

2022 ANNUAL REPORT

**ENVIRONMENTAL
PROTECTION**



**COMMUNITY
CONNECTION**

Janet D. Lorton
Executive Director

Environmental Protection Through Community Connection



MISSION

To protect our natural resources, environment, and quality of life in Hillsborough County.

VISION

Environmental excellence in a changing world.

VALUES

Environmental stewardship, integrity, transparency, and accountability.



Janet D. Lorton
Executive Director

ENSURING EPC'S SUCCESS

- Sterling Management Model
- Organizational Performance Excellence
- Leadership
- Strategic Planning
- Management by Fact - Measurement and Analysis
- Continuous Process Improvement
- Transparency



Dr. Garrity and Janet

OUR CORE FUNCTIONS

Air & Water
Quality
Monitoring

Pollution
Source
Permitting

Citizen
Support &
Outreach

Compliance
Assistance

Enforcement

WETLANDS DIVISION

Provides local standards for environmental protection, maintenance, and utilization of wetlands and other surface waters.



Sterlin Woodard
Division Director

Division Programs

Permits and Exemptions ♦ Delegations ♦ Compliance Assurance

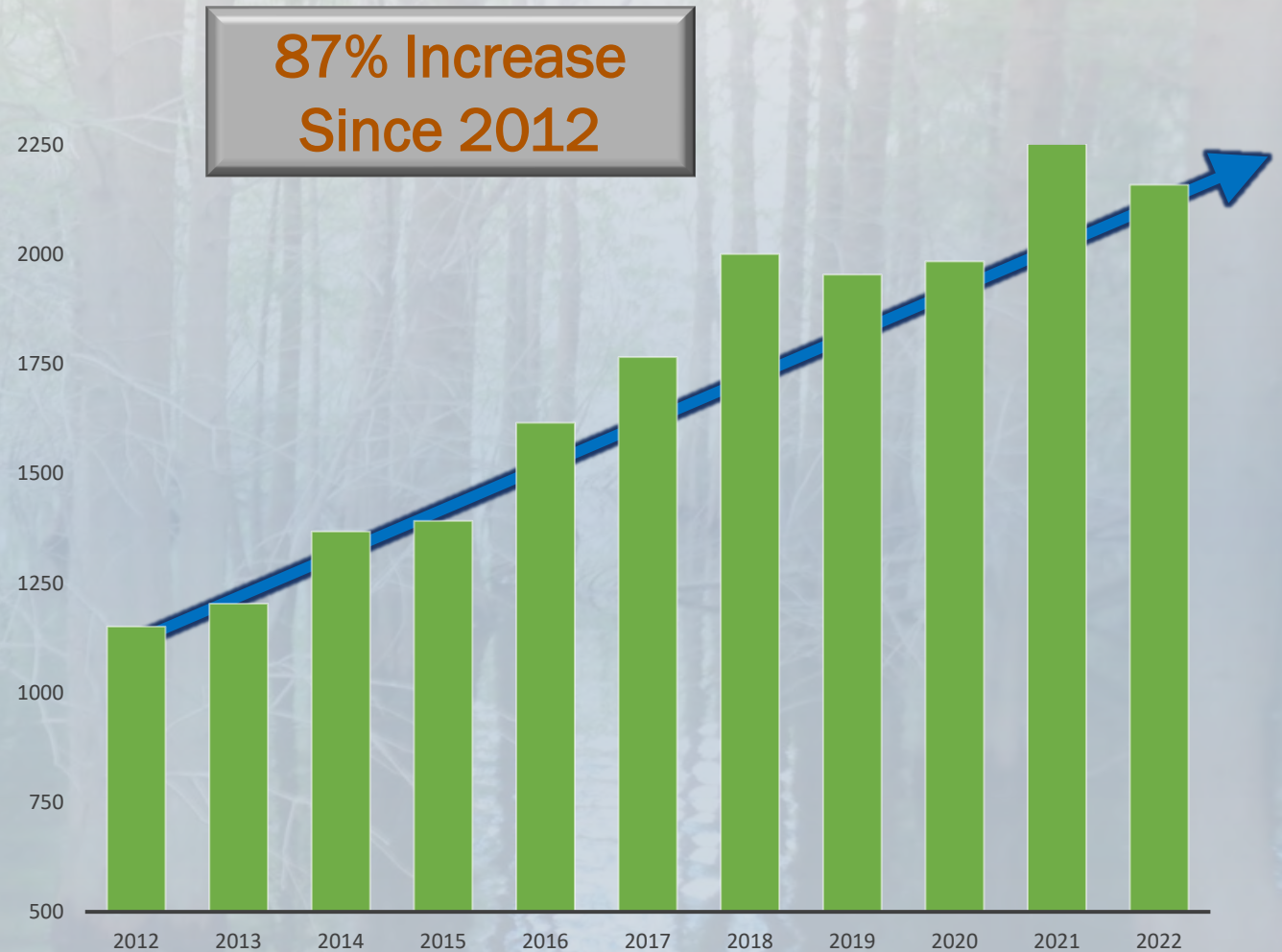


Basis of Review Revisions

WETLANDS PERMITS AND REVIEWS

2022 Permits Issued & Reviews Completed

Review/ Permit Type	Number Issued
Development Services	850
Delineations	390
Mangroves	60
Miscellaneous	248
Mitigation	44
Port Authority	545
Total	2137



