



PALM BEACH COUNTY ENVIRONMENTAL PROTECTION CROSS-DEPARTMENT TEAM

—
STRATEGIC PLANNING AND
PERFORMANCE MANAGEMENT

November 22, 2022

ABOUT US

We are a multi-disciplinary team comprised of 13 Palm Beach County departments. Our objective is to improve the County by implementing environmental, sustainable, and resilient strategies in an equitable way to better serve our communities and visitors.

OUR TEAM



RON RICE
Cooperative
Extension



MEGAN HOUSTON
Office Of
Resilience



NATALIE FRENBERG
Office Of
Resilience



MATT KING
Environmental
Resource
Management



JIMMY BENO
Facilities
Development
& Operations



WILLIAM WYNN
Community
Revitalization



PAUL LINTON
Water Resource
Management



MARCELA MILLETT
Strategic
Planning



CLIFF BATTLES
Parks &
Recreation



URIAH MCCALLA
Airports



DEBORAH DRUM
Environmental
Resource
Management



WILL CAREY
Engineering



SUSSAN GASH
Planning, Zoning
& Building



KRYSTIN BERNSTEN
Water Utilities



KEITH CLINKSCALE
Strategic
Planning



JAYME BOSIO
Libraries

GOALS



**Sustain healthy,
vibrant beaches**



**Maintain diverse,
resilient ecosystems**



**Protect and support
human health, safety,
