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**Response No: 18**

Email ID: <u>L5191290</u>
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IP Address: 99.181.21.102

<b>Q1. Local/Tribal Government</b>
<i>City of Boynton Beach</i>
<b>Q2. County</b>
Palm Beach County
<b>Q3. Key Staff Contact</b>
<b>Q3(a). Key Staff Contact: Name</b>
<i>Rebecca Harvey</i>

**Q3(b). Key Staff Contact: Title**

*Sustainability & Resilience Administrator*

**Q3(c). Key Staff Contact: Email Address**

*harveyr@bbfl.us*

**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.**

*The City has contracted SustainaBase, LLC since 2016 to conduct the City's GHGs and track results in their online platform SustainaBaseTM. The platform has been customized for Boynton Beach to allow staff to track energy and resource use in City Operations and community-wide, to manage climate targets and commitments, and to track CAP implementation all in one place. The City committed to the Global Covenant of Mayors for Climate and Energy in 2018 and reports emission data and climate actions annually via the CDP (Carbon Disclosure Project) public platform. On March 3, 2020, the City adopted the 2020 Climate Action Plan (CAP) via Resolution No. R20-021, committing to local actions and policies to reduce greenhouse gas emissions. The CAP established GHG emission reduction targets of 50% reduction below 2015 levels by 2035 and Net Zero GHG Emissions by 2050. A Climate Action Workshop was held in October 2019, and results were used to categorize GHG reduction strategies in the CAP as low, medium, or high community priority. The Sustainability Coordinator conducts regular outreach about the CAP and greenhouse gas targets via community events, presentations, and FSDN/SSDN workgroups. In 2021 the City pledged to join ICLEI150- Local Governments for sustainability in the Cities Race to Zero initiative. In 2022 the City received its Science-Based Targets and High Impact Actions Analysis for the Race to Zero.*

**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 Global Covenant and Race to Zero require planning and implementing equitable climate action initiatives. The CAP aims to embed equity into climate action planning and implementation, primarily through eliciting diverse stakeholder participation and considering the impacts that the recommended strategies may have on vulnerable populations. The CAP references the “Climate Action through Equity” report by Portland and Multnomah County as a guide.*

**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.:**

*Boynton CAP2020\_3March2020.pdf*

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

*ICLEI150 Commitment Sign-On\_Boynton Beach.pdf*

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

*BoyntonBeachFL\_2017\_SBT.pdf*

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

Boynton BeachFL\_HIA\_May 2022\_80%grid.pdf

**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.**

*Since 2014, the City's Energy Edge Rebate Program provides rebates of up to \$1,500 to eligible City residents and small businesses for energy-efficient improvements, solar photovoltaics (PV), and electric vehicle supply equipment (EVSE). The City has agreements with four providers of Property Assessed Clean Energy (PACE) financing for energy efficiency, renewable energy, and wind resistance improvements to homes and businesses. The City has a Green Building Ordinance (last updated 2019) requiring the City to comply with a sustainable building rating system or a national model green building code for all government buildings, with incentives for private developments. In 2020, the City achieved Green Globes certification for the new City Hall/Library and Police Headquarters. In 2019 the Sustainable Development Standards ordinance was passed requiring new developments to incorporate sustainable design options, including requirements for EVSE, outdoor LED lighting and white roofs. The City built a district energy plant for cooling all buildings within the Town Square. The South Central Regional Wastewater Treatment Facility was upgraded in FY20/21 for efficiency and increased capacity. In 2017, the East Water Treatment Plant was upgraded for energy efficiency and received the Envision Bronze Award. HVAC and LED lighting are*

*being upgraded to LED in City facilities on an ongoing basis. Boynton Beach Utilities sponsors a 5th grade Water & Energy Conservation Education Program and disseminates conservation information at community events, on the website, and through social media.*

**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 Energy Edge Rebate Program redistributes revenue collected from developers (via the green building fee) back to community members to reduce energy burdens and offset the costs of energy efficiency improvements. The Water Conservation Education Program reaches households with high energy burdens by working with 5th grade classrooms throughout the Utilities service area.*

**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.:**

*19-011.pdf*

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

*ENERGY EDGE BRO 9-30-20 v3 - CLEAR COPY FIX.pdf*

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

*2020 Green Globes NC Certificate - One Green Globes.pdf*

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

*Chapter 4 Article XIII Sustainable Development Standards.pdf*

**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.**

*In 2011 the City installed a 7.35 kW rooftop solar PV system on Fire Station #5. In 2018 the City received SolSmart Gold designation for reducing the soft costs of solar energy, including committing to three-day expedited solar permitting. The City has conducted a preliminary evaluation of the potential for solar PV development on the closed municipal landfill. The Energy Edge Rebate*

Program provide rebates of up to \$1,500 for solar PV and solar hot water heaters. In 2017-2018, the City partnered with FPL's SolarNow Program to install two solar "trees" and two solar canopies at Oceanfront Park, and a solar canopy at Barrier Free Park. These installations generate 256 kW of electricity to the electricity grid. The City has partnered with Solar United Neighbors to promote Palm Beach County Solar Co-ops in 2018, 2019, 2021, and 2022. In September 2022, per Mayor's request, the Sustainability & Resilience Administrator is presenting to Commission on the feasibility of installing solar on City facilities. In August 2022 Commission approved spending some of the City's CDBG funds on solar panels for the Hester Community Center.