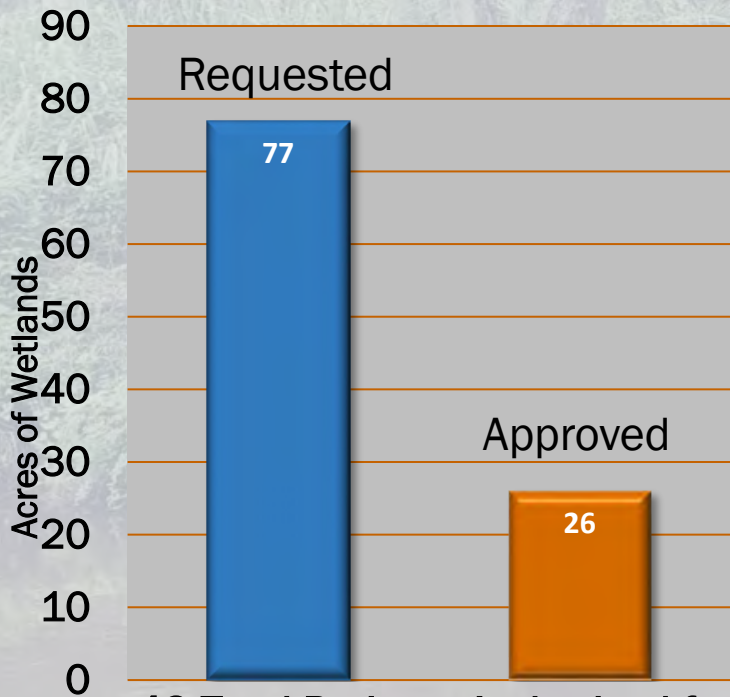
■ New Submittals Received August 1st - July 31st

