

2020 Climate Change Action Plan Implementation Update

Objective	Active Action - Implemented Steps
Plan Element: Policy	
1.) Contribute to local, regional and state climate planning efforts.	<ul style="list-style-type: none"> •Resilience Plan, RCAP 2.0, Updating the CCAP, Advocating for adoption of the Climate Action Pledge.
2.)Continue support for the Southeast Florida Regional Climate Change Compact (Compact).	<ul style="list-style-type: none"> •Promoting and working on the CCAT survey. •Assisting Miami-Dade with the Compact Summit (Nov.2023) •Promoting and contributing to the Southeast Regional Climate Change Compact virtual workshops.
3.) Lead advocacy for climate change policies and legislation.	<ul style="list-style-type: none"> •Providing support for new climate/resilience legislation. •Support adoption of the Climate Action Pledge.
4.) Maintain climate, energy & sustainability programming.	<ul style="list-style-type: none"> •Continue the support of the Sustainability Stewards of Broward County to include workshops, newsletters, and information sharing. •Continue implementing outreach initiatives such as climate change, energy, and sustainability presentations to the community and Broward County employees. •Continue the implementation of Broward County's foam and plastics policy. •Continue partnering with local municipalities on sustainability, climate change, and energy initiatives. •Continue the support of the Broward Solar Co-ops. •Continue engaging with diverse audiences about sustainability, climate, and energy topics through social media. •Department Continues to provide staff support to the Compact •Department Continues to provide staff support to the Climate Change Task Force.
5.) Continue Climate Change Task Force	<ul style="list-style-type: none"> •Updating the Climate Change Action Plan. •Continuing quarterly Climate Change Task Force Meetings.
6.) Engage technical support of state and federal agencies.	<ul style="list-style-type: none"> •Through collaboration with the Southeast Florida Regional Climate Change Compact, we are in the process of applying for the Federal Carbon Pollution Reduction Grant. •The department is also seeking various grant opportunities through FDOT & DEP.

7.) Adopt adaptation of at-risk infrastructure and facilities.	<ul style="list-style-type: none"> •Continuing to support adaptation of at-risk infrastructure and facilities.
8.) Support adaptation of at-risk infrastructure and facilities.	<ul style="list-style-type: none"> •Continuing to support adaptation of at-risk infrastructure and facilities.
9.) Address mitigation and adaptation policies in the Land Use Plan	<ul style="list-style-type: none"> •Providing an update on the groundwater plan to expose future conditions. •Reviewing land development codes for improvements.
10.) Surtax related initiatives	<ul style="list-style-type: none"> •No further action at this time. Focusing resources on other important areas of interest.
11.) Incorporate resilience criteria into the Broward County surtax project review process.	<ul style="list-style-type: none"> •No further action at this time. Focusing resources on other important areas of interest.
12.) Utilize resiliency checklist	<ul style="list-style-type: none"> •The department is currently doing an internal checklist/risk assessment focusing on implementation and success rates.
13.) Implement and promote Dark Skies outdoor lightning policy model ordinance.	<ul style="list-style-type: none"> •Convert street and pedestrian lighting to Light Emitting Diodes (LEDs) that adhere to Dark Sky Principles.
14.) Pursue amendments local and state codes to advance resilient design.	<ul style="list-style-type: none"> •BORA (Broward Board of Rules and Appeals) is currently working on Residential and Commercial Energy Guidelines in order to assist with code interpretation in order to allow for a more uniform application of the code throughout the county. •“Cool Roofs” amendment succeeded for commercial, homeowner side provides opportunity.
15.) Adopt environmentally-preferable purchasing policies and practices.	<ul style="list-style-type: none"> •On April 26, 2022, the Board of County Commissioners approved Resolution No. 2022-152, effective June 1, 2022, which restricts the purchase and use of plastic straws, plastic stirrers, polystyrene products (e.g., plates, bowls, cups, containers, lids, trays, coolers, ice chests) on Broward County property, as well as prohibits the outdoor use and release of Chinese lanterns and confetti on Broward County property.
16.) Abate the potential for climate gentrification	<ul style="list-style-type: none"> •Net zero scope and artist involvement in community project w/ Xavier Cortada. •Carbon Pollution Reduction Grant. •Compact RCAP implementation workshop, with a focus on these communities and affordable housing.