water quality, and
quality of life**



**Ensure positive
environmental experiences
for residents and
visitors**



**Promote sustainable,
resilient practices and
principles**



**Preserve and enhance
our thriving
agriculture**

GOAL 1

SUSTAIN HEALTHY, VIBRANT BEACHES



BEACH RENOURISHMENT

Coastal Resilience

COASTAL HABITAT PROTECTION

1.2 MILLION

Cubic yards of sand on the County's beaches

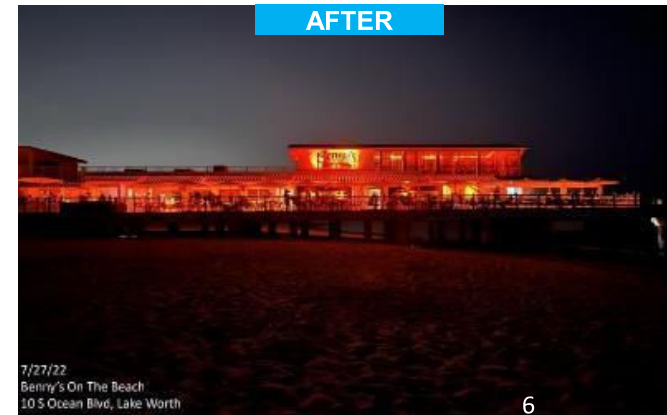
3 ROUNDS

Regulatory sea turtle lighting inspections

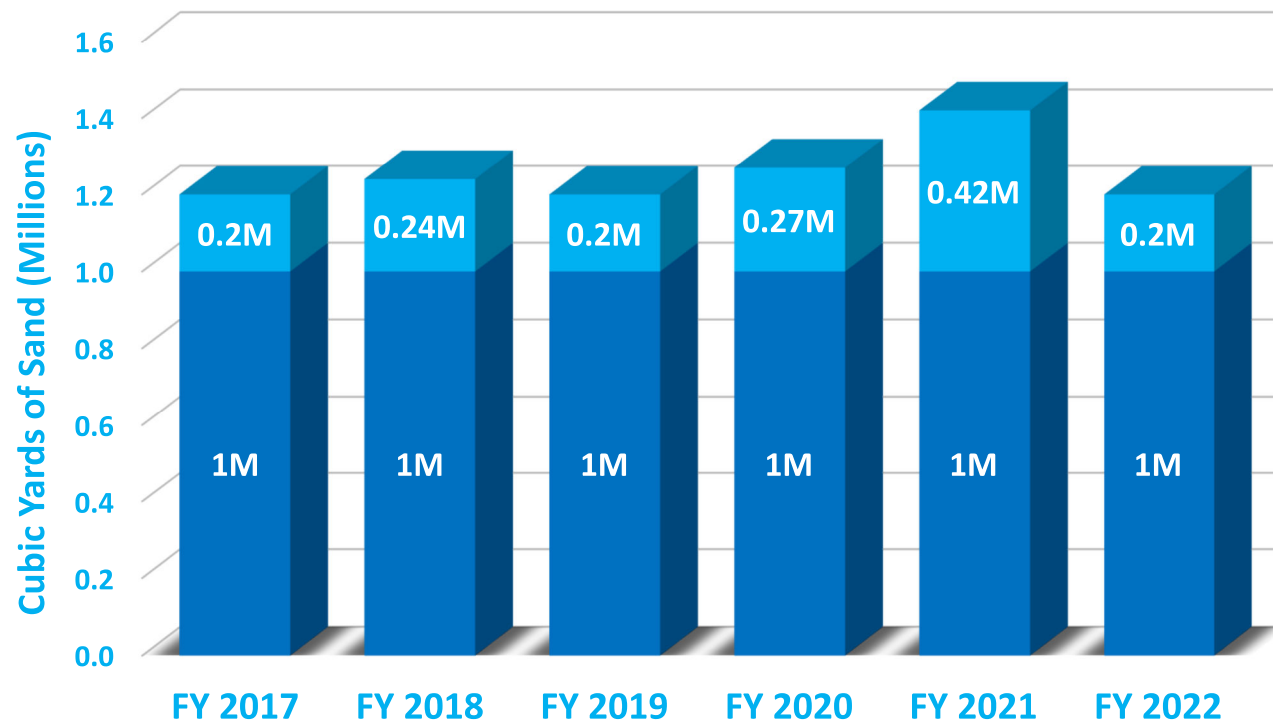
BEFORE



AFTER



11-Year Moving Average of Sand Placed on County Beaches



GOAL 2

MAINTAIN
DIVERSE
RESILIENT
ECOSYSTEMS



Wildlife & Habitat Preservation

4 NESTING PAIRS

American Oyster-catchers hatched and raised six chicks

13 ACRES

Land have been added for future conservation purposes

50% COMPLETED

Parks tree inventory

2 Ecosystems



Recently returned to PBC at our Spoil Islands



Pine Glades Natural Area

Environmental Volunteers

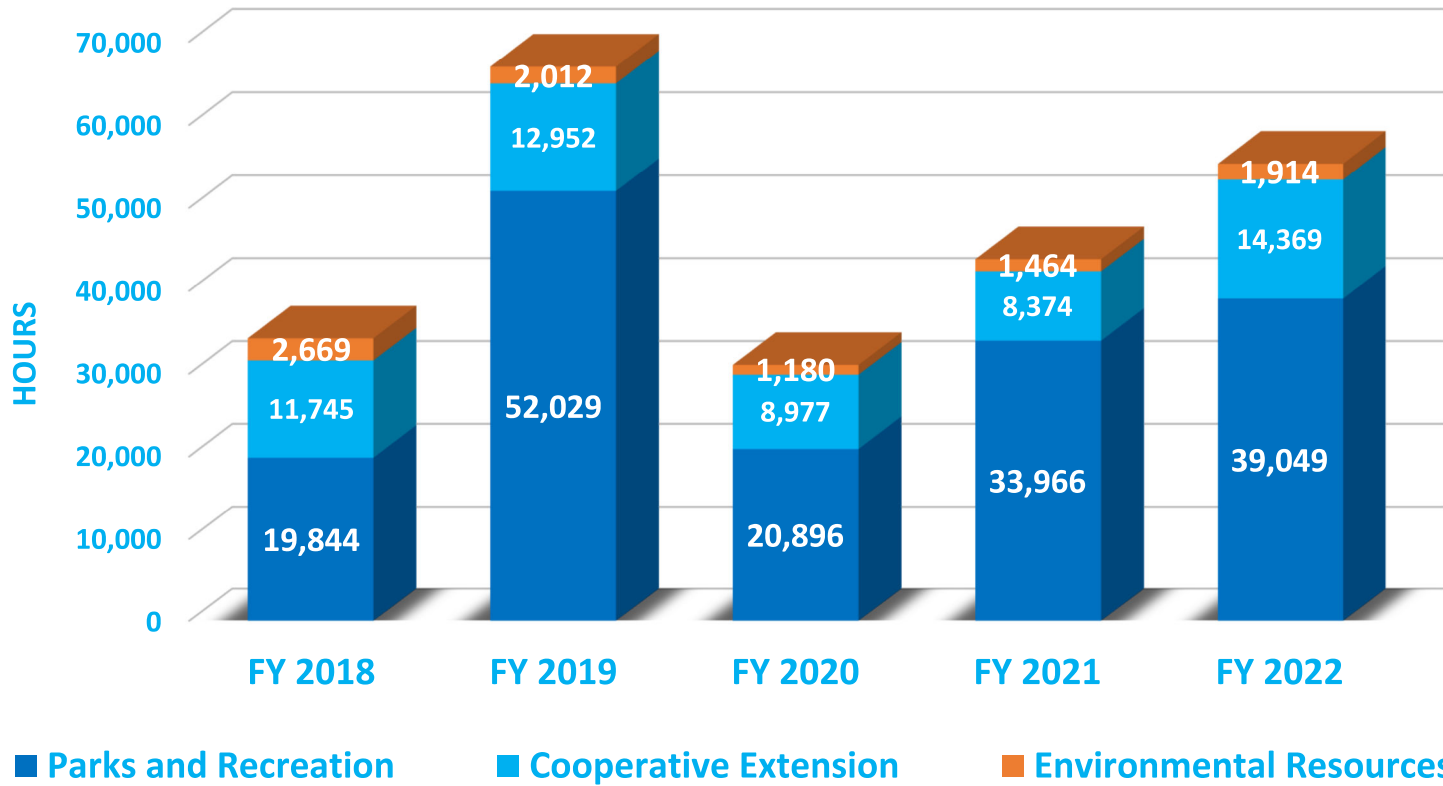
55,332 VOLUNTEER HOURS

- Residential horticultural best practices
- Florida Friendly Landscaping principals
- Beach, park, and natural area cleanups

