

PALM BEACH COUNTY ENVIRONMENTAL CROSS-DEPARTMENTAL TEAM



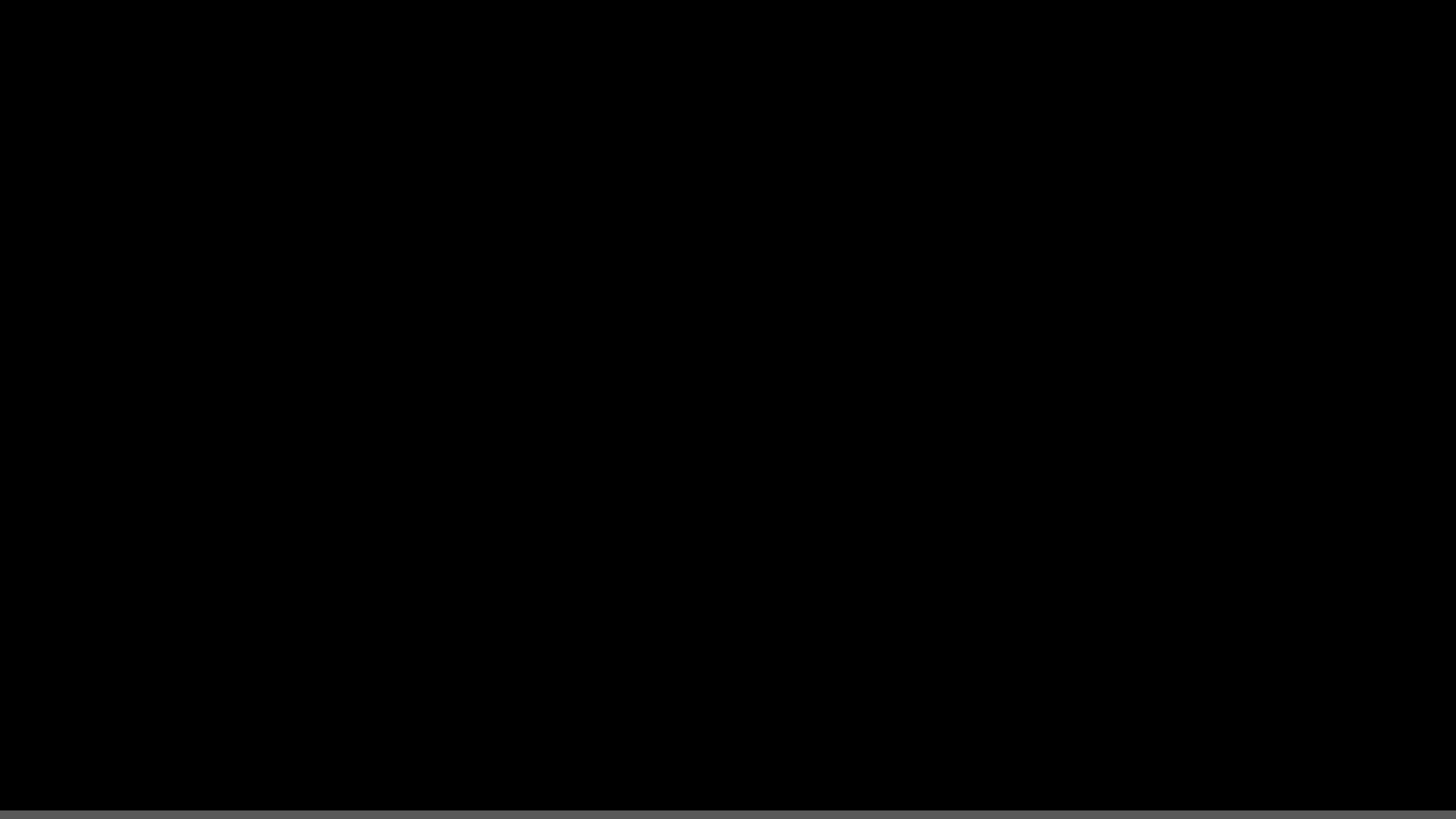
Strategic Planning and Performance Management

November 23, 2021



HIDDEN WILD





ENVIRONMENTAL CROSS-DEPARTMENTAL TEAM



- **Community Revitalization (OCR):**
William Wynn, Houston Tate
- **Cooperative Extension Service (CES):**
Ron Rice, Laurie Albrecht
- **Engineering & Public Works (EPW):**
Steve Carrier
- **Environmental Resources Management (ERM):**
Matthew King, Deb Drum
- **Facilities Development & Operations (FDO):** *Rebecca Dougherty, John Tierney*
- **Libraries:**
Jayme Bosio
- **Palm Tran:**
Chad Hockman, Charlie Boettiger
- **Parks & Recreation:**
Dave Farmer
- **Planning, Zoning & Building (PZB):**
Sussan Gash, Ramsay Bulkeley
- **Resilience (OOR):**
Megan Houston, Natalie Frennberg, Madison Bennett
- **Financial Management & Budget (OFMB):**
Keith Clinkscale, Marcela Millett, Ken Nash
- **Water Resources:**
Jeremy McBryan
- **Water Utilities (WUD):**
Ali Bayat, Krystin Berntsen

ENVIRONMENTAL PROTECTION GOALS



1. Sustain healthy, vibrant beaches
2. Maintain diverse, resilient ecosystems
3. Protect and support human health, safety, water quality and quality of life
4. Ensure positive environmental experiences for residents and visitors
5. Promote sustainable, resilient practices and principles
6. Preserve and enhance our thriving agriculture

Goal 1. Sustain healthy, vibrant beaches

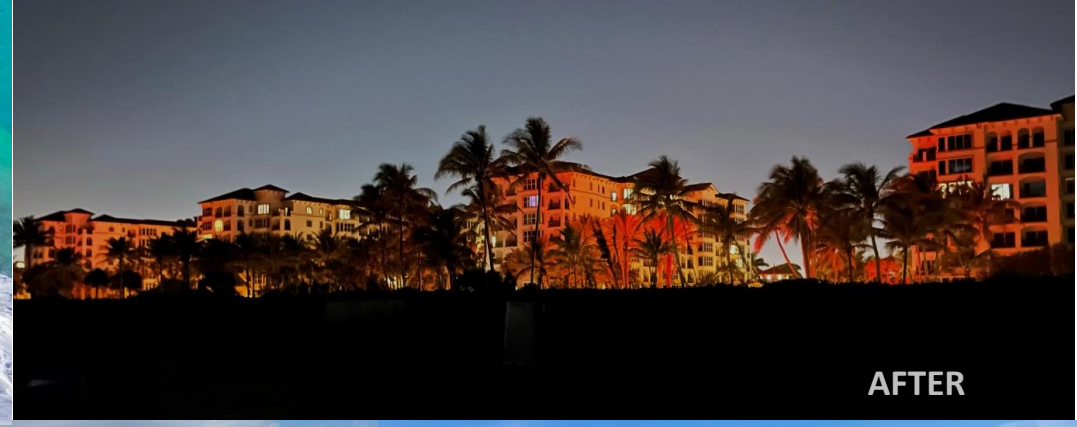
Placed approximately 2.1 million cubic yards of sand on the County's beaches

Juno Beach Re-nourishment



Conducted 3 rounds of regulatory sea turtle lighting inspections.