17.) Set a plastic waste reduction goal	<ul style="list-style-type: none"> • Unfortunately, Broward County cannot adopt a plastic bag ordinance due to preemption from state law.
18.) Re-evaluate the feasibility of shore power at Broward County's Port Everglades.	<ul style="list-style-type: none"> •No further action at this time. Focusing resources on other important areas of interest.
Plan Element: Healthy Community Objective	
19.) Pursue grants for community education projects.	<ul style="list-style-type: none"> •Working on obtaining the Broward Community Foundation Grant. •Demonstration sites using art / North County Beach site for public education. •Translation of languages for Quarterly Newsletters (already on the websites) •Real-time app for flooding. •Heat issues.
20.) Educate the community on climate change.	<ul style="list-style-type: none"> •Resilience tools are made accessible within the Resilience Dashboard such as the Flux Map, and Flood Factor which allow residents to learn and visualize their flood risk. •Currently building relationships with public health partners such as Dr. Cheryl Holder cofounder of Florida Clinicians for Climate Action through local research groups, workshops, and sessions e.g. Your Health in a Changing Climate held by League of Women Voters of Broward County. •Developed Beat the Heat Story Map and Extreme Heat Community Survey. •Now translating the Resilience website and newsletter publications into three languages. •Now translating the Resilience website and newsletter publications into three languages.
21.) Educate residents on climate risk.	<p>Currently working on improving education and outreach on the following:</p> <ul style="list-style-type: none"> •Hightide/King tide season info •Watershed master plan •Flood insurance •Working on Virtual Resilience Hub to bridge the gap between resilience resources and Broward residents, renters, businesses, and those facing housing insecurity.
22.) Engage volunteer corps.	<ul style="list-style-type: none"> •The department is not managing volunteers at this time but supporting efforts of AmeriCorps, MODS programs. •Continuing the volunteer intern program.

<p>23.) Educate and prepare for public health impacts.</p>	<ul style="list-style-type: none"> •Currently sharing heat advisories and heat -illness prevention tips across social media platforms. •Communications and messaging strategy on heat -work with health officials, OPC.
<p>24.)Encourage dialogue among elected officials, staff and socially-vulnerable populations about local climate impacts and community priorities to inform leaders of community needs.</p>	<ul style="list-style-type: none"> •Continuing to build relationships with elected officials, staff and communities to relay information on community needs, through annual roundtable discussion.
<p>25.) Build local food systems.</p>	<ul style="list-style-type: none"> •Working with Broward County Public Schools on programs that provide education for students/teachers/parents on growing edible plants, as well as installing food forests and community gardens at local schools. •Hosting annual Water Matters Day community-wide event that provides education for home gardeners to grow edible plants, as well as giving away edible trees/plants. •Partnering with community organizations and municipalities to host smaller-scale community events that provide education for home gardeners to grow edible plants, as well as giving away edible trees/plants. •Challenging residents, businesses, and schools to create NatureScapes and compete in the annual Emerald Awards Competition. Both programs encourage landscapes that are pollinator-friendly, helping preserve pollinator populations that support the food systems of our population relies on. •Providing education to residents and businesses through the Sustainability Program website, NatureScape website, and community workshops that encourage sustainable food systems.