2 Ecosystem



Volunteer Hours On Environmental Lands





GOAL 3

PROTECT AND
SUPPORT
HUMAN
HEALTH,
SAFETY, WATER
QUALITY AND
QUALITY OF
LIFE



PROJECTS



CCRT Speed Bump



Pahokee Marina



WUD Water Quality Testing

SAFETY

Completed **5 community improvement projects** (speed hump installation) within 5 Countywide Community Revitalization Team areas

COMPLIANCE

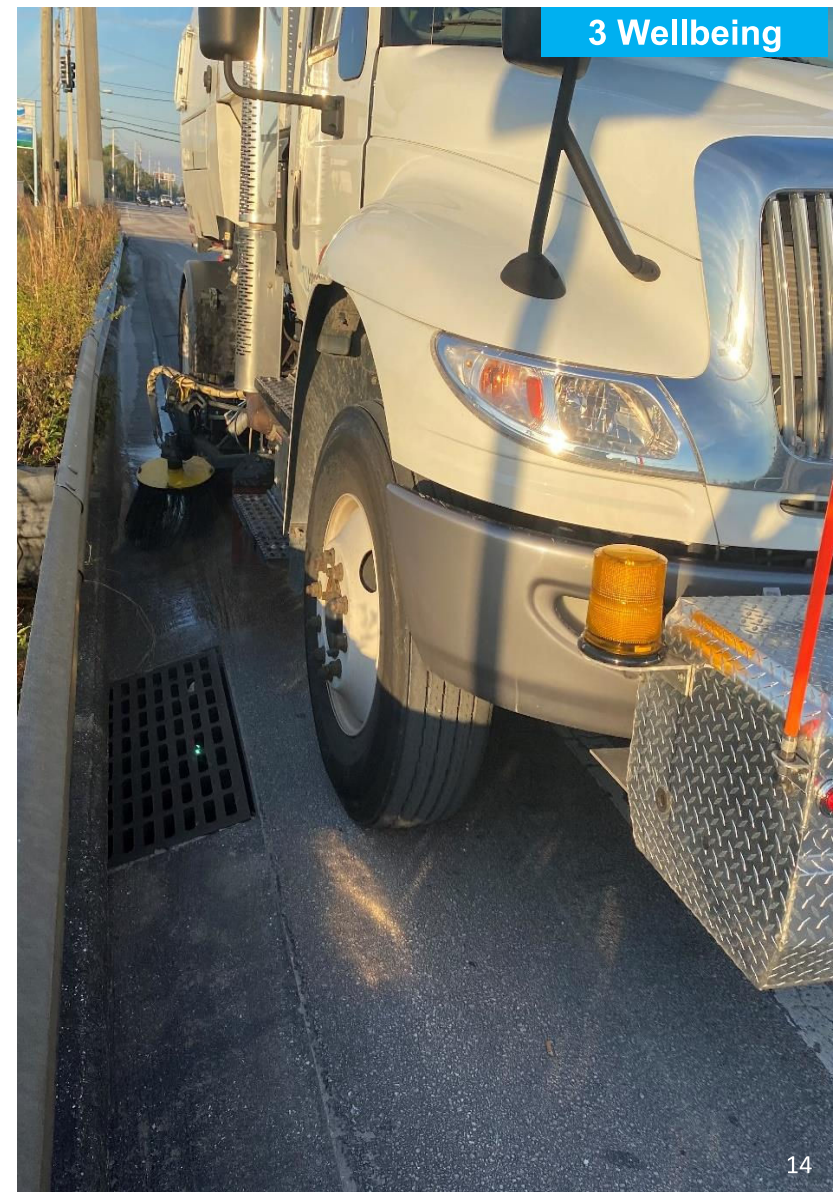
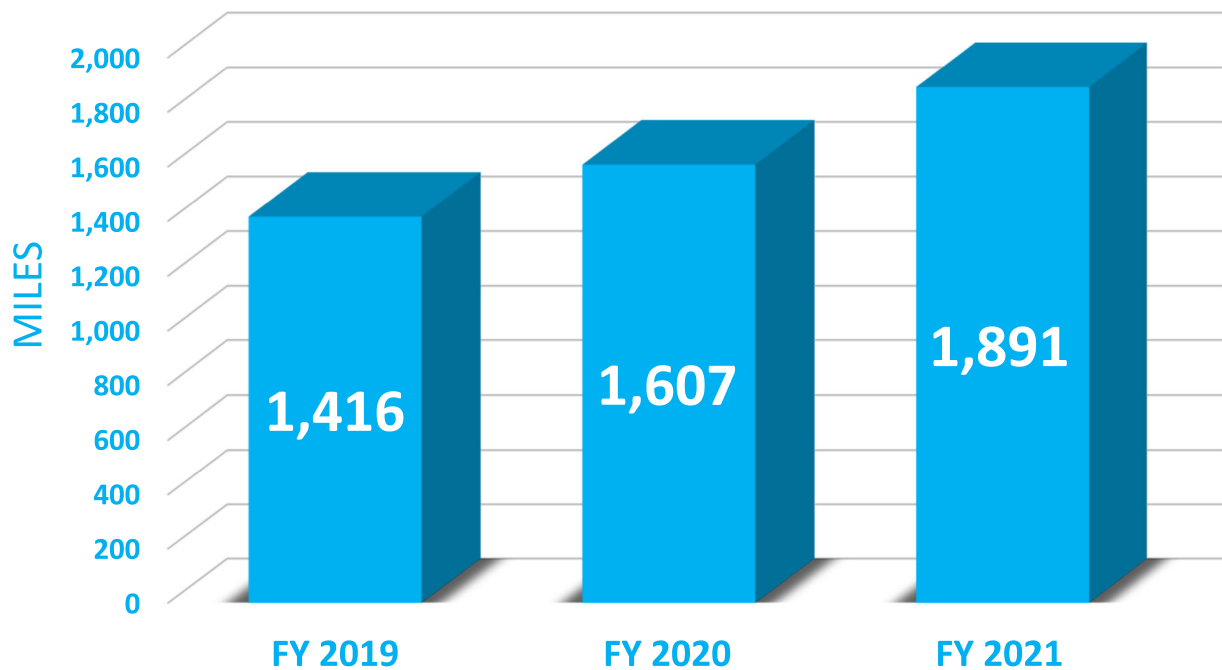
Petroleum Storage Tank Compliance Program completed **100% on time**

