



50by30: Hallandale Beach's Climate Action Plan

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Tonight's Presentation Outline

- Developing the Plan
- Goals of the Plan
- Actions

Developing this Plan

June 2020 – June 2021



Online Survey

- June – October 2020
- 116 responses
- Ranking of potential projects & open-ended questions.



Digital Engagement Tool

- October 2020 – June 2021
- 325 individuals visited the site
- Brainstorming, dropping pins on the map, questions, and guestbook.

Developing this Plan

June 2020 – June 2021



Staff Workshop

- 23 members of staff attended
- Utilized Climate En-Roads Simulation Tool with the help of Elaine Franklin, Environmental Sustainability Coordinator for the City of Hollywood
- Reviewed public input and identified obstacles or synergies



Public Meeting

- 5 members of the public attended including current and future members of the Sustainability & Flood Mitigation Advisory Board
- Reviewed the draft and provided feedback and suggested edits

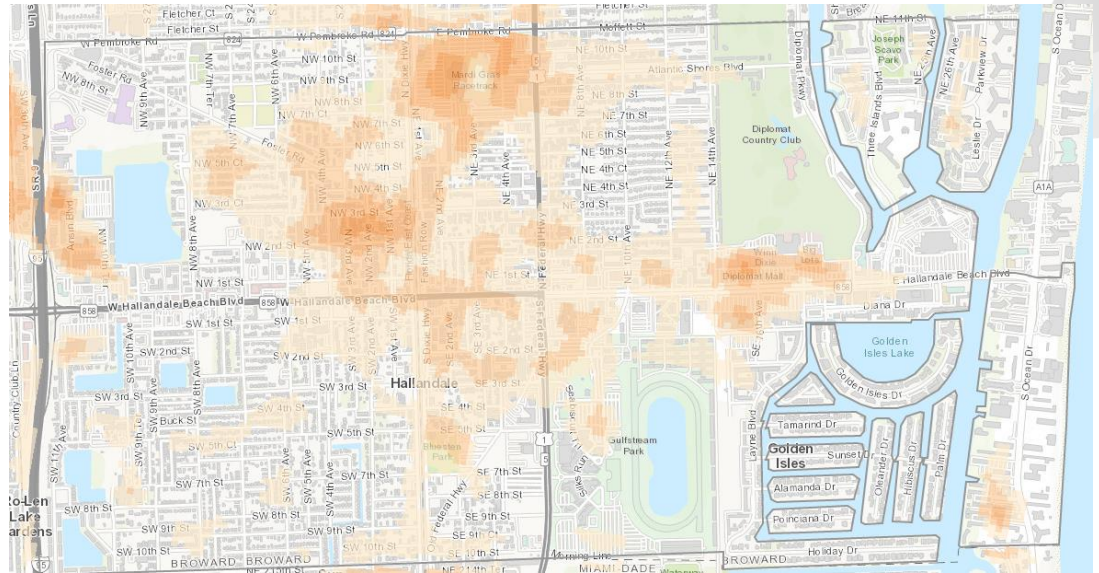
Goals of the Plan

Major Goal:

- Reduce community-wide emissions at least 50% by 2030

Quality of Life Goals:

- Improve the City's WalkScore®
- Reduce the average ambient temperature in areas of extreme urban heat island effect in the City
- Encourage the creation of 100 more certified wildlife habitats in the City
- Reduce barriers to EV ownership
- Empower our residents to repair & reduce things
- Employ members of our community to implement the Plan
- Achieve SolSmart Gold Designation to reduce solar soft costs
- Reduce overall solid waste generated in the City, diverting most of that remains to recycling and compost