BEFORE



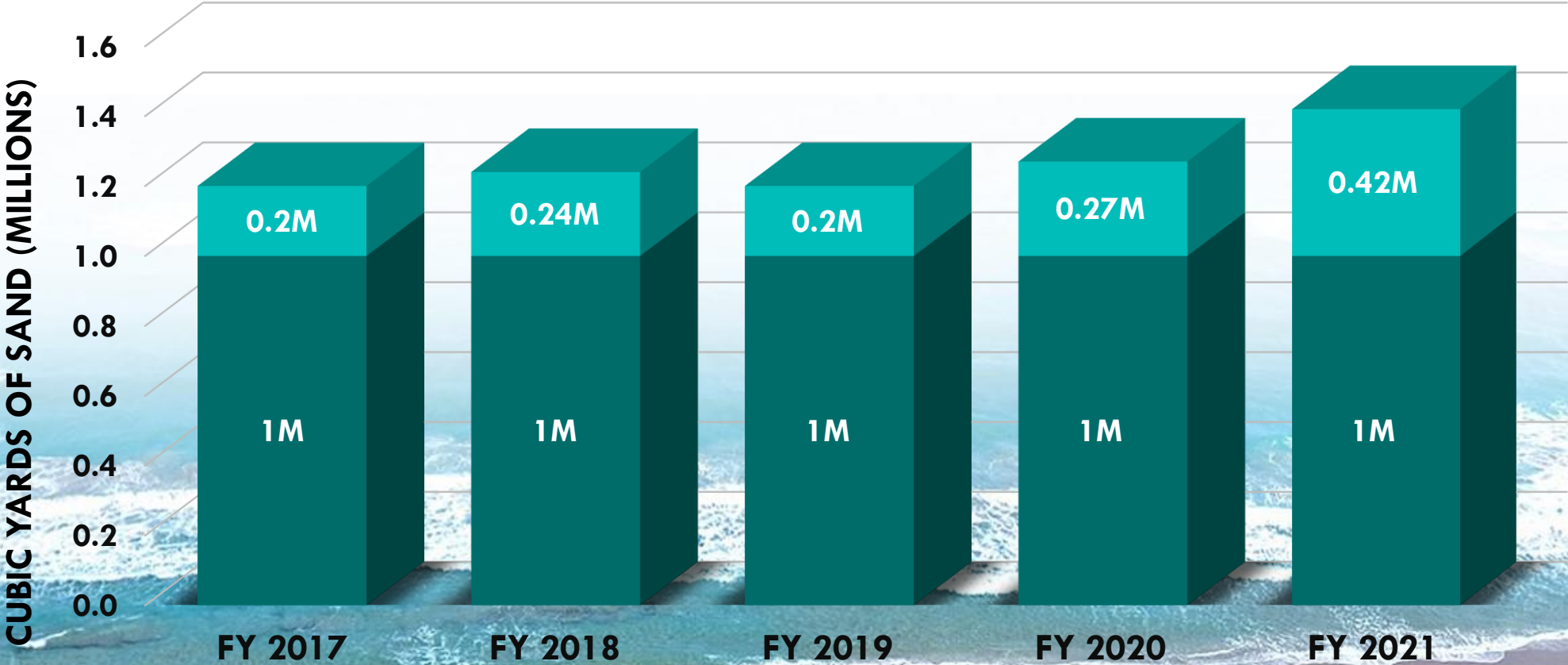
AFTER

Monitored fecal coliform bacterial levels and improved educational signage at 7 county beach parks

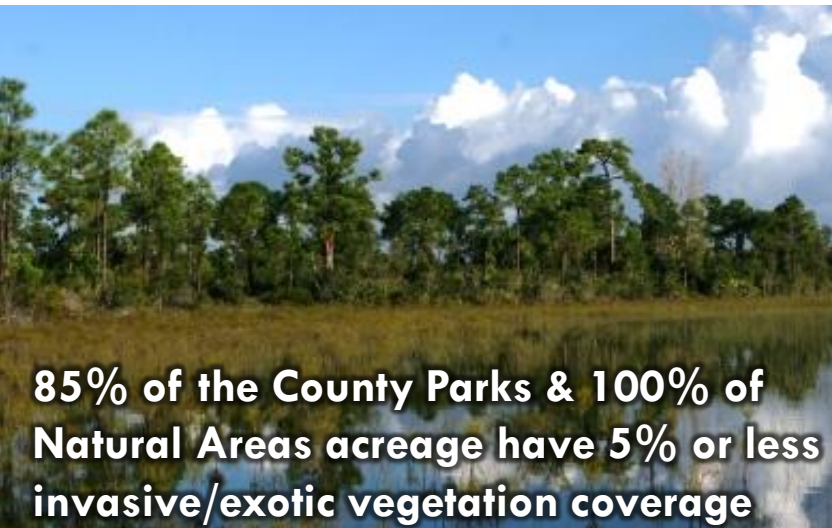


Goal 1. Sustain healthy, vibrant beaches

The 11 year moving average of greater than 1M cubic yards of sand placed on beaches County-wide