<p>26.) Enhance the urban tree canopy to protect walkers, transit riders and bicyclists from heat and pollution.</p>	<ul style="list-style-type: none"> •Hosting annual Water Matters Day community-wide event that provides education for home gardeners to properly select and plant trees for shade, as well as giving away shade trees. •Partnering with national and local non-profits for grants that will increase the urban tree canopy. •Plan to leverage remote sensing and deep learning to track changes in canopy cover. •Working with Broward County Public Schools on programs that provide education for students/teachers/parents on expanding the urban tree canopy, as well as installing shade trees at local schools. •Partnering with community organizations and municipalities to host smaller-scale community events that provide education for home gardeners to properly select and plant trees for shade, as well as giving away shade trees.
<p>27.)Address social vulnerabilities through local government programs.</p>	<ul style="list-style-type: none"> •Flood Factor •Resilience Plan •Use Insurance models to explore options
<p>28.) Engage academia research</p>	<ul style="list-style-type: none"> •Our project w/ MIT •Our work on Sargassum •FIU flood monitoring •FIU Grant •Prioritize workforce development by engaging local universities, showcasing career path in resilience, and providing internship opportunities.
<p>29.) Engage and educate private sector stakeholders and community members about the resilience strategies for the built, natural and social environment</p>	<ul style="list-style-type: none"> •Working on funding an outreach program for the private sector (economic resilience workgroup) for this year. •Continue to expand resilience communications across social media platforms.
<p>30.) Reduce urban heat island effect</p>	<ul style="list-style-type: none"> •Expanding cool roof concepts not only at public schools but also on private commercial property.
<p>31.) Support community hubs that enable economic mobility, health mental health and safety for all community members</p>	<ul style="list-style-type: none"> •Planning of community hubs and "cooling stations" are underway. Also, seeking pilot and grant opportunities for both education and implementation opportunities.

32.) Ensure beneficial social equity and health outcomes by considering the impacts of land use policy, public infrastructure, public service and post-disaster recovery decisions on vulnerable populations.	<ul style="list-style-type: none"> •Continuing to ensure beneficial social equity and health outcomes when providing comment on land use policy, public infrastructure, public service and post-disaster recovery decisions.
33.) Review the effectiveness of regulation related to fertilizer pollution, total maximum daily loads, septic systems and pollution discharge and recommend improved regional approaches.	<ul style="list-style-type: none"> •No further action at this time. Focusing resources on other important areas of interest.
34.) Require recycling of construction and demolition waste.	<ul style="list-style-type: none"> •No further action at this time. Focusing resources on other important areas of interest.
35.) Implement on-site organics (food waste and yard waste) collection in commercial, single-family and multifamily properties, including food waste collection in high-volume locations.	<ul style="list-style-type: none"> •Engage community through sustainability stewards workshops. •Provide food waste reduction outreach through composting and recycle stations at public events. •Created a Zero-Waste Station at Water Matters Day to divert organics from landfills.
36.) Inform the public about regional climate indicators	<ul style="list-style-type: none"> •Working on spreading more awareness regarding heat and flood through outreach and the website.
37.) Increase community connection to nature	<ul style="list-style-type: none"> •Researching the benefits of mindfulness on health and the environment. Working on developing a program for BARC.
38.) Air quality programming	<ul style="list-style-type: none"> •Air Quality Awareness Month •Car Care Month •Outreach to public schools & public events. •Continue air quality sensor deployment & monitoring.
Plan Element: Transportation	
39.) Increase trips made by public transit by prioritizing intermodal centers / mobility hubs/stations, first-and last mile access and local bus/shuttle services. Provide high-capacity transit supported by complementary land use in and across communities.	<ul style="list-style-type: none"> •Lauderhill transit center-LEED certified. •PREMO- transit bus plan •“PeopleMover” project at the airport
40.) Optimize port function.	<ul style="list-style-type: none"> •A proposed initiative to create a flyover from I-595 (Eller Drive) to McIntosh Road. The intent of this project is to reduce congestion and queues during peak traffic periods on I-595 going directly into the Southport cargo yards.

