and lack of urban forest to allow programming to reduce heat loads and energy bills on buildings. The City has just started construction on a new Public Safety facility designed to meet LEED standards for energy efficiency.

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

3

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

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. 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. 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 to all of its

residents. The City is launching an Urban Forestry Master Plan effort in 2023 which will consider increasing tree planting in areas with low tree canopy.

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

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

FTL UHI Report.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q17. What resources could assist you in advancing this action?

Skipped due to logic

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

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

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

The City's Advance Fort Lauderdale Comprehensive Plan set a target of 20% renewable energy by the 2030. The Sustainability Division has completed a renewable energy feasibility study for City operations to determine the capacity of City facilities for solar installations. The City has completed an analysis of the distribution of solar installations citywide based on a review of solar permits issued. 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, achieving SolSmart Gold designation. The City's \$190 million Parks Bond includes funding for solar installations at multiple City Parks. The Fort Lauderdale City Commission has endorsed the Broward Solar Co-op to help increase participation in the program. In 2023, the City will embark on its Net Zero Plan, a comprehensive roadmap outlining the strategies and actions necessary to achieve net-zero emissions in government operations.

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

2

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

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 provided

input improvements in Parks across the City (including solar installations) through an extensive public outreach process. The City has written grants to install solar and battery storage in locations that will serve as resilience hubs or cooling centers. The City has achieved the SolSmart Gold Designation demonstrating its commitment to reducing barriers and soft costs for solar installations.

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

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

2021.11.12_Progress Report - Community Renewable Energy Installations.pdf

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

2021.02.15_Feasibility Study - Renewable Energy for City Operations.pdf

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

Broward Solar Co-op resolution.pdf

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q24. What resources could assist you in advancing this action?

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The Advance Fort Lauderdale 2040 Comprehensive Plan establishes policies that the City shall explore opportunities to increase electric vehicle (EV) charging on City and private property. The City has funding for expanding EV charger installation within City facilities. The City has installed 10 level 2 EV chargers at public parking locations. The City has installed 7 level 2 chargers at City facilities for use by fleet vehicles and employees. 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. The three electric vehicles in the fleet are used exclusively as loaner vehicles to expose a maximum number of employees to driving an EV to support future adoption of EV vehicles. The three EV charging stations at the City fleet area are powered solely by solar panels. The City actively promotes its own EVs at events held around the community to increase visibility of the program. The City is developing an EV Ready ordinance to increase charging infrastructure.

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

communications/outreach consultant should reach at least 300 people in advertising for the meeting

2

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

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

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

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q31. What resources could assist you in advancing this action?

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The Advance Fort Lauderdale 2040 Comprehensive Plan community includes the following objectives: "improve transportation options and reduce congestion by working with partners", "encourage mixed-use and other land-use policies that will reduce vehicle miles traveled within the City" 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. The City uses a GPS system to track each fleet vehicle usage which has resulted in decreased fuel usage due to reduced idling and more efficient routing of fleet vehicles. In the community in FY2022, the City has installed over 335,000 linear feet of bicycle lanes, sidewalks and shared-use paths. The City's Unified 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. 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 \$3.5 million in FY21 for roadway improvements that will include improving bicycle and pedestrian accommodations. The City's Design and Construction Manual adopted in 2019 includes guidelines for incorporating bicycle facilities and pedestrian facilities into the public realm, thereby promoting increased use of multimodal transportation and reduction of VMTs. The City supports the SunTrolley and expanded Circuit programs to reduce VMTs and in the case of Circuit, utilize electric vehicles to do so. The City is exploring pilot usage of an electric vehicle for its SunTrolley services.

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

3

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

The City has directed Community Development Block Grant dollars to fund street improvements including sidewalks in LMI areas. The SunTrolley and Circuit services are provided free of charge to all riders in the service area.

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

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

Fort Lauderdale Complete Street.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

Q37. Please indicate as to why you've been unable to advance activities related to Mitigation Action #5? Please select all that apply.

Skipped due to logic

Q38. What resources could assist you in advancing this action?

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

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. New employee orientation includes a standard module on sustainability. The City's Asset Management program for the water, wastewater and stormwater utilities has expanded staff capacity related to life-cycle asset management and resiliency through introduction of training and programs. The City is actively working to catalog all assets within a central GIS layer. This initiative aims to enhance the knowledge and awareness of the entire staff regarding the City's infrastructure. City staff are offered annual tours of vital assets and various infrastructure across the City, providing them with a comprehensive understanding of operations that may fall outside of their direct involvement. This initiative aims to broaden their knowledge and foster a more holistic perspective of the City's operations.