Goal 2. Maintain diverse, resilient ecosystems



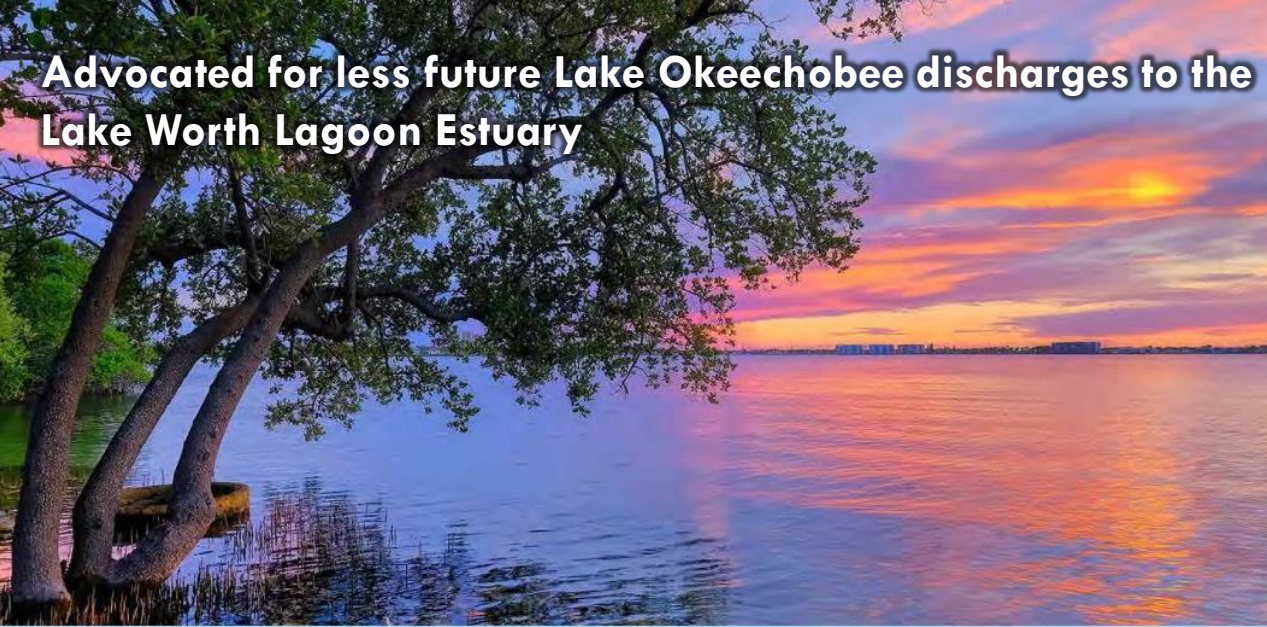
85% of the County Parks & 100% of Natural Areas acreage have 5% or less invasive/exotic vegetation coverage



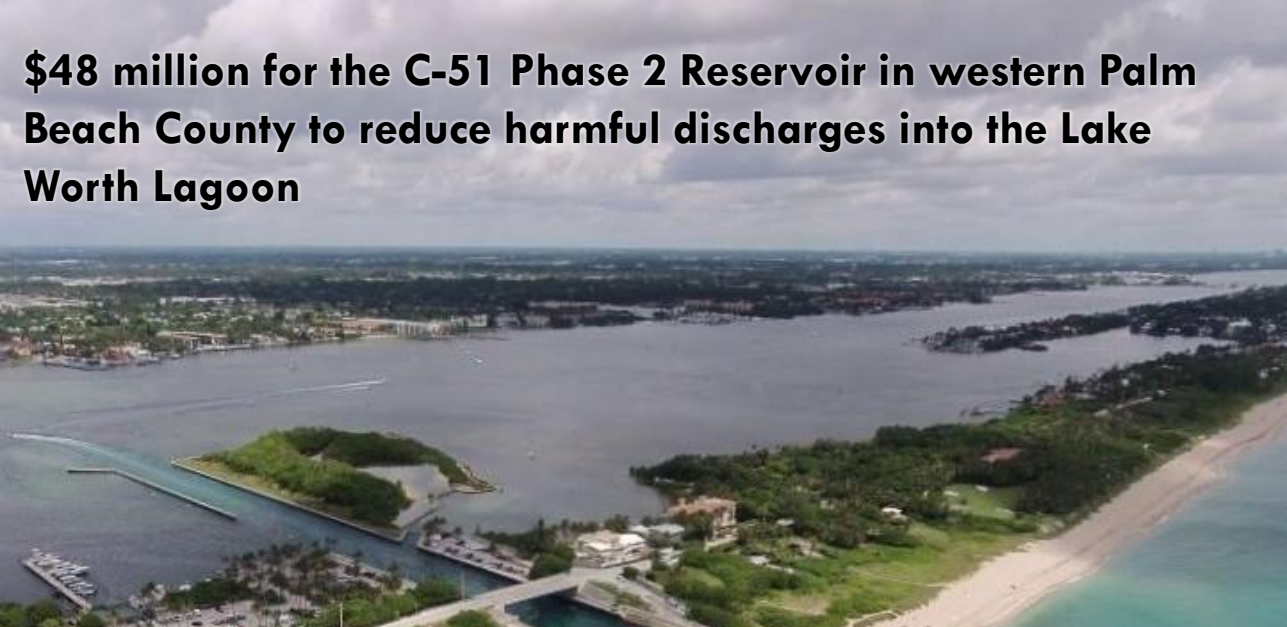
4 nesting pairs of American Oyster-catchers hatched and raised four chicks