41.) People mover (rail) between FLL & Port Everglades	<ul style="list-style-type: none"> •The people mover rail is now called Airport to Seaport Connector being led by Transit/Rail Division . This initiative is in progress and County Commission approved the Transit (PREMO) Plan during the June 13, 2023 meeting.
42.) Complete Streets	<ul style="list-style-type: none"> •Enhanced tree canopy & vegetation strips used as buffer. •Continue to implement context-sensitive complete street strategies as the default approach to transportation planning and projects as a group of partners including the County, Metropolitan Planning Organization (MPO), Florida Department of Transportation (FDOT), Regional Planning Council (RPC), municipalities and the private sector. •Complete Streets Design Guidelines 2.0 which has been adopted by reference in the County's Land Use Plan and the Transportation Element of the Comprehensive Plan. •In 2023, the USDOT awarded a \$5M Safe Streets for All (SS4A) grant to Broward County and the MPO to develop a regional Safety Action Plan.
43.) Identify transit market opportunities	<ul style="list-style-type: none"> •Not actively pursuing at this time. Investing resources in more urgent projects.
44.) Implement Transportation Demand Management (TDM) strategies including the expansion and encouragement of telework opportunities.	<ul style="list-style-type: none"> •Not actively pursuing at this time. Investing resources in more urgent projects.
45.) Operate and manage transportation systems and services efficiently.	<ul style="list-style-type: none"> •They are currently working on updating traffic lights.
46.) Coordinate with public and private sector partners to expand the use of electric vehicles and no-carbon fuel.	<ul style="list-style-type: none"> •Broward County is currently in the process of procuring both an Electric Vehicle Charging Infrastructure (EVCI) Strategy and a Net-Zero Plan in order to drive the community towards transportation electrification. •Working with the Air Program to revise the code on Parking Facility Licenses to include EV charging infrastructure for new permits.

<p>47.) Establish a clean fuel fleet.</p>	<ul style="list-style-type: none"> •The County currently has 70 EV Charging ports installed throughout its facilities and plans are in place for a total of 867 charging ports to be installed through the year 2026. •An Electric Vehicle Supply Equipment Qualified Vendor List (QVL) has been created to streamline the procurement process, with 80 dual-port chargers recently purchased from the QVL for immediate installation.
<p>48.) Electrify buses and fleet and install EV infrastructure.</p>	<ul style="list-style-type: none"> •Broward County Public Schools purchased several electric buses for the upcoming 2023/24 school year.
<p>49.) Maximize partnerships to further public EV knowledge, adoption, equitable access, and utilization.</p>	<ul style="list-style-type: none"> •Broward County's EVCI Strategy will include partnerships with multiple stakeholders, both in the creation of the strategy itself and its future execution. •The County has also submitted an application to the Department of Transportation's Charging and Fueling Infrastructure grant program in order to expand and accelerate its charging installations as well as community outreach aimed at equitable uptake in EV adoption.
<p>50.) Coordinate on EV charging infrastructure.</p>	<ul style="list-style-type: none"> •The county's multiple procurement and grant applications work in concert with one another to collectively move the community forward into a greener transportation system. The EVCI Strategy and Net-Zero Plan provide an overview for how to assess and implement transportation electrification goals. The CFI grant program and EVSE QVL improve the County's ability to make change at the speed necessary to meet ambitious emissions targets. Finally the EV Charging Network Management Software, in the final stages of procurement, will allow the County oversight into its owned charging infrastructure and the ability to measure outcomes.
<p>51.) Integrate dynamic adaptive approaches into processes leading to reduce vulnerability of transportation infrastructure and other investments.</p>	<ul style="list-style-type: none"> •Partnership with FDOT to review 5 yr. resilience plan. •2045 MPO plan-The 2045 Metropolitan Transportation Plan (MTP) was adopted on December 12, 2019 with an emphasis on environmental conservation. •Corporate projects