On target for completing 100% for this fiscal year on all permitted wellfield facilities inspections

WATER QUALITY

Over **83,000 tests** were performed last year by the Water Utility Department

STREET SWEEPING (MILES) TO AVOID STORM WATER BLOCKAGES/FLOODING



GOAL 4

ENSURE
POSITIVE
ENVIRONMENTAL
EXPERIENCES
FOR RESIDENTS
AND
VISITORS



Community Engagement

4 Positive Experiences

AMBASSADOR OF THE WETLANDS

Immersive student program to promote wetland stewardship/water conservation

GREEN FUTURES INTERNSHIP

Disadvantaged youth with exposure to careers and connections with nature

NATURE NINJA WARRIORS

Connecting underrepresented children to diverse parks and recreation experiences

PROJECT "ACCESS"

Garden clean-up and environmental education

TRAILBLAZERS

Connecting Youth Empowerment Centers to PBC Natural Areas



Outreach

**800+ EVENTS & 12,400+
PARTICIPANTS**

Park's nature centers, Riverbend & PBC
Natural Areas

**77 PROGRAMS & 1,450
PARTICIPANTS**

Library environmental programs

>10,000 STUDENTS

Mounts Botanical Garden programs



4 Positive Experiences



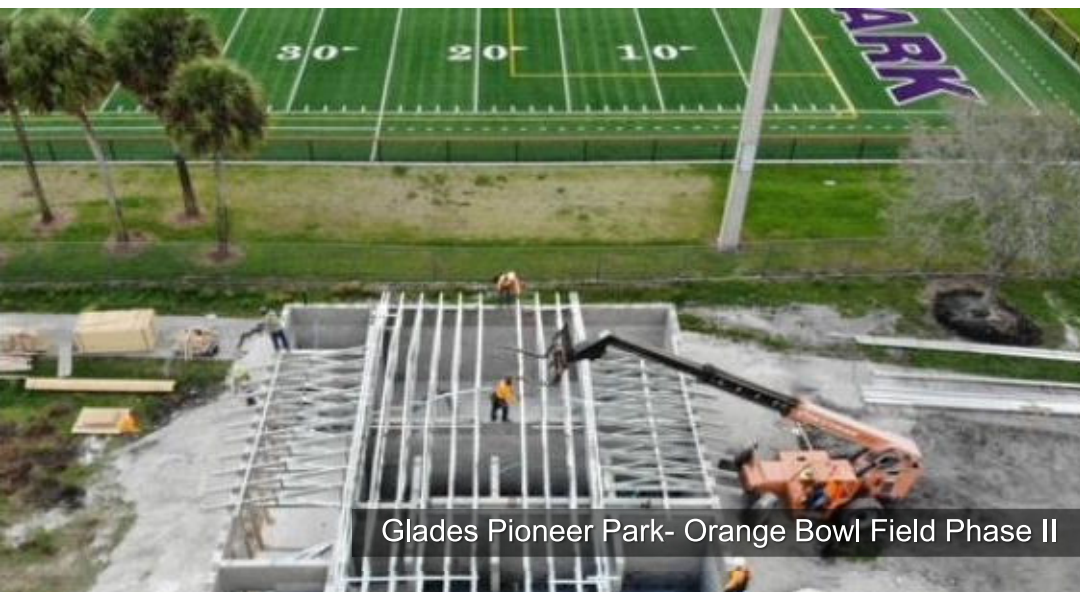


Cypress Creek Natural Area



4 Positive Experiences

Canyon District Park



Glades Pioneer Park- Orange Bowl Field Phase II

Placemaking

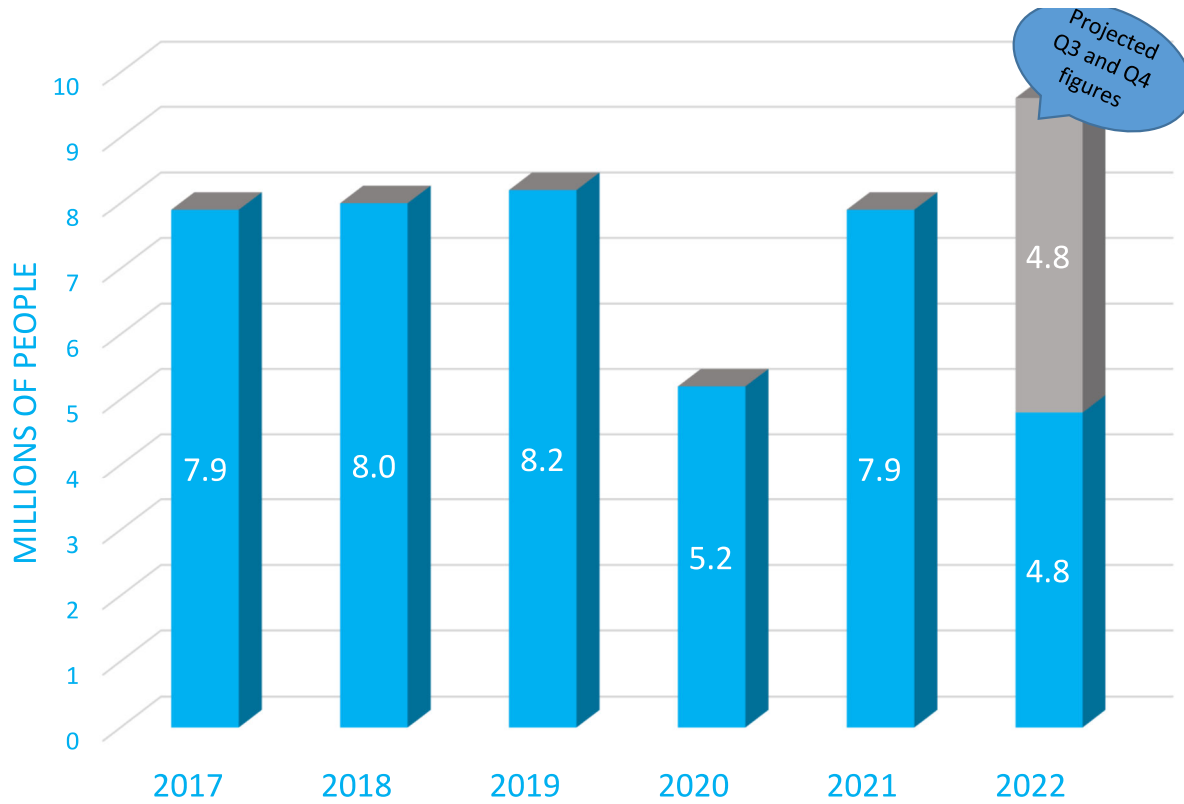
100% MAINTAINED

Palm Beach County Natural Areas public use facilities and miles of trails are maintained to County standards