8,374 volunteer hours related to Florida Friendly Landscaping



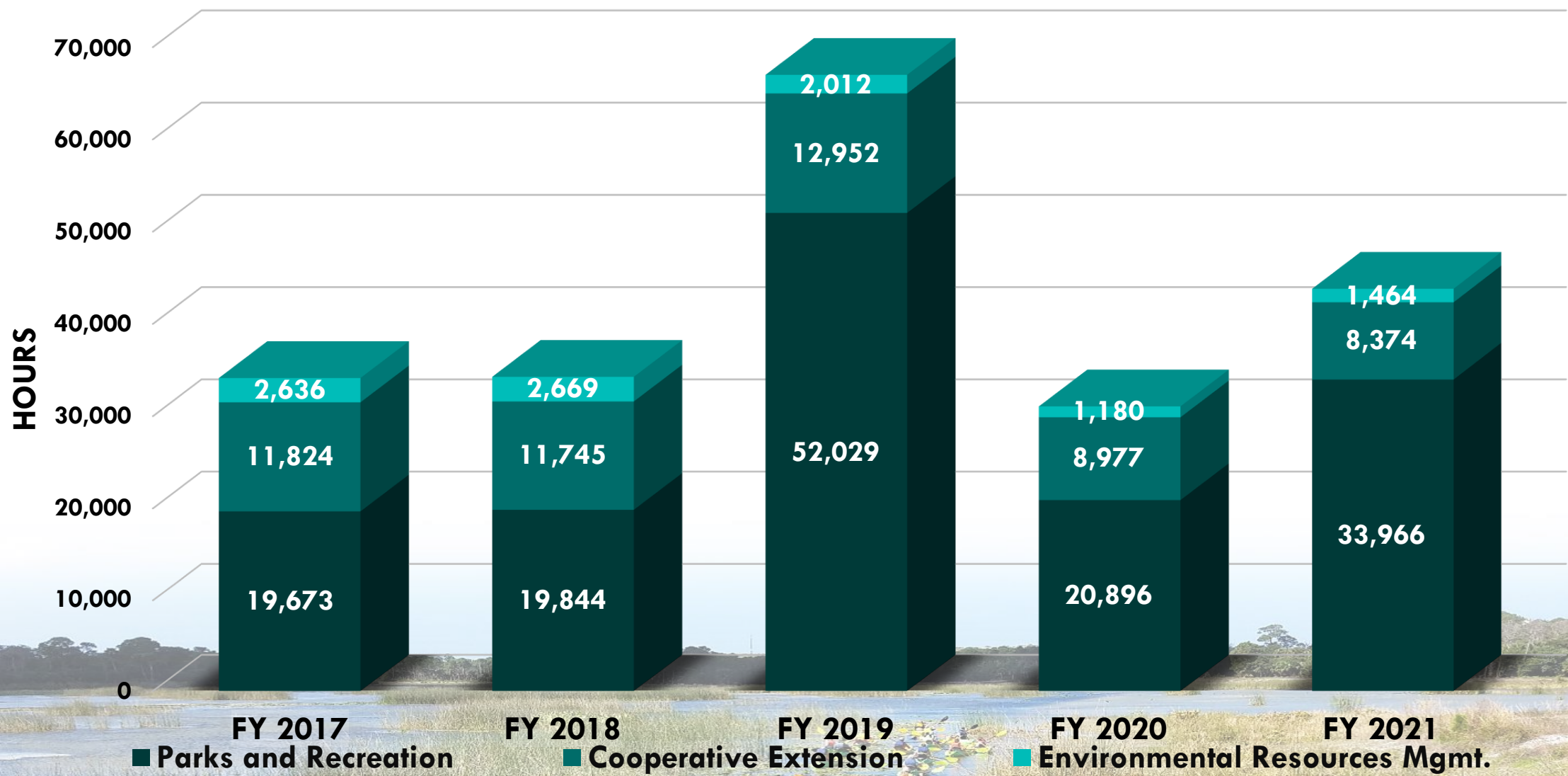
Advocated for less future Lake Okeechobee discharges to the Lake Worth Lagoon Estuary



\$48 million for the C-51 Phase 2 Reservoir in western Palm Beach County to reduce harmful discharges into the Lake Worth Lagoon

Goal 2. Maintain diverse, resilient ecosystems

Volunteer Hours on Environmental Lands



Goal 3. Protect and support human health, safety, water quality and quality of life

Performed blue green algae monitoring & FL DEP reporting on surface waters throughout the County



Completed a total of 18 community improvement projects within CCRT areas...

... including community gardens and neighborhood parks to street and pathway improvements to install speed humps and repair sidewalks

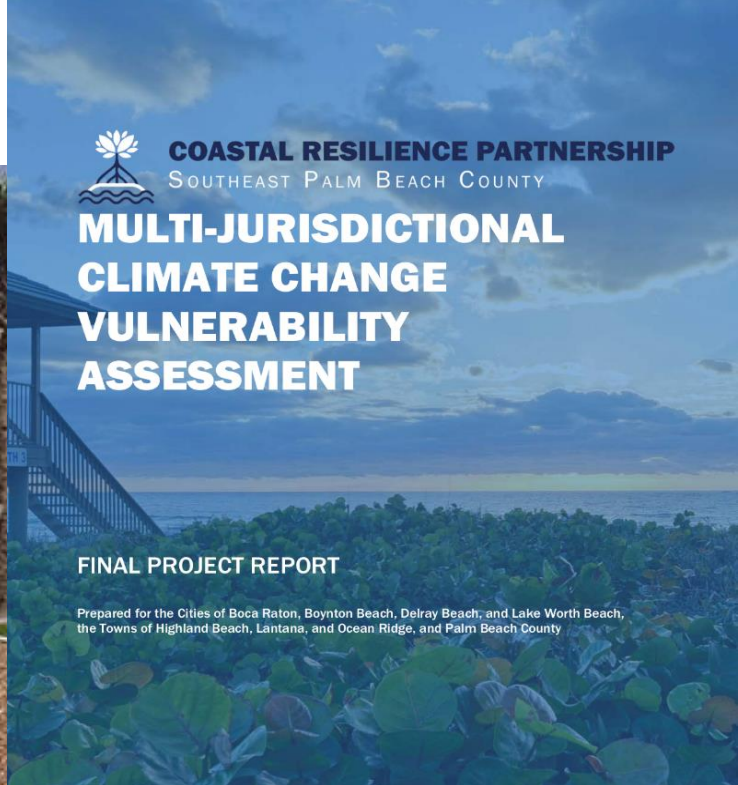


CDT meeting with Healthier Together group



PALM BEACH COUNTY'S ENVIRONMENTAL CROSS-DEPARTMENTAL TEAM

Goal 3. Protect and support human health, safety, water quality and quality of life (continued)















PBC parks acres-to resident ratio of 1 acre of County Parks Property to 184 residents

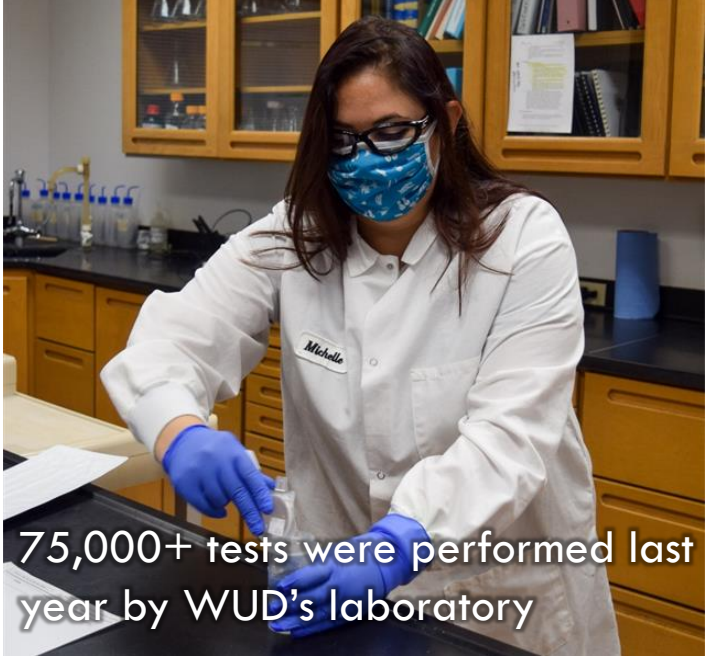


Okeehlee Park, West Palm Beach



Opened a new PBC park at Belvedere Heights

-  High Winds
-  Rainfall-Induced Flooding
-  Harmful Algal Blooms
-  Pest & Disease Outbreaks
-  Extreme Heat
-  Drought
-  Wildfire
-  Shoreline Recession
-  Tidal Flooding
-  Storm Surge
-  Groundwater Inundation
-  Saltwater Intrusion