52.) Integrate dynamic adaptive approaches into processes leading to transportation and other investments.	<ul style="list-style-type: none"> •Lauderhill transit center-LEED certified. •PREMO- transit bus plan •“PeopleMover” project at the airport •2045 MPO program
53.) Coordinate to achieve resilience across transportation planning and investments.	<ul style="list-style-type: none"> •Provide resilience review of FDOT D4 multimodal projects. •Resilience plan
54.) Pursue shared drainage and water management infrastructure.	<ul style="list-style-type: none"> •Currently working on determining the locations of new groundwater monitoring wells installation. •C51 Restoration Partnership •Resilience Plan
55.) Use local and regional data and tools to inform resilience planning.	<ul style="list-style-type: none"> •Resilience Plan •Update on resilience standards •Extensive stakeholder process
56.) Maintain, update, and share high resolution elevation data.	<ul style="list-style-type: none"> •Partnership and collaboration with FDOT and SFWMD.
57.) Expand the use of technology and data analytics.	<ul style="list-style-type: none"> •Using drones to monitor and survey environmental conditions. In the process of procurement to obtain more. •Updating MyRide Broward app to include updates for when buses are not in service or have changed routes due to flooding. •Broward Blvd Pilot Project- small scale sensors focused on real time flood conditions/stormwater measurements.
58.) Pilot technologies and services.	<ul style="list-style-type: none"> •Broward Blvd Pilot Project- small scale sensors focused on real time flood conditions/stormwater measurements. •Use of lidar
59.) Partner on data and performance measurement.	<ul style="list-style-type: none"> •On going collaboration of data and performance measurement.
Plan Element: Built Environment	
60.) Sea level rise adaptation planning.	<ul style="list-style-type: none"> •Adopted Future 100-yr Flood Elevation Map in 2021 that accounts for sea level rise conditions in 2070. •In progress of updating the Future Conditions Groundwater Elevation Map to incorporate NOAA 2017 (or 2019 Compact Report) sea level rise projections.
61.) Improve inundation mapping capabilities.	<ul style="list-style-type: none"> •Updated Mike series model for application in the County's Resilience Plan. This includes storm surge, rainfall intensification, groundwater storage, and sea level rise.

62.) Encourage FEMA to consider sea level rise in flood map updates.	<ul style="list-style-type: none"> •County staff has supported FEMA in the use of applying sea level rise as a part of their updates. •Actively improving CRS reporting.
63.) Adopt new 100-year storm maps.	<ul style="list-style-type: none"> •Adopted Future 100-yr Flood Elevation Map in 2021 that accounts for sea level rise conditions in 2070.
64.) Update design storm criteria	<ul style="list-style-type: none"> •Currently updating the design for 10, 25, 100-year storms. While also expanding to include higher-frequency storms and rainfall events.
65.) Incorporate combined sea-level rise/storm surge impacts in hazard mitigation and adaptation planning.	<ul style="list-style-type: none"> •Storm surge & sea level rise impacts under various scenarios were evaluated and presented in the Enhanced Local Mitigation Strategy. •Reevaluating erosion control line/ reevaluating coastal hazards.
66.) Re-evaluate CCCL and CHHA for climate change impacts.	<ul style="list-style-type: none"> •Evaluating how sea level rise impacts beach profiles. A more detailed coastal study is needed. •Will have to conduct local modeling on sea level rise impacts to coastline and how it relates to the CCCL.
67.) Expand tidal monitoring.	<ul style="list-style-type: none"> •FIU Grant to expand tidal monitoring. Expanded tidal monitoring would assist in creating more accurate models. •USGS and academic collaboration County has two active local monitoring stations where sub-hourly tidal levels are being monitored - Deerfield Beach and Hallandale Beach.
68.) Provide and dedicate funding for long-term and regional monitoring and modeling.	<ul style="list-style-type: none"> •A new five year (2024-2028) groundwater monitoring agreement (in collaboration with USGS) is at the final approval stage - Funds are tentatively apportioned.
69.) Support research on the vulnerability of the built environment.	<ul style="list-style-type: none"> •FIU's Sea Level Rise Center through collaboration with the Compact, works with Broward and other Counties to develop science-based plans around exposure data.
70.) Collect LiDAR data.	<ul style="list-style-type: none"> •Current RFP out to obtain drones, in order to assist with future application for flood impacted areas.