Q41. Is equity being embedded into Adaptation Action #1? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Assess the capacity to include equity considerations, including community engagement & outreach Assessment includes consideration of how well prepared the community is to advance adaptation initiatives in more vulnerable/disinvested communities Assess agency understanding of inequity and historic environmental wrongs in the community (and how inequities may be exacerbated by government practices/policies). Provide training for staff, emphasizing the importance of correcting these issues and avoiding further harms in the future Assess areas of the municipality that have been disinvested or are low-income Staff has worked to build and maintain relationships and trust with community-based organizations, key thought leaders, and residents in the areas of the municipality which have been disinvested Assess and collaborate with Departments that provide/direct social services to residents or that work on equity as adaptation partners

2

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

For many years, the City has conducted one-day annual trainings for all full time staff which included sections on diversity and inclusion.

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

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

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The City 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. In 2014, Broward County performed a vulnerability assessment for Fort Lauderdale looking at multiple sea level rise scenarios. The City conducted a heat island mapping study in 2019. Broward County actively monitors salt-water intrusion and the Sustainability Division of Fort Lauderdale receives regular reports to stay abreast of the situation. Every year, the City reviews areas vulnerable to coastal flooding and considers expanding the designation of the Adaptation Action Areas in the City's Community Investment Plan. This year, the City has begun its vulnerability assessment compliant with Florida Statute 380.393 to identify assets susceptible to sea-level rise under multiple flooding scenarios. Since the April 2023 floods, the City has accelerated its stormwater master plan to help increase neighborhood resilience in low lying areas.

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

Q49. 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 and the Parks Master Plan process had an extensive public outreach process.

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

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

FTL SLR Assessment Report.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q52. What resources could assist you in advancing this action?

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The 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 generated 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. In the last four years, the City Commission has named resiliency among its 6 top priorities requiring generation of a project charter with specific actions and timelines and regular tracking of progress on this topic. The City has developed and is implementing a Watershed Asset Management Plan (WAMP) considers citywide stormwater operations from a level of service perspective focused on the services provided. The City is conducting a community wide vulnerability assessment to sea-level rise and will prepare a partial Adaptation Plan as part of that effort. Within each annual Community Investment Plan, the City identifies Adaptation Action Areas which are vulnerable to flood and identifies projects within these areas which will improve resilience to flooding in those areas. The City is initiating a new Seawall Master Plan to look at the condition and elevation of seawalls in Parks and near City rights of way.

Q55. Is equity being embedded into Adaptation Action #3? Please indicate your progress toward embedding equity in this action with “1” indicating no progress and “5” indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Provide multiple benefits or co-benefits in disinvested communities based upon community input Prioritize the solutions/resources in the Plan by their potential to reduce risk rather than by geography, property values, or income Engage and collaborate with the community as part of the

development of the Plan Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of actions within that Plan on low-income disinvested communities, or communities of color. Ensure the toolkit for each action is made public for accountability and discussion Develop metrics and milestones that are reported on publicly so the municipality can be held accountable. Set expectations with the community on the format and frequency of reporting Ensure solutions sufficiently address all climate threats. Take into consideration how climate threats affect individuals and neighborhoods differently (based on various factors including social determinants of health) Include a mix of solutions including a mix of policy and capital projects. Capital projects should include a plan and budget for upkeep and maintenance Include strategies that protect the lives and health of outdoor workers

3

Q56. 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 Plan will consider the unique flooding concerns in each neighborhood and develop maintenance and improvement plans for each. The 2018 Stormwater Master Plan assessed all areas of the City. Each of the seven neighborhoods had extensive public outreach. Master planning efforts focus on the infrastructure regardless of the socio-economics of the location. Since the April 2023 Flash Flood, the City has made dozens of presentations to stakeholders across the city to inform and address their concerns.

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

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

Seawall Master Plan.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The City has adopted by resolution the Southeast Florida Regional Climate Compact Sea Level Rise projections 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. The City has developed and is actively implementing a Watershed Asset Management Plan (WAMP) considers citywide stormwater assets

and operations from a level of service perspective focused on the services provided. The City participates in the FEMA Community Rating System to earn points to reduce premiums by National Flood Insurance Program participants through education and flood risk reduction.

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

3

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

The Comprehensive Plan and several of the Master Plans, particularly the Parks and Stormwater Master Plans, include 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. 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. The City is targeting state and federal dollars to augment the funding for all areas of adaptation improvements, maximizing grant scoring points for improvements in LMI and CDBG neighborhoods.