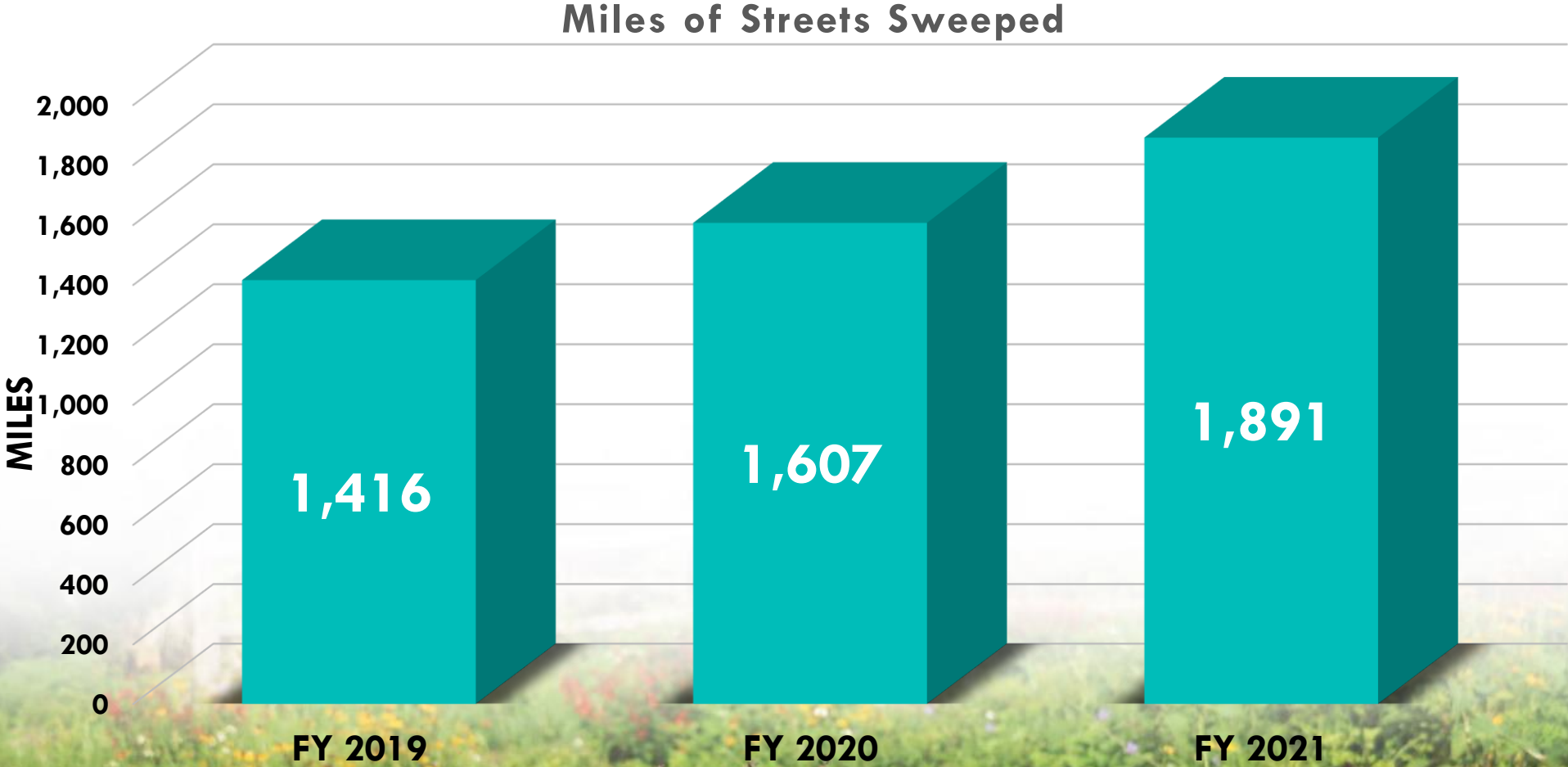


75,000+ tests were performed last year by WUD's laboratory



Continued inspecting private and County-owned facilities for compliance with wellfield protection and petroleum storage tank regulation

Goal 3. Protect and support human health, safety, water quality and quality of life



Goal 4. Ensure positive environmental experiences for residents and visitors



Partnered with the City of Boca Raton's Spanish River Library to install a storywalk



Green Cay Nature Center, Boynton Beach, FL

Restarted and expanded the Tri-City Trailblazers programming to a monthly trip to a County Natural Area



Proposed the Green Cay Phase 2, 63 acre park

Goal 4. Ensure positive environmental experiences for residents and visitors (continued)

Over 3,000 environmental education & recreation program participants at PBC Natural Areas