	Actions	GHG Impact Timeline	Potential Partners	Equity Considerations	
EB-1	Require solar photovoltaics for new and substantially improved residential and commercial buildings, capacity required to be determined.		Short-Term	Broward County Solar Co-Op & Solar United Neighbors	Provide an alternative pathway for homeowners who can prove a high energy cost burden, low-to-middle income, or existing tree canopy. Also provide alternative pathway for affordable housing developments.
EB-2	Establish partnerships to provide low-interest loans for solar and energy efficiency improvements		Short-Term	Solar Energy Loan Fund, Broward County, & PACE Providers	Work to find a solution to support these improvements for homeowners who are unbanked, underbanked, or residing in a generational family home with no mortgage.
EB-3	Revise City Building Code by 2030 to require all new buildings be built to Net-Zero standards		Long-Term	Developers & Community Based Organizations	Ensure that community listening sessions and inclusive outreach guides the details of this change
EB-4	Promote the use of community solar programs in single and multi-family housing		Ongoing	Florida Power and Light (FPL)	Ensure the community knows about this through the Climate Change Ambassadors Program[i] & through multi-lingual print/digital outreach
EB-6	Establish building performance standards and benchmarking for existing buildings over 20,000 square feet and rental units		Long-Term	Florida Sustainability Directors Network, FPL, CRA, & Property Managers	Ensure we effectively communicate the cost savings/payback of energy efficiency
EB-7	Advocate for Florida Building Code changes that align with net-zero emissions by 2050		Ongoing	Florida Sustainability Directors Network, International Code Council	
EB-8	Support a National Price on Carbon		Ongoing	Citizens Climate Lobby	Advocate for the cost of carbon to not be passed down to the individual consumer wherever possible
EB-9	Explore all possible options to deploy floating Solar PV on Chaves Lake		Ongoing	FPL	Ensure the electricity generated services the homes in the immediate area; track any impact the panels have on ambient temperature and mitigate should it increase ambient air temperature
EB-10	Support the Florida Public Service Commission in establishing more rigorous energy efficiency standards and renewable energy goals for Florida utilities		Ongoing	Florida Sustainability Directors Network, Southeast Sustainability Directors Network, Southeast Alliance for Clean Energy	Be deliberate in our requests that any goals or standards would benefit, and not cause harm to communities and people who are energy-cost burdened
EB-11	Support the Federal Government's efforts to electrify buildings and transition to carbon-free electricity by 2035		Ongoing	Urban Sustainability Directors Network, Southeast Sustainability Directors Network, Southeast Alliance for Clean Energy	Advocate for those who are energy cost burdened to be not financially impacted by this transition

