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IP Address: 205.166.161.51

Q1. Local/Tribal Government
<i>Broward County</i>
Q2. County
Broward County
Q3. Key Staff Contact
Q3(a). Key Staff Contact: Name
<i>Jason Liechty</i>

Q3(b). Key Staff Contact: Title

Senior Environmental Project Coordinator

Q3(c). Key Staff Contact: Email Address

jliechty@broward.org

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 (CY2021).

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.

**Operational GHG inventories for the years 2008-2020. *Community-wide GHG inventories in 2007, 2008, 2010, and 2011-2014. *Three Climate Change Action Plans, in 2010, 2015, and 2020. *Participated in the development of Compact Regional Climate Action Plans, in 2012, 2017, and 2020. *Routinely convene an internal Government Operations Workgroup to discuss and track efforts to reduce GHG emissions. *In 2018, Broward County joined the Under2 Coalition of subnational governments committed to climate action limiting global warming to less than 2 degrees Celsius. *In joining the Coalition, the County agreed to set a Targeted Challenge for itself of purchasing only zero-emissions vehicles for its fleet after 2030. *On 9/21/2021, the Broward County Commission adopted a resolution to pursue net zero emissions in its operations and countywide by 2050 and approx. 50% reduction by 2030. *In addition, Broward established a goal to power at least 20% of its electricity needs with renewable energy. It is currently exceeding this goal, generating electricity from solar panels on County facilities, and offsetting all remaining electricity needs through solar via FPL's SolarTogether program. *The FY 2023 budget contains \$375,000 for development of a net zero strategy. *Broward highlighted its net-zero plans at the annual Broward Leaders Resilience Roundtable on 10/1/2021, and challenged the County's municipalities and tribal governments to adopt their own 2050 net-zero goals, targeting adoption by 75% of munis/tribes and 75% of population. *The County routinely participates in the planning and implementation of Compact communications and events, including newsletters, reports, surveys, website content, and workshops. *Broward County staff routinely make presentations to business and community groups on climate and resilience issues, including GHG and renewable energy goals.*

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 net-zero plan will prioritize policies and investments that provide benefits/co-benefits to low-/moderate-income residents and/or predominantly minority communities.*

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.:

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY2021).

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.

**Adopted a Community Energy Strategic Plan in 2015, which identified energy efficiency as a key countywide theme, including objectives to launch an energy awareness campaign and increase energy efficiency and conservation in buildings. *Energy Audit and Performance Consultant Services agreements with Siemens and ENGIE Services US (formerly OpTerra) in 2017 to identify and implement related efficiency improvements. Received investment-grade audit reports from each company in 2019. *Waste-to energy cogeneration project at North Regional Wastewater Treatment Plant. *EnergySense program conducts public outreach at events and has distributed products that reduce energy consumption. *Seal of Sustainability program certifies County programs and projects that meet the triple bottom line of sustainability – environment, economy, and community *Property Assessed Clean Energy program, which can be used to finance energy and water efficiency projects in residential and commercial properties, created 2016. *Local*

*building code amendments to improve water efficiency in cooling towers and plumbing fixtures. *Collaboration with Miami-Dade and Compact to increase cool-roof standards for new and substantially-renovated commercial buildings in Climate Zone 1A via proposed amendment to Florida Building Code . *LEED requirements for new County buildings. *NatureScape Florida-friendly/water-efficient landscaping educational/outreach program to homeowners, schools, munis. *NatureScape Irrigation Service provides water use audits of large irrigation systems and provides recommendations. *ConservationPay\$ program for high efficiency toilet rebates, free faucet aerators, low-flow showerheads, efficient pre-rinse spray valves. *Working with Compact to identify most effective/cost-efficient energy efficiency strategies for low/moderate-income households, via SEEA grant-funded project. *In discussions with Solar Energy Loan Fund regarding possible efficiency programs in Broward.*

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

2

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

**The SEEA grant work on energy efficiency strategies is focused on low/moderate income households. *Solar Energy Loan Fund programs are targeted at low/moderate income households.*

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.:

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY2021).

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.

**Community Energy Strategic Plan adopted 2015, solar as key theme *Renewable Energy Action Plan adopted 2014, led to policies requiring renewable energy as part of project proposals, ESCOs, ongoing funding for review of facilities for possible renewable energy installations. *GoSolar Florida program developed streamlined solar plans design system for local gov'ts, outreach/education to local gov'ts, residents, businesses. Funded by *DOE SunShot Initiative Rooftop Solar Challenge *Solar co-op programs 2019-2022 with Solar United Neighbors. *SolSmart Bronze-level designation in 2018. *LEED requirement for new County facilities. *Policy requiring solar on new facilities. *PACE program incl. solar adopted 2016. *100% clean energy goal, reached via participation in FPL SolarTogether program. *11 solar projects on County facilities completed, with 3 more pending. *Education/outreach: maintenance of GoSolar Florida pages, solar coops, PACE webpage*

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 County is looking closely at solar opportunities at emergency shelters and other critical facilities. *The County's GoSolar Florida program and SolSmart designation have helped reduce soft costs and other barriers to solar installations. *The County provides information on lower-cost solar installation opportunities and potential savings. *Broward has also strongly supported legislation to improve access to solar energy in Florida (and the US), including legalization of third-party sales of electricity/power purchase agreements and consumer incentives and protection of net metering.*

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.:

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

We actively advanced activities related to this priority action in this reporting year (CY2021).