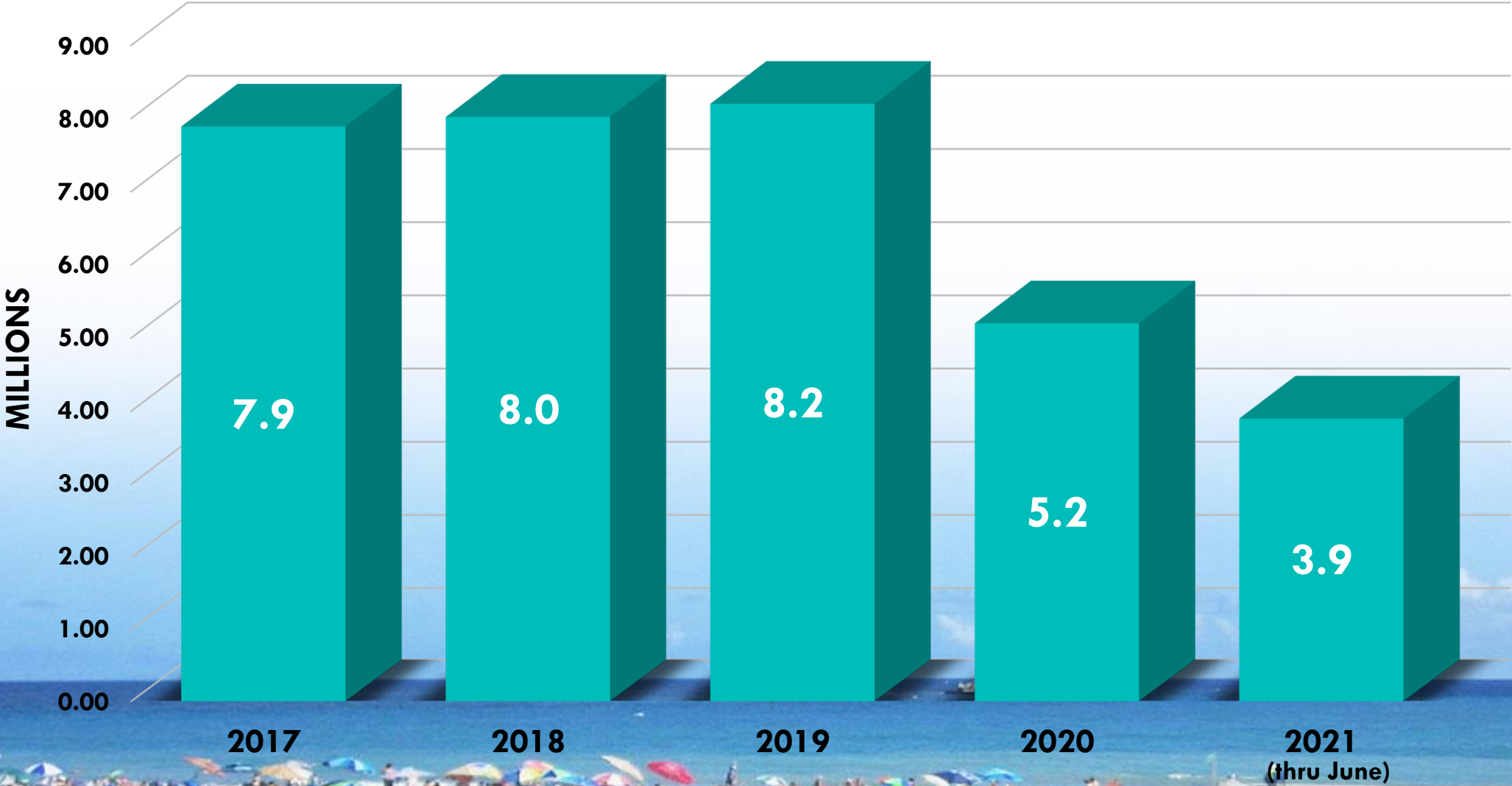


Over 1 million visitors have visited PBC Nature Centers



Goal 4. Ensure positive environmental experiences for residents and visitors

Beach Visitation History



Goal 5. Promote sustainable, resilient practices and principles

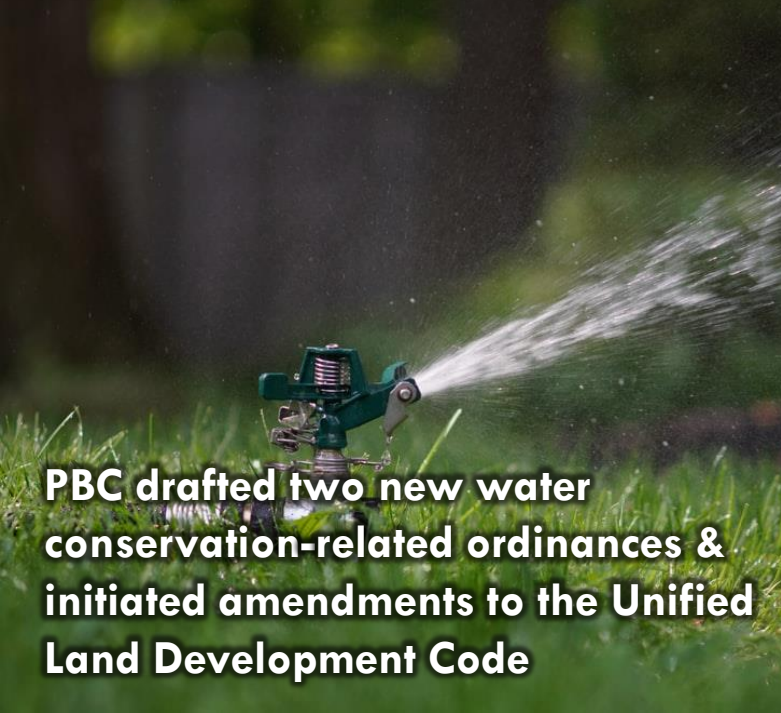


**SOUTHEAST FLORIDA
REGIONAL COMPACT
CLIMATE
CHANGE**

13th Annual Southeast Florida Regional
CLIMATE LEADERSHIP SUMMIT



PBC permits residential and business on-site solar photovoltaic installations



PBC drafted two new water conservation-related ordinances & initiated amendments to the Unified Land Development Code

SE FL Regional Climate Compact Climate Equity Workshop Community Engagement and Partnership



Phoebe Romero
City of Austin

Nicole Crooks
Catalyst Miami

Alissa Farina
City of Miami

Ike Powell
Palm Beach County

Rebecca Fishman Lipsey
The Miami Foundation



Goal 5. Promote sustainable, resilient practices and principles

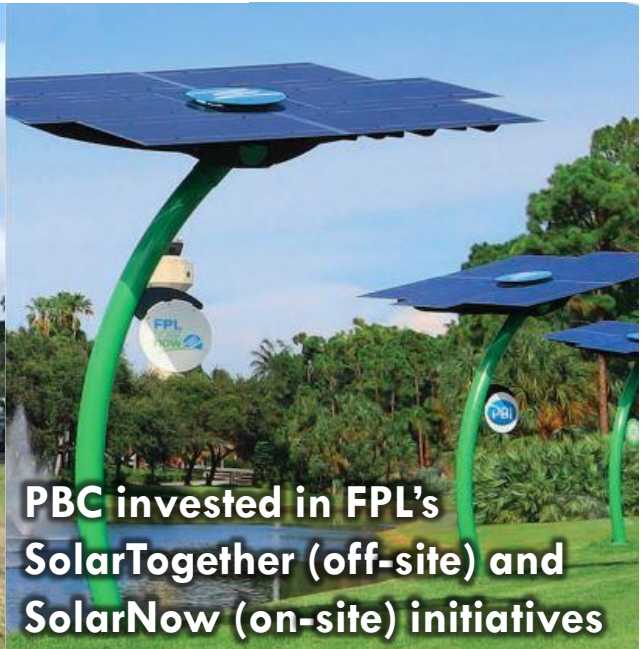


PBC launched policy and procedure manual which formalizes resiliency and sustainability in County capital projects

Okeehelie Park, West Palm Beach



Established a Re-Greening Master Plan to plant trees and increase canopy in parks



PBC invested in FPL's SolarTogether (off-site) and SolarNow (on-site) initiatives