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

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

SLR Resolution.pdf

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

Q67. Describe the progress your local/tribal government has made related to Adaptation Action #5. Please select all that apply. This may include improving stormwater management practices, adopting urban heat policies, updating infrastructure standards, conducting remediation of contaminated sites, and updating building codes.

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The City is in the process of implementing 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. Similarly, the City is adopting asset management practices for its stormwater, water, and wastewater systems that will proactively increase the resilience of these systems and the services that they provide the city. To address urban heat island impacts, the City is planning on initiating an Urban Forestry Master Plan and will be releasing a RFP for consulting services in 2023. The City has Adaptation Action Areas policies in the Coastal Zone Management portion of its Comprehensive Plan and annual designates AAAs in its Community Investment Plan. The City has adopted a new tidal barrier ordinance consistent with Broward County.

Q69. Is equity being embedded into Adaptation Action #5? Please indicate your progress toward embedding equity in this action with “1” indicating no progress and “5” indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities Ensure policy is written to protect all communities equally and that it encourages risk reduction in areas most vulnerable to the impacts of climate change. The policy should also take into account unintended consequences-such as gentrification-and provide solutions to mitigate/diminish negative impacts posed by solutions Policies are written to improve the resilience of disinvested communities Policies are written to ensure equal access to new or proposed technology (e.g. public EV charging locations) Policies are written to improve conditions for disinvested communities through stronger remediation requirements or stormwater considerations Ensure contamination is not a barrier to adaptation. Remediate past harms while working to adapt to future threats, and take those future threats (like flooding) into consideration when selecting clean-up alternatives. Apply for EPA Brownfields grants if funding is the major obstacle Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any policy on low-income disinvested communities or communities of color. Ensure the toolkit for each policy decision is made public for accountability and discussion

2

Q70. 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 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. Earlier in the summer of 2023, the City offered free sandbags to residents to support flood mitigation on private property. Link to Water Asset Management Plan: <https://www.fortlauderdale.gov/government/departments-i-z/public-works/engineering-division/master-plans-reports>

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

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY 2022).

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

The City has designated 18 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. To date this has included over ½ mile of seawalls elevated to 5 feet NAVD. The City has been implementing a \$200 M in Bond and loan funding to add new or update existing stormwater management systems infrastructure with more resilient assets in accordance with its Stormwater Master Plan. Two neighborhoods, Edgewood and River Oaks, are currently under construction. Another 15 neighborhoods are being considered for the next phase of stormwater improvements. The City is 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 is adding back up generation for the downtown stormwater pump stations. The City has applied for and received several grants to accelerate installation of both stormwater and seawall projects. The City's Design and Construction Manual adopted in 2019 includes guidelines for incorporating floodwater management and shoreline infrastructure into the public realm. The City is annually investing in reducing inflow and infiltration into the wastewater system from tidal flooding and rising groundwater. The City has entered into a public private partnership to build a hurricane-resistant water treatment plant using the newest technology to ensure the treatability of raw groundwater into the future.

Q76. Is equity being embedded into Adaptation Action #6? Please indicate your progress toward embedding equity in this action with "1" indicating no progress and "5" indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every

possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities Capital projects benefit all community members equally. Low-income disinvested communities, or communities of color are prioritized (i.e. for green spaces, resilience hubs, parks etc.) Prioritize resilience capital projects by the potential to reduce risk to human life and critical infrastructure rather than based on income or tax value Display resilience capital projects on a map with underlying layers showing demographics such as race, income, etc. to visually show that investments are not only being made to benefit high-tax value and/or waterfront properties. This map should also speak to the amount of investment in different parts of the municipality, including disinvested areas Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any capital project on low-income, disinvested communities, or communities of color. Ensure the toolkit for each project is made public for accountability and discussion Ensure capital projects also take into account unintended consequences such as gentrification and provide solutions to mitigate/diminish negative impacts posed by solutions Ensure the burden of public funding for capital projects is equitable across communities Include a plan for upkeep and maintenance for any capital project List the affirmative acts of community outreach

2

Q77. 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 the annual update of the Five Year Community Investment Plan. Grant funding has been approved for construction of stormwater projects in two LMI neighborhoods. Link to FY24-27 AAA PDF <https://www.fortlauderdale.gov/home/showpublisheddocument/76364/638235643570470000>

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

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

Q80. What resources could assist you in advancing this action?

Skipped due to logic