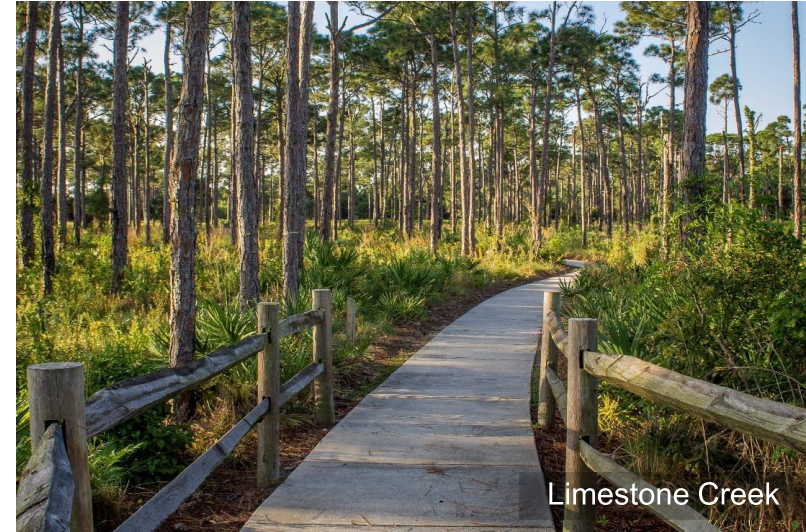
EXPANDED PARK FACILITIES

Canyon District Park Phase I, Orange Bowl Field Phase II, Green Cay Phase II

County Tourism



Data Source: Discover the Palm Beaches



GOAL 5

PROMOTE
SUSTAINABLE,
RESILIENT
PRACTICES
AND
PRINCIPLES



PBI Airport



Vista Center



Convention Center



Community Services- Green Team 20

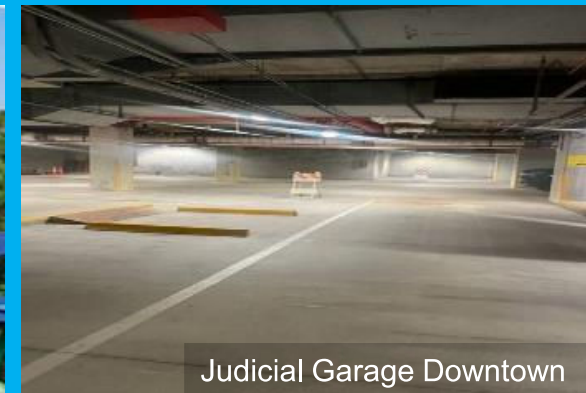
Energy Efficiency

5 Resilience

1,722 PERMITS
Solar Installations

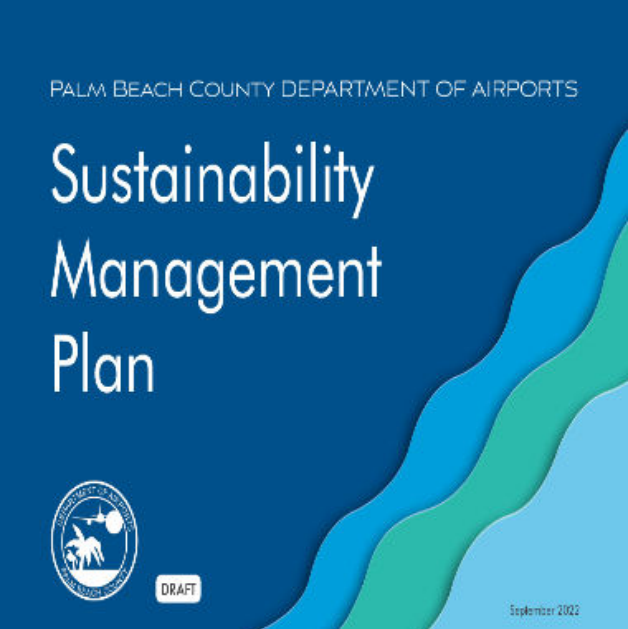
1,009 CONVERTED
LED Streetlights

5TH YEAR
of a 6-Year Conversion of
All Sports Field Lighting



Projects

PLANNING & COMPLIANCE



Finalizing the Sustainability Management Plan Document

RESOURCE OPTIMIZATION



+30 Water Bottle Refill Stations

EMISSIONS REDUCTION



21 EV Permits

Outreach



SEFL REGIONAL CLIMATE ACTION PLAN

OOR Staff Lead Revision on 2 Chapters
Other PBC Staff Served as Subject Matter Experts

CLIMATE LEADERSHIP SUMMIT

Hosted by OOR, with Speakers from IFAS and ERM

70 Speakers, Panelists, Moderators & Experts

729 Registrants

FAU CLIMATE READY AMBASSADORS PROGRAM

OOR Staff Served on Advisory Council
Parks & Libraries Hosted Student Outreach

5 Resilience



Southeast Florida Regional Climate Change Compact
REGIONAL CLIMATE ACTION PLAN 2.0