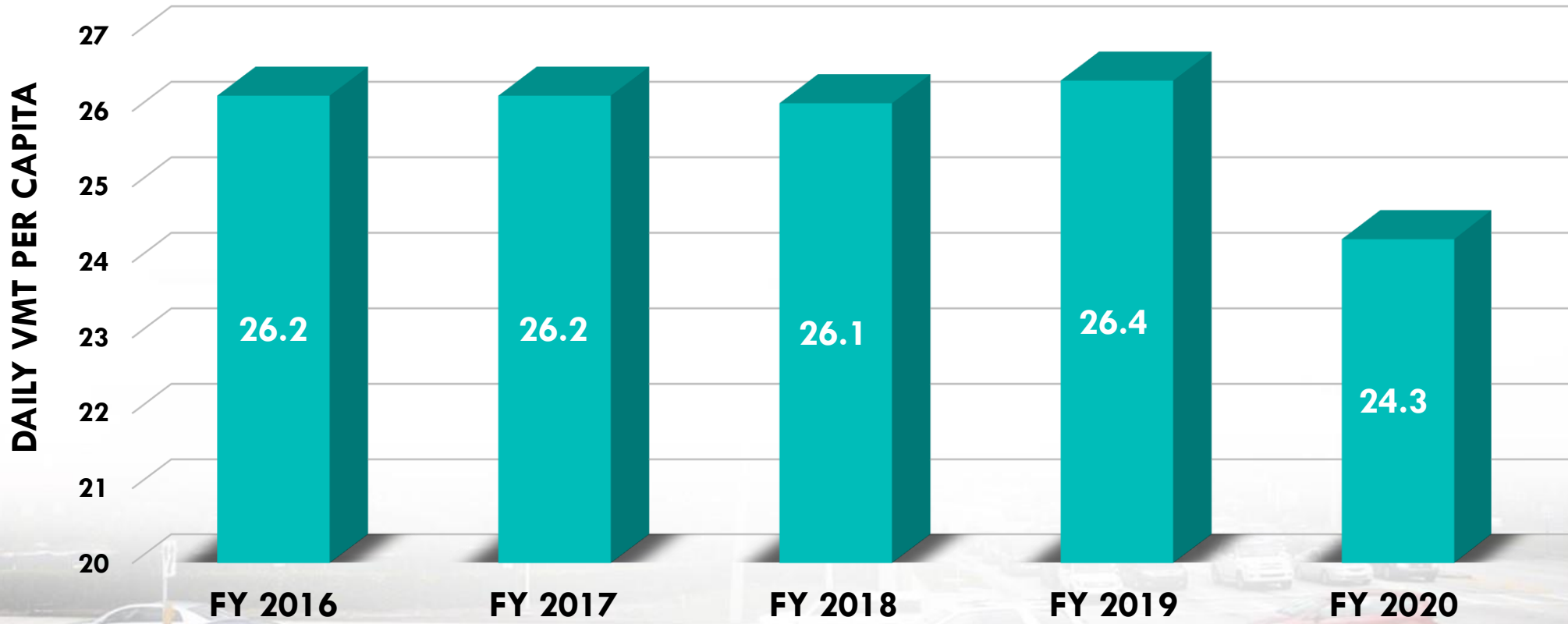
PBC is replacing legacy equipment with LEDs to reduce maintenance and increase energy efficiency. All new fields will have LED lights



Green Cay Nature Center, Boynton Beach, FL

Goal 5. Promote sustainable, resilient practices and principles

Per-capita daily vehicle miles traveled (VMT)



Goal 6. Preserve and enhance our thriving agriculture

52 educational workshops to 1,947 sugarcane, rice, vegetable farmers, and nursery industry clients



Training topics included pest ID, weed control, best management practices, environmental stewardship, variety selections, soil & crop nutrition



Delivered 1,946 CEUs that support state-required safety licenses and certifications



Supported the Western PBC Farm Bureau's coordination of the 2021 Sweet Corn Fiesta



Delivered 95 training events to 1,730 clients related to workforce safety

Goal 6. Preserve and enhance our thriving agriculture



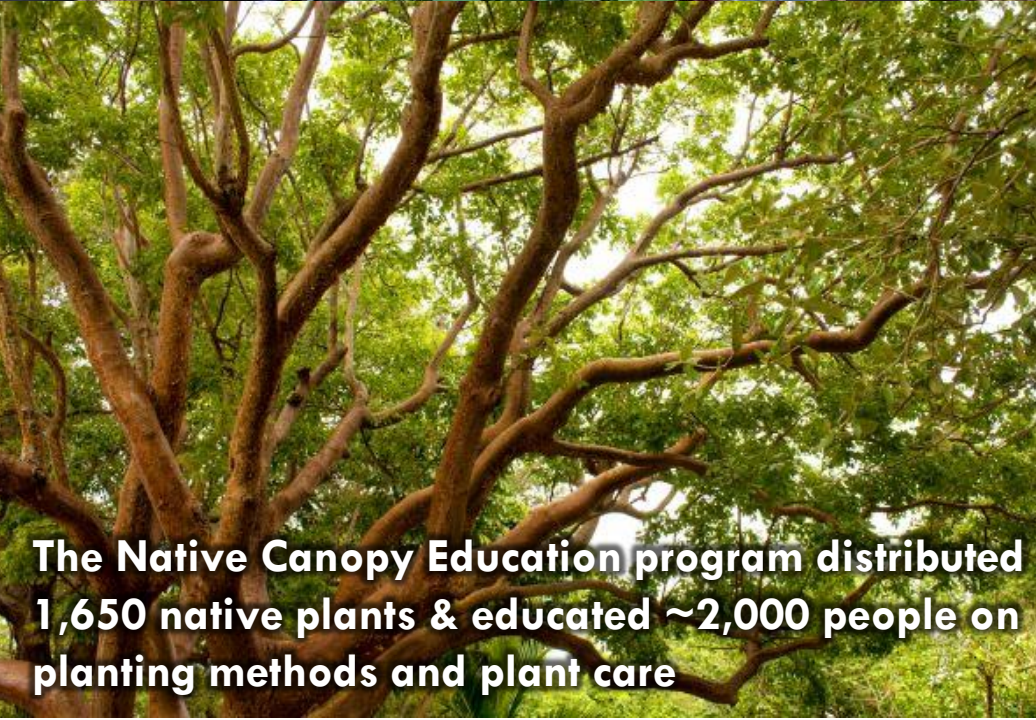
Delivered 98 Florida Friendly Landscaping educational events to 3,412 homeowners and gardening enthusiasts