**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**

3

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

*The Energy Edge Rebate Program redistributes revenue collected from developers (via the green building fee) back to community members to reduce energy burdens and offset the costs of solar energy. Participating in SolSmart program reduces barriers to solar installation and reduces soft costs. The City provides expedited solar permitting. The City partners with Solar United Neighbors to provide education on lower cost ways for residents to go solar, and overall savings that can be gained from solar installation.*

**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.:**

*SolSmart Designation Letter\_March2018.pdf*

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

*Solar Feasibility\_Commission\_8Sept2022.pdf*

**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.**

*The Energy Edge Rebate Program provides rebates up to \$1,000 for Level 2 Electric Vehicle Supply*



*Equipment. The Sustainable Development Standards (Ordinance 19-027) require all new developments and major redevelopment projects to provide a Level 2 EV charging station (two EV parking spaces) for every 50 dwelling units in residential developments, and one per every 50,000 square feet of non-residential development. Currently the City is working on augmenting the standards with EV Readiness requirements. The City Fleet contains three battery electric vehicles (BEVs) used by the Community Standards department, has purchased numerous hybrid vehicles, and is researching available light- and heavy-duty BEVs. The City has six free Level 2 public chargers (11 EV spaces), plus two in staff parking lots. A location map of public EV charging stations is posted on the GoGreenBoynnton.com web page and is promoted via events, email newsletter, and social media.*

**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**

3

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

*The Energy Edge Rebate Program redistributes revenue collected from developers (via the green building fee) back to community members to reduce the costs of EV ownership. EV chargers are in public parking lots and high-use municipal facilities. Charging is free to the public as well as to City employees. Chargers at City parks are located in low- and moderate-income parts of the community. The City mandates EV charging in new commercial and multi-family developments.*

**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.:**

*Chapter 4 Article XIII Sustainable Development Standards.pdf*

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

*EV Charger Postcard\_31March2022.pdf*

**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 (CY2021).

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

*The City adopted a Complete Streets Mobility Plan in 2021. In 2020 the City passed a resolution adopting a "Vision Zero" goal and launched the Drive Safe Boynton program in 2021 to address speeding, cut-through traffic, and pedestrian/bicycle safety. The City is enrolled in Tri-Rail's Employer Discount Program (EDP) and observes Bike to Work Week and Florida Bike Month. The City has implemented a number of overlay zones including a Downtown Transit-Oriented Development District, and the Workforce Housing Program provides a 25% density bonus for eligible developments citywide that participate in the Program. The City offers lower parking requirements to eligible developments that implement sustainable design strategies that reduce reliance on automobiles, increase pervious area, promote pedestrian connectivity, and facilitate access to transit and ride-sharing programs. Bike amenities are added to future City facility construction & rehabilitation projects through the CIP process.*

**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**

2

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

*The "Drive Safe Boynton" initiative requires that residents come together with their neighbors to get a consensus about the need for traffic calming. The process is interactive between the residents and City staff. Staff will prioritize projects based upon a number of factors including data from traffic studies, accident history of the area, the number of impacted residents, and the severity of*

*the speeding problem. Vision Zero includes commitment to an equitable approach and outcomes, including prioritizing engagement and investments in traditionally under-served communities and adopting equitable traffic enforcement practices.*

**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.:**

*R20-013.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 (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.**

*The City of Boynton Beach began planning for climate change in 2008 through the leadership of a Green Task Force. The first Sustainability Coordinator was hired in 2017, moved from the Utilities Department to the City Manager's Office in 2021, and promoted to Sustainability & Resilience Administrator in 2022. In fiscal year 22/23 the City will hire a new Sustainability Coordinator to increase staff capacity to advance adaptation and resilience initiatives. In 2019, Boynton Beach signed an interlocal agreement with the Coastal Resilience Partnership (CRP) of Southeast Palm Beach County (seven municipalities and the County) to conduct a micro-regional climate change vulnerability assessment. The CRP has received three grants from FDEP's Resilient Florida Program, as well as pro-bono assistance from Harvard Law School's Emmett Environmental Law & Policy Clinic, and will continue to collaborate on funding opportunities, knowledge exchange, and adaptation projects. The City receives ongoing support for adaptation and resilience initiatives from Palm Beach County, the Southeast Florida Regional Climate Change Compact, Florida Sustainability Directors Network, Southeast Sustainability Directors Network, the Global Covenant of Mayors for Climate and Energy, and ICLEI – Local Governments for Sustainability, among other networks and partner organizations.*