Actions

Energy & Buildings

Actions

Low Emissions Mobility



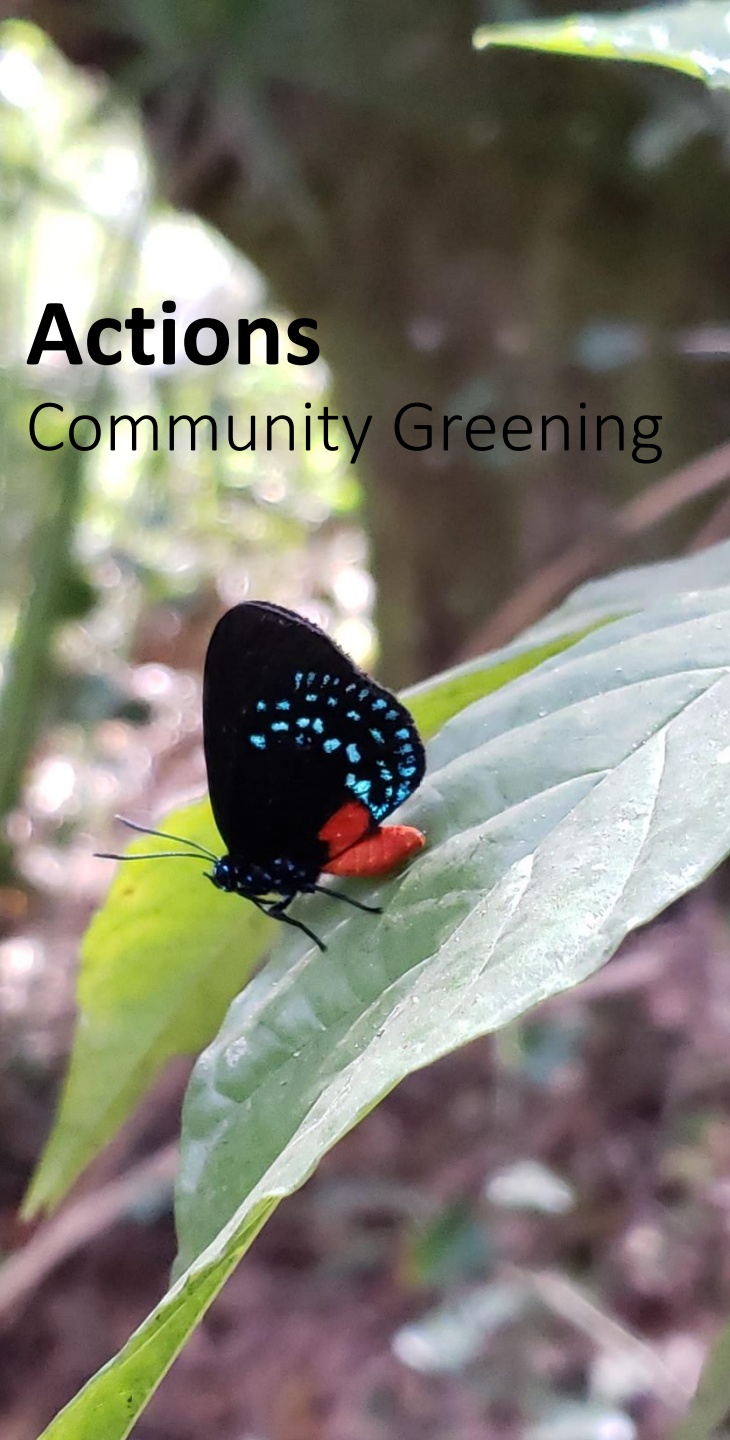
	Actions	GHG Impact	Timeline	Potential Partners	Equity Considerations
MT-1	Improve city-owned bus shelters by adding trash receptacles, fans, working lights, more routine cleaning, shade where shade is lacking, and ADA accessibility		Mid-Term	Broward MPO, Broward County Transit, & Florida Department of Transportation	Ensure that these improvements are made throughout the City and not just in areas where we receive more complaints.
MT-2	Develop street standards incorporating protected bike/pedestrian areas/lanes to make streets safer and more welcoming to pedestrians and cyclists		Mid-Term	Broward MPO, Broward County Transit, & Florida Department of Transportation	Ensure that these standards also include improvements for ADA accessibility & that they are applied city-wide. Engage Climate Change Ambassadors in providing safety information related to mixed mobility transportation.
MT-3	Deploy micro-mobility such as e-scooters and e-bikes (and their chargers where appropriate) throughout the transit network in the City		Short-Term	Private businesses	Look into micro-mobility options which can also be deployed for non-able-bodied residents/visitors. Deploy micro-mobility city-wide.
MT-4	Require EV charging in all new commercial development and redevelopment, including multi-family housing		Short-Term		Encourage EV charging at commercial developments to either be free or market rate; encourage the state to regulate the cost of EV charging to avoid price gouging.
MT-5	Establish an incentive for existing residential and multi-family commercial buildings for electric panel upgrades and EV chargers		Mid-Term		Ensure the value of the incentive is fair across different types of development; Time deployment of this incentive with MT-7; Ensure the community knows about this incentive program through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach
MT-6	Establish long-term bike parking requirements		Short-Term	Community-based organizations	
MT-7	Provide incentives for low-to-moderate income residents who buy used EVs		Mid-Term	Department of Motor Vehicles	Ensure the community is educated about this through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach.
MT-8	Install EV chargers at all City buildings and parks and also along public right of way where feasible		Mid-Term	Local vendors	Provide level 2 charging for free in as many locations as possible
MT-9	Replace our current minibus fleet with electric busses			Broward County & Florida Department of Transportation	Keep the minibus fare-free
MT-10	Develop and Adopt a Bike & Pedestrian Master Plan for the City		Short-Term	Community stakeholders and organizations	Ensure the Plan is community-driven and human-centered. Incentivize resident stakeholders who primarily use bike/pedestrian infrastructure to get around to share their lived experience and expertise.
MT-11	Ensure our minibus fleet includes technology to reliably track the minibus in real time via mobile phone app		Short-Term	Broward MPO & Broward County	Provide easy-to-read paper schedules at bus stops for residents without smartphones