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.

**Community Energy Strategic Plan (2014) identified transportation electrification as key countywide theme. *Commission adopted Under2 Coalition ZEV Targeted Challenge goal in 2018 to purchase only zero-emissions vehicles (wherever practicable) by no later than 2030. *Several analyses of existing electrical infrastructure, expected needs, deployment scenarios at County facilities. *Countywide EV charging needs analysis and deployment plan procurement set for FY 2023, covering important/underresourced community locations, including employment centers, multifamily housing, and low- and moderate-income communities. *County fleet electrification program plans to replace 1,000 gas- and diesel-powered light-duty vehicles with EVs by the end of the decade. As of 9/8/2022, the County has 50 electric vehicles in its fleet, and 84 charging ports. Policy now requires replacement of gas/diesel vehicles as standard practice. *Qualified Vendor List of multiple makes/models of EV charging equipment created 2022. *EV charging network management software procurement underway, completion set for FY 2023. *Established program allowing County employees to use fleet chargers for personal vehicles until needed for fleet. *To date, the County has purchased and accepted delivery of 12 electric buses, with 32 on order, and plans to convert the entire fleet by 2030. *Over the next decade, Broward County plans to invest millions in purchases of EVs, charging infrastructure, and software. This investment includes funds that would have been budgeted anyway for vehicle replacements, as well as additional monies to support fleet electrification.*

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 planned EV charging needs analysis and deployment plan will consider how to increase access to EV charging in low- and moderate-income communities and multifamily housing complexes to allow more residents to take advantage of electric vehicles for their personal transportation. *The*

County's fleet electrification efforts include replacement of diesel transit buses with electric models, reducing air pollution.

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

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

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.

**Community Energy Strategic Plan, adopted 2014, identified transportation as key countywide theme. *The County has a Mobility Advancement Plan (MAP), funded by a one-percent sales tax approved by County voters in November 2018. Among its goals is provision of better, more frequent public transit. The County's Mobility Advancement Program oversees the Mobility Advancement Plan of eligible county and municipal transportation projects funded by a 1-percent sales tax for 30 years, expected to generate \$10 billion. Approximately 40 percent of the funds will support transit operations and maintenance. *During the COVID-19 pandemic, Broward County launched a pilot teleworking program, allowing many County employees to work from home, which significantly reduced the number of vehicle miles traveled by employees. *Objective T2.5 of the Transportation Element of the Broward County Comprehensive Plan (2019) states that "Broward County shall advance transportation and land use choices that: reduce fossil fuel use and vehicle miles traveled." *Policy 2.14.10 of the BrowardNext Land Use Plan (2017) seeks better coordination of "multi-modal transportation and mixed land uses, which encourage a reduction in vehicle miles traveled..." *Complete Streets policies have been included in the County Comprehensive Plan since 2014 and are also a top strategy within the BrowardNext Land Use Plan and are included in County road projects, wherever appropriate. *The Mobility Advancement Program issues reports, maintains a full website, and works with other county agencies and municipalities to inform the public of its plans and investments.*

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

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

**Objective T2.6 of the Transportation Element of the Broward County Comprehensive Plan (2019) states that "Broward County, in collaboration with transportation and public health stakeholders will prioritize and evaluate equity and health outcomes in transportation decision-making to avoid disproportionate and disparate burdens on traditionally disadvantaged communities." This includes performing equity analyses to ensure that predominantly minority and low-income communities benefit equally from transportation improvements. *The County Commission adopted a 30 percent small business participation goal for Mobility Advancement Plan projects. *Stable funding for transit and plans for expansion promote equity in Broward. *Low- and moderate-income residents and residents from frontline communities disproportionately depend on transit, so better, more frequent service promotes equitable access to jobs, services, and recreation.*

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.:

(Did not answer)

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 (CY2021).

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.

**Broward County continually evaluates its organizational capacity to respond effectively to climate and resilience challenges. *In 2021, Broward County formed a 10-person Climate Resilience Unit within the newly-renamed Resilient Environment Department to focus on climate and resilience issues, including water and energy. The Department's new name also reflects the County's prioritization of "resilience" as a key operational and community value. *The County's Chief Resilience Officer/Deputy Department Director meets regularly not only with Division Directors within the Department, but also presents to and consults with top leadership across all County agencies. *County climate staff members conducted over a dozen Climate Change Toolbox Trainings for County employees over the course of several years, including climate science basics, likely regional impacts, and expected impacts on County operations. *County staff from a variety of divisions and departments regularly attend implementation workshops to build their capacity. (County staff also frequently participate in workshop planning.) *The County's Innovation Team and Enterprise Technology Services expanded their support for resilience activities in 2021-2022, including greater analysis of "big data."*

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?