**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

3

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

*In 2020-2021, the City conducted both a Diversity and Equity Assessment of City Systems and a Racial & Social Equity Comprehensive Community Needs Assessment. Staff is working to build and maintain relationships and trust with community-based organizations, key thought leaders, and residents in the areas of the City which have been disinvested. In addition, the Sustainability & Resilience Administrator has participated in racial equity workshops and trainings through the Compact and SSDN.*

**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.:**

*Sustainability Resilience Administrator Job - 48149\_rev\_2022May6.docx*

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

*NEW Sustainability Coordinator job description\_FY22-23.docx*

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

*191217 EXECUTED ILA.pdf*

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

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

*Boynton Beach participated in a multi-jurisdictional climate change vulnerability assessment (CCVA) in partnership with six neighboring municipalities and Palm Beach County (the CRP). The CCVA assessed 12 climate threats, five of which were spatially assessed at the parcel level: High Winds, Rainfall-induced Flooding, Storm Surge, Tidal Flooding, and Extreme Heat. The other threats were assessed via narrative analyses (Drought, Groundwater Inundation, Pest and Disease Outbreaks, Saltwater Intrusion, and Wildfire) or hybrid narrative-spatial analyses (Harmful Algal Blooms and Shoreline Recession). The assessment incorporates sea level rise scenarios based on current conditions (2020) and projections for 2040 and 2070. Vulnerabilities (and risks) were assessed for seven categories of community assets: critical facilities, water infrastructure, property, transportation and mobility, economic factors, natural resources, and people/socioeconomics. Vulnerability is based on the exposure, sensitivity, and adaptive capacity of an asset; risk is based*



*on the probability and consequence of a threat impacting an asset. City staff have access to the “AccelAdapt” web platform to interact with the data and integrate assessment results into planning and operations. In 2022, the CCVA was updated for compliance with the new Resilient Florida legislation, s. 380.093 F.S.*

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

3

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

*Multiple socioeconomic metrics are overlaid on all spatial threat assessments, within the interactive AccelAdapt platform, to identify areas with the most social vulnerability, examine intersections between social and physical vulnerabilities, and ensure that equity is prioritized when identifying adaptation investments. Socioeconomic data is also used in the ruleset for the Extreme Heat assessment.*

**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.:**



*CRP CCVA APPENDIX 9.pdf*

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

*COMPACT Workshop Slides\_FINAL\_13August 2021.pdf*

**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.**

*The City has not yet developed a community-wide adaptation/resilience plan with specific actionable strategies and timeframes. However, the CCVA provided a starting point for plan development with recommended adaptation strategies across six categories (Infrastructure; Land Use, Zoning, Building Codes and Standards; Planning, Policy, and Management; Capacity Building; Public Outreach; Funding and Financing) at both the regional and community-specific levels. The City also applied for a Resilient Florida Planning Grant in 2022 to develop a Critical Asset Adaptation Action Plan.*

**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?**

*During the development of the adaptation strategy portfolio following completion of the CCVA, equity was an important consideration for identifying and weighting strategies at both the regional and jurisdictional levels. Projects were selected to achieve substantive equitable outcomes by seeking to reduce disproportionate climate impacts, address the drivers of disparities, and build social cohesion. The CRP conducted a public engagement survey and two public webinars during the project, including one webinar led by The CLEO Institute. The team attempted to include underrepresented communities in the planning and formulation of adaptation strategies; however, the webinar format of public outreach (necessitated by the COVID public health emergency) made*

*this difficult. The City and CRP intends to develop a plan for diverse, equitable outreach to stakeholders throughout the study area, with a focus on frontline communities.*

**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.:**

*CCVA Appendix 2 - Boynton Beach.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 (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.**

*In 2016, the City updated its Comprehensive Plan with a coastal management element in compliance with “Peril of Flood” statute (Sec. 163.3178(2)(f) F.S.). In 2021 the CCVA provided draft goals, objectives, policies, and maps to designate Adaptation Action Areas, but these have not yet been adopted by the City. In 2019, the City Commission approved Ordinance 19-027 amending the Land Development Regulations to include “Sustainable Development Standards,” which requires new development and redevelopment projects to incorporate a certain number of site and building sustainable design options. These options include green infrastructure/low-impact development design options including rain gardens, bio-retention systems, rainwater reuse, permeable parking and sidewalk surfaces, green roofs, exceeding the required amount of canopy trees and open space, etc. In 2019, the City conducted a stormwater model update for the Downtown watershed to provide guidance for the planning of future stormwater improvements over a 10-year period. In 2020, the City adopted an updated 10-Year Water Supply Plan. Boynton Beach has an existing consumptive use permit and is working to expand its reclaimed water program to stay within the permitted allocation. The City adopted a Complete Streets Mobility Plan in 2021.*