In the past 4 years, 12 community gardens were created; 4 more are in the design phase



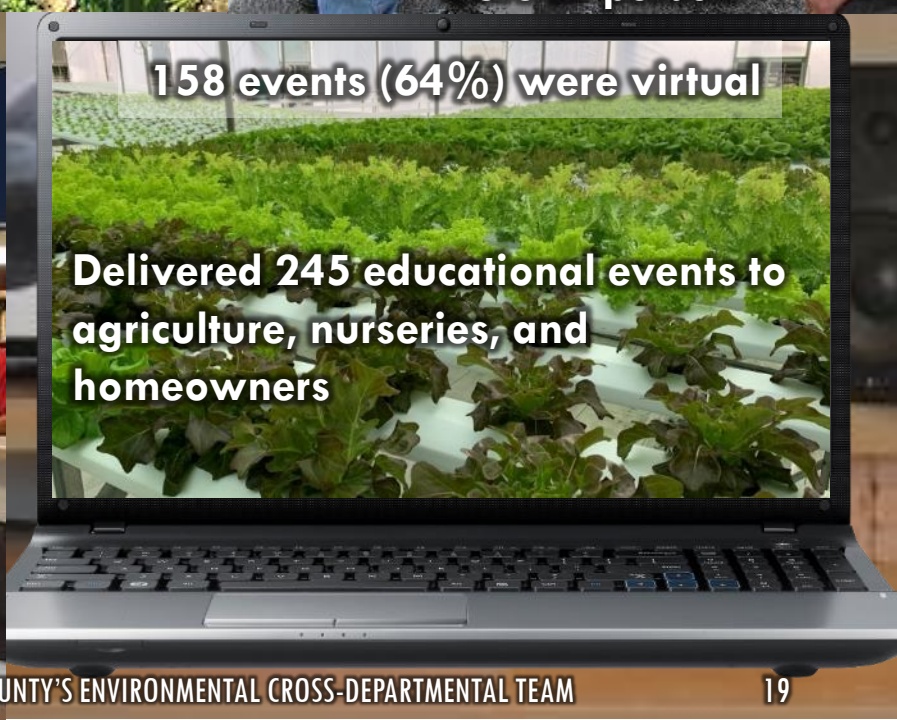
87 events (36%) were in-person



The Native Canopy Education program distributed 1,650 native plants & educated ~2,000 people on planting methods and plant care



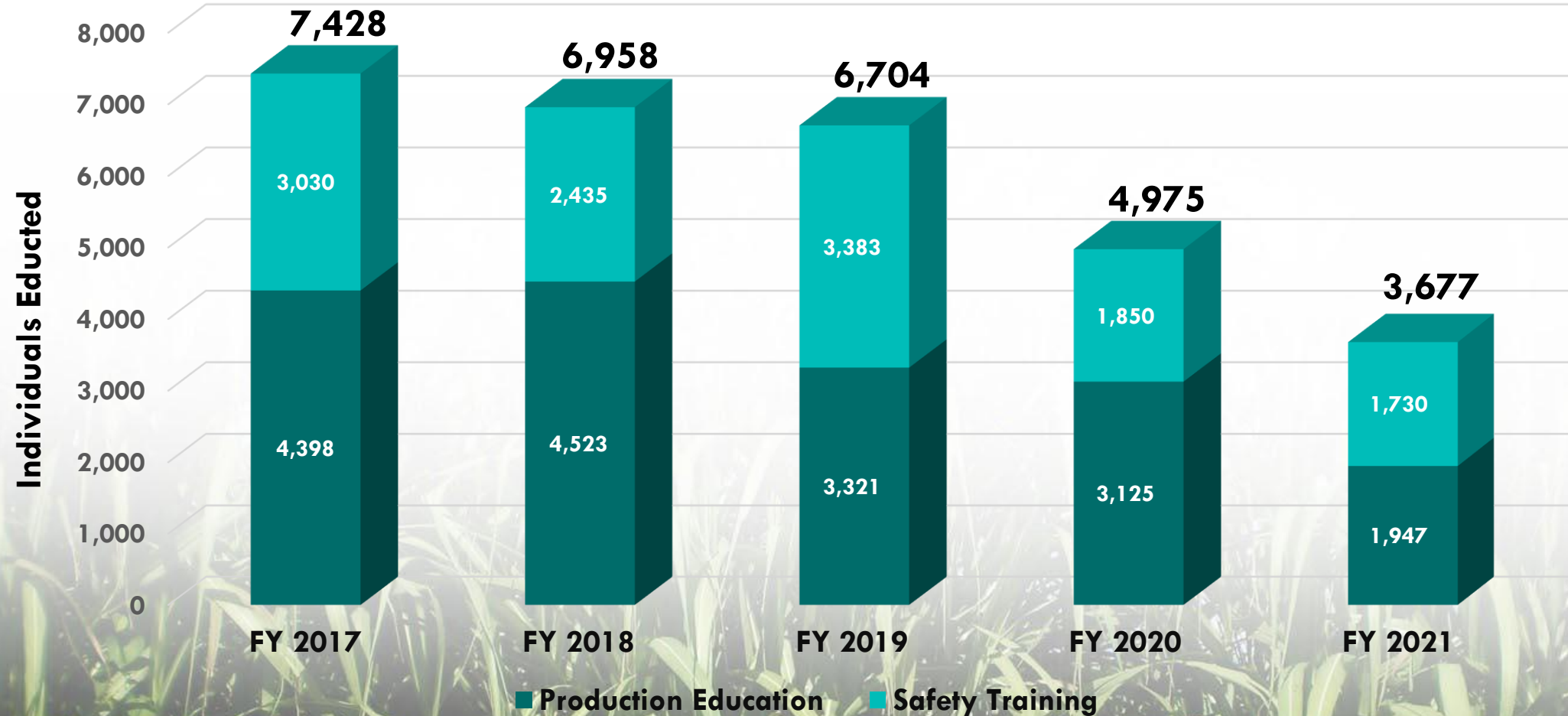
PBC UF/IFAS Extension



158 events (64%) were virtual
Delivered 245 educational events to agriculture, nurseries, and homeowners

Goal 6. Preserve and enhance our thriving agriculture

Number of clients served per years by activities and programs that support farming and agriculture



NEXT STEPS

1. Continue to support these six goals
2. Continue to support & develop overall waste reduction strategies (polystyrene and PBC Department recycling)
3. Continue to establish and expand partnerships with local stakeholders
4. Continue to support environment work through department presentations

**PALM BEACH COUNTY
ENVIRONMENTAL CROSS-DEPARTMENTAL TEAM
DISCUSSION**



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