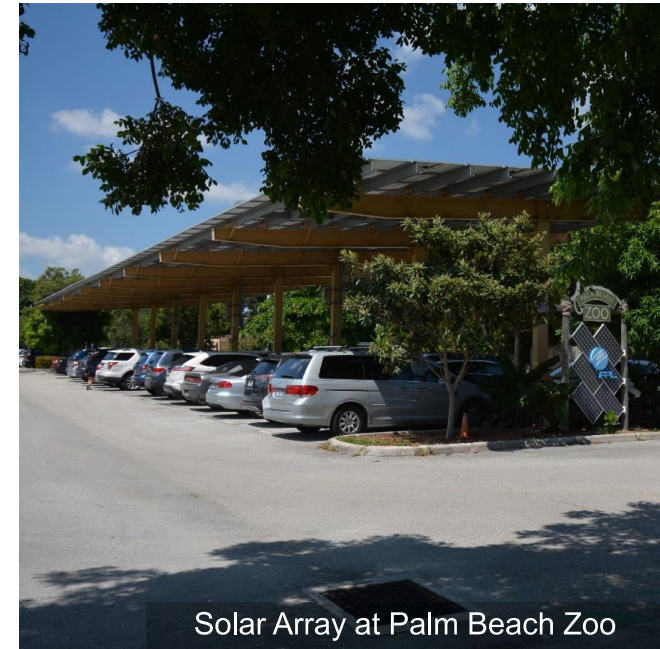
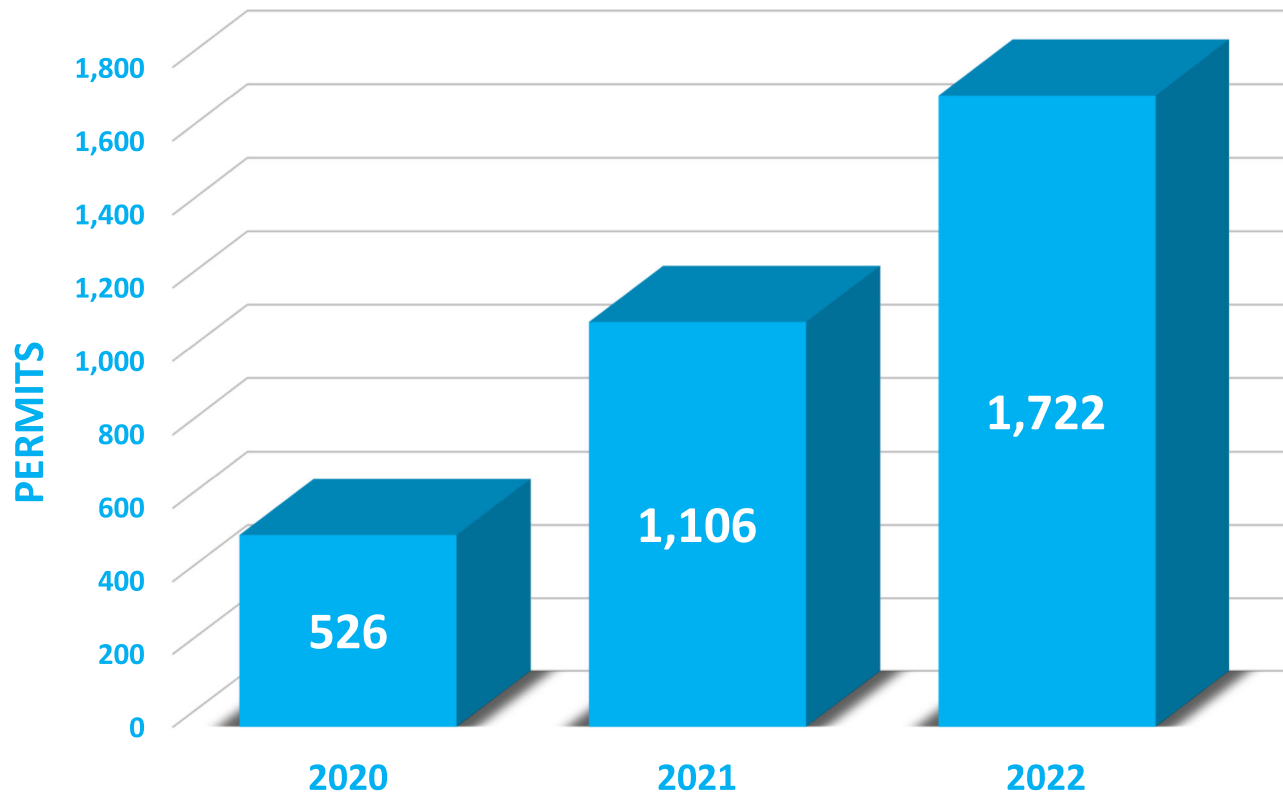
Climate Leadership Summit