**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**

1 - No progress

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

*none yet*

**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.:**

*7. COASTAL MANAGEMENT ELEMENT.pdf*

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

*Chapter 4 Article XIII Sustainable Development Standards.pdf*

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

(Did not answer)

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

(Did not answer)

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

(Did not answer)

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

Skipped due to logic

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

Skipped due to logic

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

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

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

*In 2020, the City completed its first citywide tree canopy assessment and adopted a goal to increase tree canopy coverage from 16.1% to 20% by 2035, which will entail planting 3,000 trees per year (Resolution No. R20-091). In 2022 the City conducted a Public Lands Tree Inventory and is aiming to develop an Urban Forestry Management Plan in the next fiscal year. The City improved its Community Rating System (CRS) score from Class 6 to Class 5, which will increase flood insurance premiums savings from 20% to 25% in the City's Special Flood Hazard area (SFHA) effective April 1, 2022. Properties outside of the SFHA will continue to receive a 10% discount. The Sustainability Office has drafted a Resilience Checklist for Capital Improvement Projects and is working cross-departmentally to integrate it into the process for identifying and prioritizing current and future capital projects.*

**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

3

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

*Tree Canopy Assessment identifies areas where low tree canopy coverage and high surface temperatures occur in communities of color and low-income disinvested communities. The draft CIP Resilience Checklist includes prioritization criteria for LMI communities.*

**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.:**

*R20-091.pdf*

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

*BoyntonBeachCanopy\_SinglesWeb\_compressed.pdf*

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

*Boynton-Beach-Inventory-Fact-Sheet\_ADA-Compliant.pdf*

**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.**

*In 2017 the City received Envision Bronze certification for the East Water Treatment Plant Upgrade Project, which included construction of a 6-mile-long pipeline to transport more water from the western wellfield to avoid over-pumping the coastal wells and reduce risk of saltwater intrusion. In 2011 the City completed construction of two Aquifer Storage and Recovery (ASR) wells which enabled storage of treated water during the rainy season and more consistent water availability during the dry season. The City is continually expanding its use of reclaimed water to irrigate golf courses, cemeteries, sports fields, and other big water users. The City has spent more than \$12 Million in the past six years on Capital Improvement Projects to improve stormwater management infrastructure. In 2022 the City was awarded \$16.5 million in CDBG-MIT grant funding to mitigate recurrent flooding in the San Castle neighborhood. The City has installed 4 tidal outfall valves in*



*residential neighborhoods near the Intracoastal Waterway. Tree Canopy Program: The City partners with local nonprofit Community Greening to plant hundreds of trees in public parks, other public spaces, and residential properties.*

**Q76. Is equity being embedded into Adaptation Action #6? Please indicate your progress toward embedding equity in this action with “1” indicating no progress and “5” indicating significant progress. Below are several suggested ways that a local/tribal government can embed equity into this climate action provided as supportive guidance. This is not meant to be exhaustive of every possible action. Respondents can include actions not included in this list. Engage and collaborate with the community as part of the development of the Plan Ensure at least 50% of the solutions come directly from community members and/or organizations that represent community members from disinvested communities Capital projects benefit all community members equally. Low-income disinvested communities, or communities of color are prioritized (i.e. for green spaces, resilience hubs, parks etc.) Prioritize resilience capital projects by the potential to reduce risk to human life and critical infrastructure rather than based on income or tax value Display resilience capital projects on a map with underlying layers showing demographics such as race, income, etc. to visually show that investments are not only being made to benefit high-tax value and/or waterfront properties. This map should also speak to the amount of investment in different parts of the municipality, including disinvested areas Use an Equity Toolkit to identify and correct any unintended impacts (and potential benefits) of any capital project on low-income, disinvested communities, or communities of color. Ensure the toolkit for each project is made public for accountability and discussion Ensure capital projects also take into account unintended consequences such as gentrification and provide solutions to mitigate/diminish negative impacts posed by solutions Ensure the burden of public funding for capital projects is equitable across communities Include a plan for upkeep and maintenance for any capital project List the affirmative acts of community outreach**

3

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

*Tree Canopy Program prioritizes communities of color and low-income disinvested communities. Community Greening employs staff and volunteers from these communities, and involved community members and community-based organizations (Healthier Boynton Beach) in development of the Urban Orchard at Sara Sims Park. Utilities and Public Works CIP projects consider socioeconomic vulnerability in prioritizing projects, such as the upcoming \$16.5M project for flood mitigation in the San Castle neighborhood.*

**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.:**

*170712-Award-Letter\_Boynton-Beach.pdf*

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

*San Castle press release.pdn*

**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