71.) Research water resources adaptive technologies.	<ul style="list-style-type: none"> •FIU's Sea Level Rise Center through collaboration with the Compact, works with Broward and other Counties to develop science-based plans around exposure data. •Development of the Broward Blvd pilot project, which will provide sensors for flooding conditions.
72.) Analyze sea-level rise, rainfall, drainage, and hurricane impacts.	<ul style="list-style-type: none"> •Rainfall intensification projections updated from 13% to 20%. •Increasingly sharing and comparing strategies with other regions e.g. Jacksonville •Interregional coordination with SFWMD, Compact. •Incorporating sea level rise projections from 2019 Compact report in risk analyses.
73.) Analyze flood control level of service and compounded flooding.	<ul style="list-style-type: none"> •Coordination with relevant state agencies and the state CRO on compound flooding approaches.
74.) Develop dynamically adaptive management strategies.	<ul style="list-style-type: none"> •Development and implementation of the Integrated Water Resources Plan and the •Countywide Reuse Master Plan
75.) Apply models to develop resilient design standards.	<ul style="list-style-type: none"> •Continue to update the hydrologic model tools to adhere to countywide resilience planning, including the variable density model. Currently updating the MIKE SHE model in Countywide Resilience Plan to expand the domain and better represent the surface water drainage features. A new contract with USGS has been established in 2023 to develop a finer resolution variable density model to address saltwater intrusion.
76.) Enhance the resiliency of County-owned infrastructure and properties.	<ul style="list-style-type: none"> •Underway with development of the resilience checklist & risk rating tool. •Resilience Checklist •Resilient Florida Grant Program •DEO Project
77.) Improve the resilience of buildings and structures.	<ul style="list-style-type: none"> •Currently providing technical support with recommendations to include sea walls.
78.) Protect systems from infiltration and inflow.	<ul style="list-style-type: none"> •WWS and municipal utilities-I&I program.
79.) Maintain beaches.	<ul style="list-style-type: none"> • Sand Bypass Project • Segment III Shore Protection Project • Continue to plan for regular beach nourishment

80.) Retrofit flood control structures for sea-level rise.	<ul style="list-style-type: none"> •Continue to advocate for the C&SF Project. Urgent need to complete Section 216 Study, and then authorize, fund and construct project recommendations (pumps) by 2035. • Section 216 Study underway but underfunded at this time. • Comprehensive Study authorized but not funded.
81.) Coordinate local water management improvements.	<ul style="list-style-type: none"> •Coordinate local water management through the WAB and TAC, IWRP, and Regional Reuse Master Plan.
82.) Advance sanitary sewer connections	<ul style="list-style-type: none"> •There has been active support in policy review to bolster connection requirements and disclosures.
83.) Phase-out septic systems where necessary to protect public health and water quality.	<ul style="list-style-type: none"> •Conducted consensus to arrive at a rough estimate of septic systems within the county. •Continued discussions through the water advisory board meetings.
84.) Explore partnerships to achieve water management needs.	<ul style="list-style-type: none"> •Remains an area of interest, currently seeking opportunities through our work on the Resilience Plan.
85.) Engage the private sector in resilience initiatives.	<ul style="list-style-type: none"> • A virtual meeting was held for the Economic Resilience Work Group, to hear a proposal from Starmark regarding a proposed communication strategy. •The Resilience Plan Showcase offers examples of the resilience planning and action in the community. Information is updated on a regular basis. •Regional collaboration on a priority project: Central & Southern Florida Project.
86.) Convene a countywide forum for coordinated resilience planning.	<ul style="list-style-type: none"> •Annually host the Resilience Roundtable event, which inspired a change in the assessment tool. •Continued coordination with local stakeholders on the C&SF project.
87.) Develop and implement a countywide resilience plan.	<ul style="list-style-type: none"> • A countywide resilience plan has been developed and is in the process of being implemented.
88.) Emphasize adaptive pathways.	<ul style="list-style-type: none"> • Allowed for phased implementation of seawall ordinance and incremental height increase.
89.) Develop a resilience dashboard.	<ul style="list-style-type: none"> •Launched version 2.0 of Resilience Dashboard. With a new and more user-friendly landing page. •Internal use of flood factor data set.

