

**PROMISES
KEPT AND
PROGRESS
MADE**

RESILIENCE AND CLIMATE ACTION



MIAMI-DADE COUNTY
OFFICE OF THE MAYOR
DANIELLA LEVINE CAVA

Miami-Dade County is tackling climate change on all fronts, including extreme heat, Biscayne Bay restoration, adaptation to sea level rise and flooding, tracking and reducing greenhouse gas emissions, and reducing waste by exploring ways to create a circular economy.

We aim to foster an inclusive, agile, open and transparent environment focused on efficient cost-effective solutions. Emphasizing the power of our collective impact, we collaborate across departments to integrate resilience into all aspects of the county's operations and services and we're strengthening coordination among our 34 municipalities and with partner universities and non-for profit organizations through our work to implement the Resilient305 Strategy. As a product of our regional collaboration efforts, South Florida was recently named one of over 30 Tech Hubs in the nation, the only one focused on climate tech.



GOING ELECTRIC

- This Spring, we are launching the nation's most aggressive rollout of "shore power" at PortMiami
- Miami-Dade County is now operating one of the largest zero-emissions electric bus fleet among public transportation agencies in the country.
- We are advancing our goal to electrify the County's vehicle fleet by 2030
- Our Department of Solid Waste Management purchased its first-ever electric-powered waste collection truck
- The Parks, Recreation and Open Spaces Department is replacing its mowers with eco-friendly electric ones



BUILDING RESILIENCE

- Installed two of three large-scale solar energy systems on County-owned buildings: North Dade Regional Library, Metrowest Detention Center, and Gibson Plaza
- Miami-Dade Fire Rescue started the first of many resilient solar powered fire stations with the construction of the Dolphin fire station in Sweetwater
- More than 140 buildings have enrolled in the voluntary BE305 Challenge to cut energy and water consumption
- Successfully proposed changes to the Florida Building Code to require cool roofs for low-slope commercial roofs in South Florida.
- Created more resilient and walkable communities near mass transit through new land-use changes
- Completed over 3,000 total units of affordable housing with Green Building Certification



PROTECTING OUR BAY AND DRINKING WATER

- Appointed our region's first Chief Bay and Water Resources Officer.
- Released an update to the Biscayne Bay Economic Study which confirmed that our bay generates \$64 billion each year.
- Implemented the County's fertilizer ban for the summer months and provided education and training to prevent the pollution caused by the use of fertilizers during the rainy season.
- Launched "Connect 2 Protect", a multi-year program to replace compromised septic tanks and connect thousands of properties to the County's sewer system.
- Worked with the Board of County Commissioners to enhance penalties and fines for those who are caught illegally dumping in the Bay or any other body of water.
- Initiated the Water and Sewer Department's Effluent Energy Recovery System designed to provide cooling to buildings at wastewater treatment plants and reuse treated water, dramatically increasing the County's water recycling and recovery commitment from 15 million gallons per day to more than 100 million gallons per day and incorporating the use of renewable solar energy.



PROTECTING OUR RESIDENTS FROM EXTREME HEAT

- Appointed the world's first Chief Heat Officer and declared a heat season
- Planted over 16,000 trees and gave away over 10,000 trees, prioritizing plantings in lower income neighborhoods with less than 20% tree canopy
- Installed 1,700 energy efficient AC units in public housing for residents without air conditioning
- Activated cooling sites at our parks and libraries
- Provided water and cooling towels to our unsheltered population
- Delivered heat health training to over 400 volunteers, staff and summer camp providers
- Partnered with the National Weather Service and Department of Emergency Management to pilot an update of protocols for heat advisories and warnings.



GETTING TO ZERO WASTE

- The mayor has committed to chart a path to zero waste for Miami-Dade, which will require a wholesale reimagining of our solid waste and wastewater systems throughout the County.
- Launched the Plastic Free 305 campaign to celebrate Miami-Dade County businesses dedicated to reducing or eliminating the purchase and use of single-use plastics through adopting reuse and sustainable replacement strategies.