FAU Climate READY Ambassadors

**BUILDING A CLIMATE
READY COMMUNITY**

Solar Permits Issued



Solar Array at Palm Beach Zoo



FL Power & Light PBC Solar Field

GOAL 6

PRESERVE AND
ENHANCE OUR
THRIVING
AGRICULTURE



Outreach



Spray Rodeo



Everglades Agricultural Area



Sweet Corn Fiesta



Mounts Botanical Gardens

SWEET CORN FIESTA

5,000 attendees

52,800 ears of sweet corn

46 WORKSHOPS

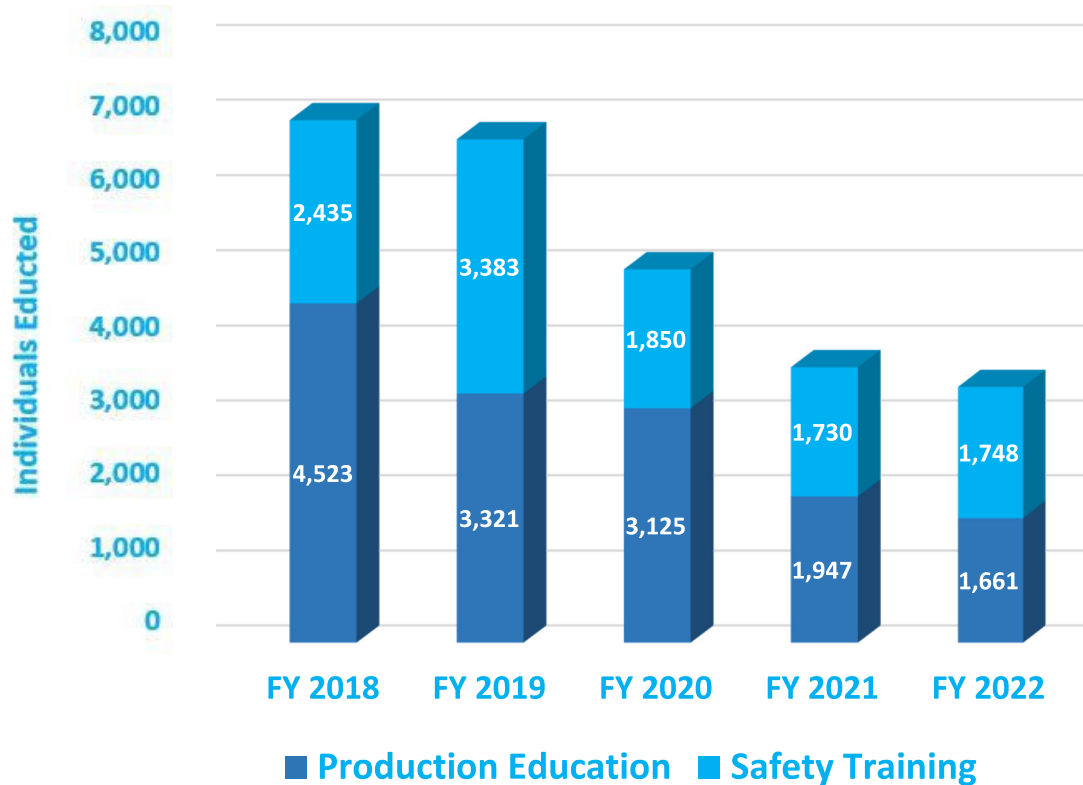
1,661 clients reached

82 AG SAFETY TRAININGS

1,748 clients reached

1,783 CEUs delivered

Educational Opportunities



Empowering farm operations to self-train themselves
(Train-The-Trainer events and using In-House Safety DVDs)



CDT Team Projects

Palm Beach County Water Utilities Department
22 April

Ensuring a safe, sustainable water supply for future generations through environmental stewardship is a core value of the Palm Beach County Water Utilities Department (PBCWUD). The development and maintenance of Wakodahatchee & Green Cay Wetlands are a shining example of this core value in action.

Each day, the Southern Region Water Reclamation Facility pumps approximately three million gallons of highly treated wastewater into the Wakodahatchee and Green Cay Wetlands, which...

See more

April 22, 2022
Earth Day

Earth Day Social Media Series

Tree Canopy Team Meeting

Impacts of SUP on Storm Water Infrastructure

The Road and Bridge Section of PBC Engineering & Public Works removes SLIP debris from the road drainage system.

- In 2021, Vac trucks removed 683 cubic yards of material from PBC's stormwater collection system.
- In 2021, Street Sweepers removed 2604 cubic yards of material from curbs and gutters in PBC roadways.
- Approximately 10% of material removed is SLIP & PS litter.
- ~164 pickup trucks loads worth of plastic waste each year.

X 164

Storm drain clogged with SLIP, 3rd Street, West Palm Beach
Debris removed from stormwater drain with vacuum truck
Storm water pipe clogged with SLIP, Kowalski Rd., Westwood
SLIP removed from storm water drain by Road & Bridge

Plastic Waste Presentation Slide



Next Steps

CONNECT

Continue to connect with and expand equitable partnerships with local communities

IMPLEMENT

Continue to implement environmental, sustainable and resilient projects to produce outputs that can better the county and the community

COLLABORATE

Continue to collaborate on our six goals

FOCUS

Continue to focus on waste stream reduction of polystyrene and single-use plastics

Q&A