<p>90.) Increase resilience and economic growth in an equitable manner.</p>	<ul style="list-style-type: none"> • There is a focus on supporting partnerships with organizations like the Urban League and the Hispanic Unity. • There is an equality component in the CPRG Grant planning. • Thoughtfulness in the planning and placement of EV charging in particular neighborhoods.
<p>91.) Continue to reduce the energy consumption of County operations.</p>	<ul style="list-style-type: none"> • Collecting emission inventory to establish a baseline of pollution intake and to promote cleaner fuel sources. Working towards establishing the electrification of the port.
<p>92.) Promote energy efficiency in the community.</p>	<ul style="list-style-type: none"> • Outreach to target private sector - chambers workshop, sustainability offices. Promoting private sector sustainability efforts such as featuring City furniture in Resilience! Newsletter. Provide tools for portfolio manager and other resources.
<p>93.) Expand renewable energy.</p>	<ul style="list-style-type: none"> • Collaborating and supporting partners pursuing solar opportunities within the community, through SUN and SELF.7 • County solar projects have come online since Q4 2020, adding 1.91 MW of capacity, with 2 more projects in planning and initial construction phases.
<p>94.) Advocate for strong climate, energy and resilience policies at the state and federal levels.</p>	<ul style="list-style-type: none"> • Continuing to promote these policies through strong advocacy and legislative programs. Such as investments for climate and resiliency planning - resilience plan, net-zero strategy, charging infrastructure investment plan. County EV infrastructure, grant funding to support watershed management plan.
<p>95.) Pursue stronger energy conservation and renewable energy standards in the Florida Building Code.</p>	<ul style="list-style-type: none"> • Successfully included commercial "cool roofs" into Broward County bldg. code. • Staff supports Broward County Board of Rules and Appeals (BORA).
<p>96.) Reduce the amount of waste going to landfills.</p>	<ul style="list-style-type: none"> • Supports the Waste Recovery Board. • Interlocal Agreement.
<p>97.) Engage the private sector to develop strategies for adapting energy infrastructure.</p>	<ul style="list-style-type: none"> • Continuation of the Climate Change Taskforce and providing review of FPL's "Real Net Zero 2045" Plan.
<p>98.) Increase natural area ecosystem resilience.</p>	<ul style="list-style-type: none"> • Invasive plant and Everglades fire prevention outreach through Natural Resource Division.

99.) Support ongoing coral reefs restoration and resilience activities.	<ul style="list-style-type: none"> •Ongoing coastal construction mitigation. •Support coral nursery investments (harvesting, re planting of outcrops). •Conducting surveys and monitoring through the marine program. Regularly report through outreach. •Working with NOVA in utilizing nurseries and out plantings for mitigation projects.
100.) Prioritize areas for living shoreline.	<ul style="list-style-type: none"> •Funding increase from 25 K to 35K for coastal dune projects (segment 3). •In the process of identifying sites for coastal living shoreline piolet project. •In the process of pursuing NOAA grant opportunities.
101.) Resilience planning for parks and open spaces.	<ul style="list-style-type: none"> •Collaboration with cities and Munis to develop informative signage on resilience efforts- North Hollywood Beach park and Sunview park. •NatureScape initiative of planting Florida native plants in parks. •providing support of community gardens and collaboration with public schools.
102.) Increase the availability of native regional plants.	<ul style="list-style-type: none"> •Through the NatureScape increase in demand. Master agreements.
103.) Assess non-point-source pollution and fate across the County to the ocean.	<ul style="list-style-type: none"> •Ongoing water monitoring w/ (FDEP) non-point source coastal water monitoring program; includes monitoring for nutrients and fecal bacteria.
104.) Reduce point-source pollution to protect coastal water quality.	<ul style="list-style-type: none"> •Project to evaluate fate and transport contaminants of concern as a function of sea level rise. Identify septic tanks and connections. •County adopted code amendments strengthening connection requirements and enforcement.
105.) Connect financing for development with restoration/preservation efforts.	<ul style="list-style-type: none"> •Maximized efforts to land preservation program and seeking new opportunities.
106.) Public outreach and education on the status of coral reefs and the effects of climate change and sea-level rise.	<ul style="list-style-type: none"> •Outreach and engagement through featured presentation at 2022 Youth Summit and through social media.
107.) Continue local water conservation programs.	<ul style="list-style-type: none"> •Conservation Pays program, and continued Broward NatureScape water partnership.