**Staff in the Climate Resilience Unit and throughout the Department, as well as from many other county agencies, have participated in Dismantling Racism workshops presented by the Racial Equity Institute.*

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.:

(Did not answer)

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 (CY2021).

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 County has conducted multiple vulnerability assessments and has additional work planned. Analyses conducted to date include: • Countywide vulnerability assessments in 2012 (part of the*

*Compact regional vuln. Assessment) and 2021, with additional risk assessments to be conducted as part of the county's Resilience Plan (currently underway). • Priority Planning Area maps for areas subject to future SLR inundation in 2012, 2015, and 2019. • Vulnerability assessments prepared by County staff for coastal/tidally-influenced municipalities in Broward (2014). • Delineation of saltwater intrusion area (2014). • Urban heat island analysis of the county (2020). • Flood Risk Management Study for Tidally-Influenced Coastal Areas, conducted in cooperation with the US Army Corps of Engineers (2018) • Future Conditions Map Series (2017) --Groundwater table --100-year flood map * New urban heat analysis and maps covering the County in 2022. *Incorporation of Flood Factor data into the County's internal GIS database, allowing for whole-community queries, with special attention to vulnerable populations and geographic considerations. *The County plans to reevaluate groundwater table projections using a 3.3-foot SLR scenario, rather than the existing 2.5-foot scenario.*

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

2

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

**Increasing analysis of flood and urban heat impacts to vulnerable populations.*

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.:

(Did not answer)

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 (CY2021).

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.

**Broward County has released three Climate Change Action Plans, in 2010, 2015, and 2020, all of which have included adaptation and resilience actions. *The County has awarded a \$3 million consulting contract to Hazen & Sawyer to assist with the development Countywide Risk Assessment and Resilience Plan, which will look at specific risks and resilient investment needs in subareas of the county. *The County has created an Adaptation Action Area for the Port Everglades Inlet, to support implementation of a sand bypass project to collect sand deposited north of the inlet and move it to the south side of the inlet. This will allow the sand to continue its natural migration south, nourishing beaches in Dania Beach, Hollywood, and Hallandale Beach. *The County has active beach nourishment programs and installs dunes wherever practicable, with a goal of 80 percent shoreline coverage. *The BrowardNEXT Comprehensive and Land Use Plans include many adaptation and resilience policies.*

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

2

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

**The Broward County Climate Change Action Plan contains numerous actions related to public health, community resilience, and equity. *The County's increasing efforts to understand and*

respond to urban heat threats will be concentrated on vulnerable populations and communities. This includes the implementation of green infrastructure, such as improvements to the tree canopy.

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.:

(Did not answer)

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 (CY2021).

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.

**Broward County has officially adopted each version of the Compact Unified Sea Level Rise projection and requires its agencies to use it in all planning and investment decisions. *Community resilience is a major priority for Broward County; accordingly, it is considered in virtually all planning and decision making across agencies, especially those connected to the natural or built environment. *The BrowardNEXT Comprehensive and Land Use Plans mandate use of the Compact SLR projection. Resilience policies are woven throughout both documents. The Broward County Charter requires municipal land use plans to conform to the county's land use plan; accordingly, these policies also apply to Broward cities. *An update of the County's Enhanced Local Mitigation Strategy is currently underway; it includes urban heat impacts among the risks that must be mitigated.*

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

2

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

**An update of the County's Enhanced Local Mitigation Strategy is currently underway; it includes urban heat impacts among the risks that must be mitigated. Mitigation plans will be aimed at vulnerable populations and strategies that provide multiple benefits, such as green infrastructure (e.g., tree planting).*

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.:

(Did not answer)

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 (CY2021).

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.

**Broward County has adopted a number of resilience standards, based on the County's modeling and planning efforts, over the past several years: • Drainage infrastructure (2017) • Tidal flood barriers (2020), requiring a seawall elevation of 5 feet NAVD by 2050, allowing 4 feet NAVD until 2035 • 100-year flood elevations (2021) • Design storms (2021)*

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 County is pursuing risk reduction and community resilience actions in frontline communities. For example, since the late 1990s, Broward has worked to improve the North Fork of the New River, which runs through in a predominantly minority community. These efforts include shoreline and habitat improvements, water quality initiatives, replacement of exotic plants with native species, and greater public access and outreach. Volunteer events to clean up and restore these areas continues to the present day. Benefits include a higher-quality green space for residents, but also a greater ability for the area to store and treat stormwater, potentially mitigating flooding and pollution problems.*

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 (CY2021).

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 Broward County Climate Change Action Plans have included actions to support green infrastructure, green spaces, and a resilient built environment. *The County has initiated development of the Countywide Risk Assessment and Resilience Plan, which will provide the basis for large, sustained, coordinated capital investments in resilient infrastructure by all levels of government, businesses and other institutions, and residents. Special attention will be paid to the risks to frontline and low-/moderate-income communities, including flooding and urban heat.*

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 Housing Finance and Community Redevelopment Division has added air conditioning as an eligible project in its Minor Home Repair Program, to bring AC to more low- and moderate-income households. *Special attention will be paid to the risks to frontline and low-/moderate-income communities, including flooding and urban heat, in the Resilience Plan.*

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