Actions

Community Waste



	Actions	GHG Impact	Timeline	Potential Partners	Equity Considerations
W-1	Mandate recycling city-wide		Short-Term	Private Haulers	Consider writing the Ordinance so that there is a fee cap for the amount of money that can be passed down to unit owners/renters in multi-family housing
W-2	Promote individual, building-wide, and/or commercial composting including participation in compost pick-up services provided by local vendors		Short-Term	Local Compost Pick-Up Businesses	Consider issuing an RFP and creating a drop-off location for low-income residents who wish to compost but cannot pay the monthly cost
W-3	Host Repair Fairs		Mid-Term	Local Businesses & Craftspeople	Prioritize the inclusion of local vendors & BIPOC owned businesses to be featured at the Repair Fairs
W-4	Develop targeted campaigns for recycling material with the highest emissions reduction impact		Short-Term	Climate Change Ambassadors	Ensure the community is educated about proper recycling through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach
W-5	Encourage the recovery or destruction of high Global Warming Potential refrigerants by EPA Certified Refrigerant Reclaimers in commercial businesses		Short-Term	EPA Certified Refrigerant Reclaimers & Commercial Businesses	Ensure the community is educated about the importance & payback of this action through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach
W-6	Promote the reuse of goods through sharing information for landfill alternatives using online platforms like Freecycle		Ongoing	Freecycle , Human Services, & Community Based Organizations including Thrift Stores and houses of worship	Ensure the community is aware of these alternatives through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach
W-7	Explore options to reduce single-use plastic consumption within City given existing state preemption.		Ongoing	Surfrider Broward, Debris Free Oceans, Hallandale Beach Chamber of Commerce, and other Organizations	Ensure members of the small business community and also differently abled residents are part of the conversation before anything is passed.



Actions

Community Greening

Actions		GHG Impac Timeline		Potential Partners	Equity Considerations
G-1	Plant shade trees, especially in heat island areas of the City		Short-Term	UF Agricultural Extension Office	Provide multi-lingual literature on how to trim trees, offer workshops on tree-trimming, establish an Urban Forestry program/Pledge that will focus on trees planted in right-of-way
G-2	Establish an Urban Forestry program to employ and train local residents		Short-Term	UF Agricultural Extension Office; International Society of Arboriculture	Train & employ local residents to become certified arborists, utilizing trees planted in right-of-way as practice
G-3	Promote community gardens and other forms of urban agriculture		Mid-Term	Urban Health Partnerships, Dania Beach PATCH, & community-based organizations	Assess current code to remove obstacles to urban agriculture; establish an easy & affordable process to get urban agriculture approved; consider providing sargassum compost to community gardens directly
G-4	Expand the Community Wildlife Habitat Program		Ongoing	Broward County & National Wildlife Federation	Ensure the community is educated about this through the Climate Change Ambassadors Program & through multi-lingual print/digital outreach. Create a small-grant program to cover the certification costs for low-to-middle income residents.
G-5	Promote waterway, coastline, and street litter clean-ups		Ongoing	Community organizations	Ensure that these litter clean-ups happen City-wide and not just in areas with the most complaints