108.) Include climate change in updates of the Lower East Coast Plan.	<ul style="list-style-type: none"> •Provided active input on the Water Mangement District resilience plan.
109.) Seek future conditions analyses in regional water resources planning.	<ul style="list-style-type: none"> •Advocacy and partnership in C&SF resilience planning effort in support for the tri-annual everglades technical review, and the water management district's LOS studies, and FDOT projects and our own resilience planning.
110.) Investigate regionalization of water supply.	<ul style="list-style-type: none"> •Provide support through the IWRP grant process. •Completion of C51 reservoir.
111.) Incentivize integrated water management strategies.	<ul style="list-style-type: none"> •Continue to support countywide IWRP, planning, grant funding, and integrated stormwater management as part of county resilience plan.
112.) Develop alternative water supply strategies.	<ul style="list-style-type: none"> •Continue to support countywide IWRP, planning, grant funding, and integrated stormwater management as part of county resilience plan.
113.) Model the sustainable use of the aquifer.	<ul style="list-style-type: none"> •Contracted with USGS to update variable density model (saltwater intrusion to wellfields under sea level rise conditions).
114.) Update mapping and monitoring of the soil saturation zone.	<ul style="list-style-type: none"> •Using the Contaminant Mobilization Map relative to saturation zones to discover impacts of sea level rise and contaminated groundwater. •Currently funding the modeling of how groundwater is impacted by sea level rise.
115.) Evaluate the impacts of flooding of contaminated sites.	<ul style="list-style-type: none"> •Evaluated through risk rating process - identified and ranked contaminated of concerns and sites of concern (evaluated factors). Highest of concern for public health implications.
116.) Monitor the effects of water table rise on water quality.	<ul style="list-style-type: none"> •Continuing to monitor throughout network and working to site additional groundwater monitoring wells. •Also continuing to monitor water for fecal coliform as impacted by septic tanks.
117.) Monitor and protect wellfields.	<ul style="list-style-type: none"> •Investment to enhance monitoring network by installing two groundwater monitoring wells. •Updated the variable density model for saltwater intrusion.

118.) Undertake an integrated evaluation of monitoring efforts.	<ul style="list-style-type: none"> •Collaboration with USGS, municipalities and district to map wells for additional investment.
119.) Evaluate reuse water interaction with and impacts to the natural systems.	<ul style="list-style-type: none"> •Not actively pursuing at this time. Investing resources in more urgent projects.
120.) Implement stormwater reuse.	<ul style="list-style-type: none"> •Not actively pursuing at this time. Investing resources in more urgent projects.
121.) Implement wastewater reuse strategies.	<ul style="list-style-type: none"> •IWRP funding continues to be aligned with Broward water reuse masterplan. •WWS met all of its reclaimed water commitments.
122.) Evaluate reuse, considering sea-level rise.	<ul style="list-style-type: none"> •Continually working on the development and application of models considering sea-level rise to inform the next phase of planning.
123.) Increase the percentage of previous areas.	<ul style="list-style-type: none"> •Not actively pursuing at this time. Investing resources in more urgent projects.
124.) Promote green stormwater infrastructure.	<ul style="list-style-type: none"> •Have included the integration of green infrastructure in the resilience plan.
125.) Engage the community in flood mitigation programs.	<ul style="list-style-type: none"> •Promoted FEMA Flood Maps to mitigate personal flood risk. •Provide watershed plan for BMSD. •Pursuing CRS opportunities. •Conducted outreach events (FEMA flood maps workshops) for updating FEMA flood maps and spreading awareness.