Actions

Government Operations

	Actions	GHG Impact Timeline	Potential Partners	Equity Considerations
GO-1	Commit to City Operations being powered by 100% renewable energy by 2040	Long-Term	State of Florida, FPL, Department of Energy	
GO-2	Install 1 MW of solar on City Facilities	Short-Term	Local Vendors	Prioritize hiring vendors from local and/or BIPOC owned businesses
GO-3	Participate in FPL Solar Together for remaining energy consumption need of City Facilities	Mid-Term	FPL	
GO-4	Replace any natural/fossil gas appliances or infrastructure in City Facilities with electric alternatives by 2040	Mid-Term	Local Vendors	Prioritize hiring vendors from local and/or BIPOC owned businesses
GO-5	Deploy GPS tracking for fleet vehicles to right-size our fleet	Mid-Term	Local Vendor	
GO-6	Replace 100% of light-duty administrative fleet vehicles with EVs	Ongoing	Climate Mayors	Promote the auction of EVs to local residents once they need to be replaced
GO-7	Replace Police Vehicles with Hybrids until pursuit rated EVs are available and look for opportunities to use EVs when pursuit rated is not required.	Ongoing	Climate Mayors	Promote the auction of hybrids to local residents once they need to be replaced
GO-8	Add more Sustainability staff to the City Manager's Office of Grants Management, Sustainability, & Innovation	Short-Term	AmeriCorps and/or Civilian Climate Corps	Hire locally whenever possible
GO-9	Amend internal Sustainable Practice Policy to include requirements to only purchase HVAC and refrigerator equipment with refrigerants with a global warming potential of less than 150	Short-Term	EnergyStar and EIA Global	
GO-10	Review options and plan for future renewable/clean energy options for emergency backup power at City Facilities	Long-Term	Florida Department of Emergency Management	Do a review of any potential options to ensure there is no burden on our local community in terms of environmental justice
GO-11	Create a Fleet Electrification Plan which includes medium and heavy-duty vehicles wherever feasible	Mid-Term	Southeast Alliance for Clean Energy & Electrification Coalition	Take into consideration the air quality benefits when determining the maximum number of medium and heavy-duty vehicles that can be transitioned
GO-12	Utilize cool pavement in public projects	Short-Term		Prioritize this work in heat island areas of the City
GO-13	Experiment with carbon sequestering cement in public projects utilizing cement and report back regarding the quality and feasibility of scaling up the use of this type of material	Short-Term	Private Businesses	
GO-14	Require movement of traffic (MOT) for pedestrians and ADA access be reviewed and sufficient for future development and city projects	Short-Term	Accessibility Advisory Board & Broward County	Ensure members of the community who use pedestrian infrastructure, both able-bodied and differently-abled, approve of the way in which this requirement will be written and implemented
GO-15	Improve access to cooling centers	Long-Term	Broward County & Commercial Businesses throughout the City	Prioritize cooling centers in areas facing high indoor heat burden, air pollution, or urban heat island effect; ensure that the cooling centers are viewed as a safe space to community members



Actions

Engagement & Partnerships

Actions		GHG Impact	Timeline	Potential Partners	Equity Considerations
EP-1	Establish a green business certification in partnership with the Hallandale Beach Chamber of Commerce		Short-Term	Hallandale Beach Chamber of Commerce & Local Businesses	Establish this program in such a way that there are different levels of certification & that small businesses are not excluded but rather are highlighted more often
EP-2	Establish a Sustainable Homes initiative similar to the Green Business Certification for households to participate in and gain recognition		Short-Term	HOAs, Condo Associations, Neighborhood Groups, Community-based organizations	Ensure activities in the Sustainable Homes initiative are accessible to people of varying income and homeownership situations
EP-3	Create a local Climate Change Ambassadors program to encourage the community to participate		Ongoing	Community-based organizations faith-based organizations, & schools	Encourage volunteers to be part of the program but also hire local members of underserved communities who are interested in climate change to do part-time outreach.
EP-4	Host community conversations throughout Plan implementation			Community-based organizations & schools	The focus of these meetings should be City staff listening to the lived experience of our community members
EP-5	Increase outreach, including educational signage, about the benefits of the City's carbon-cutting actions and what residents/businesses can do		Mid-Term	Local language interpreters	Ensure all print/digital outreach materials are provided in languages spoken throughout the City and are accessible to those with disabilities
EP-6	Promote co-working, thrift stores, plant-based restaurants, and ride-share hub type businesses in the City		Ongoing	Economic development agencies, various businesses within the gig economy, & developers	



Thank you!
Questions?