NEW APPROVED WETLAND IMPACTS

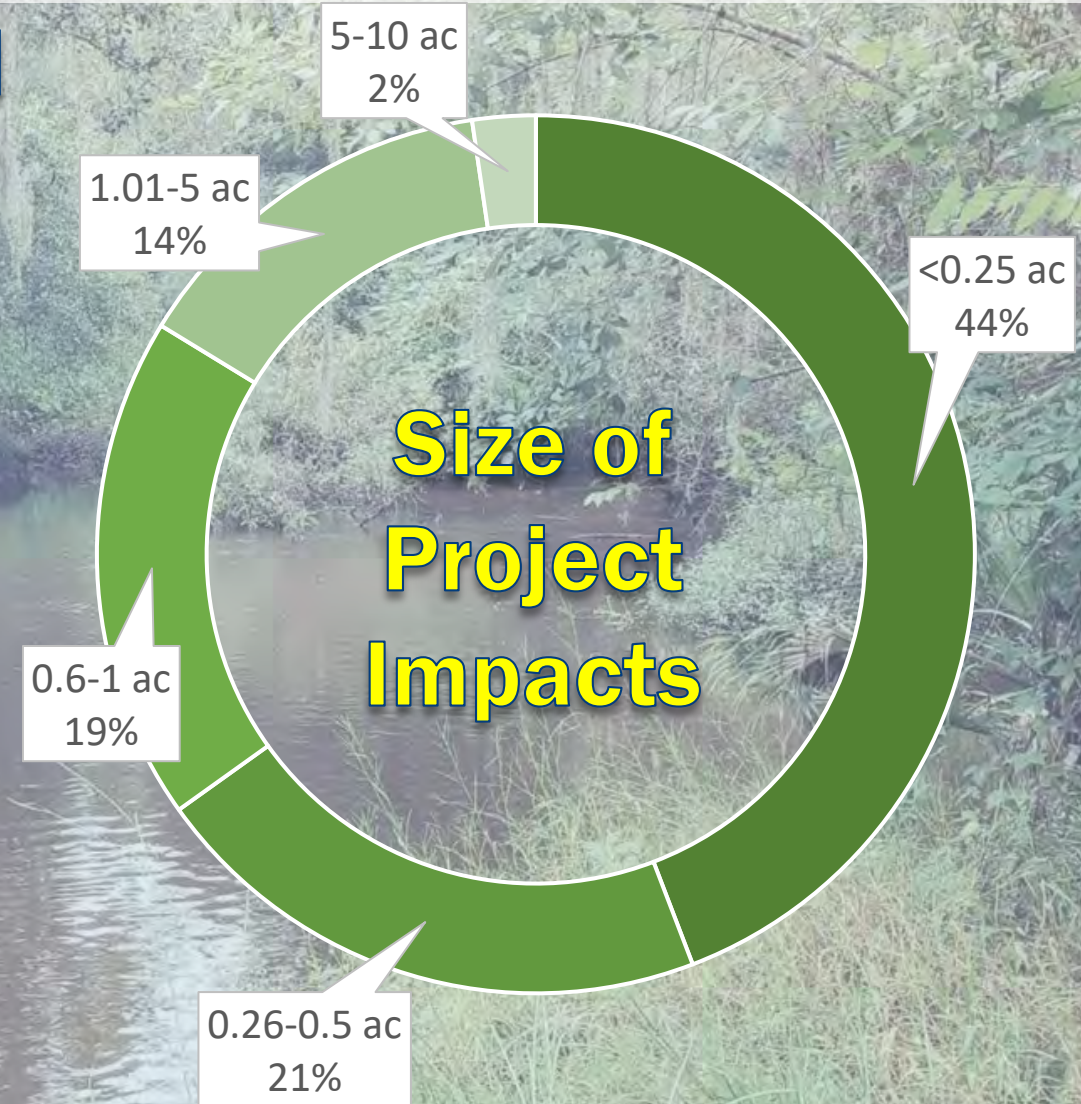
8/1/2021 TO 7/31/2022

42 Approved Projects

Acres of Wetland Fill Impacts Requested vs. Approved (Permits Issued)



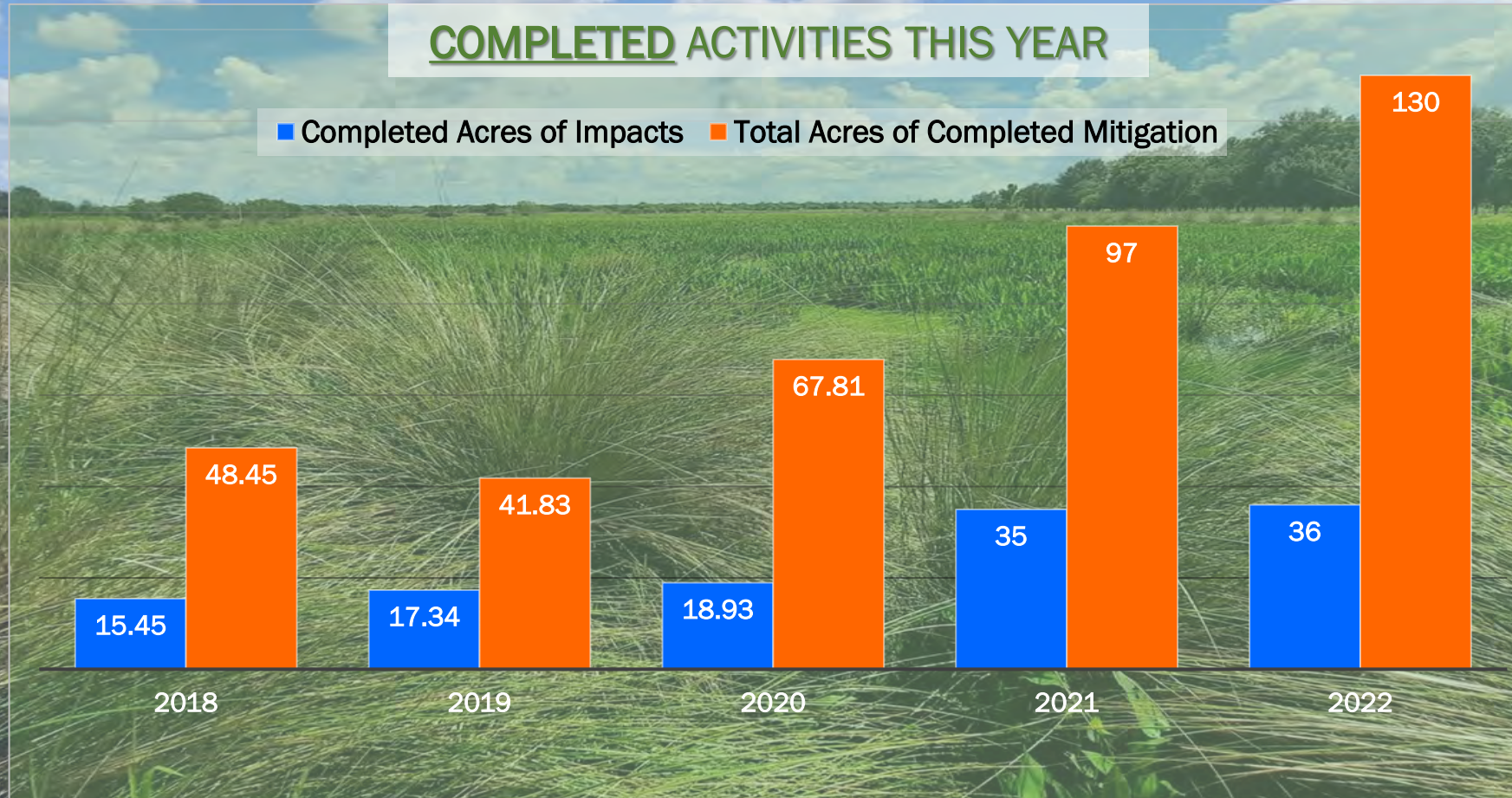
42 Total Projects Authorized for Wetland Impacts & Mitigation



COMMITMENT TO NO NET LOSS OF WETLANDS

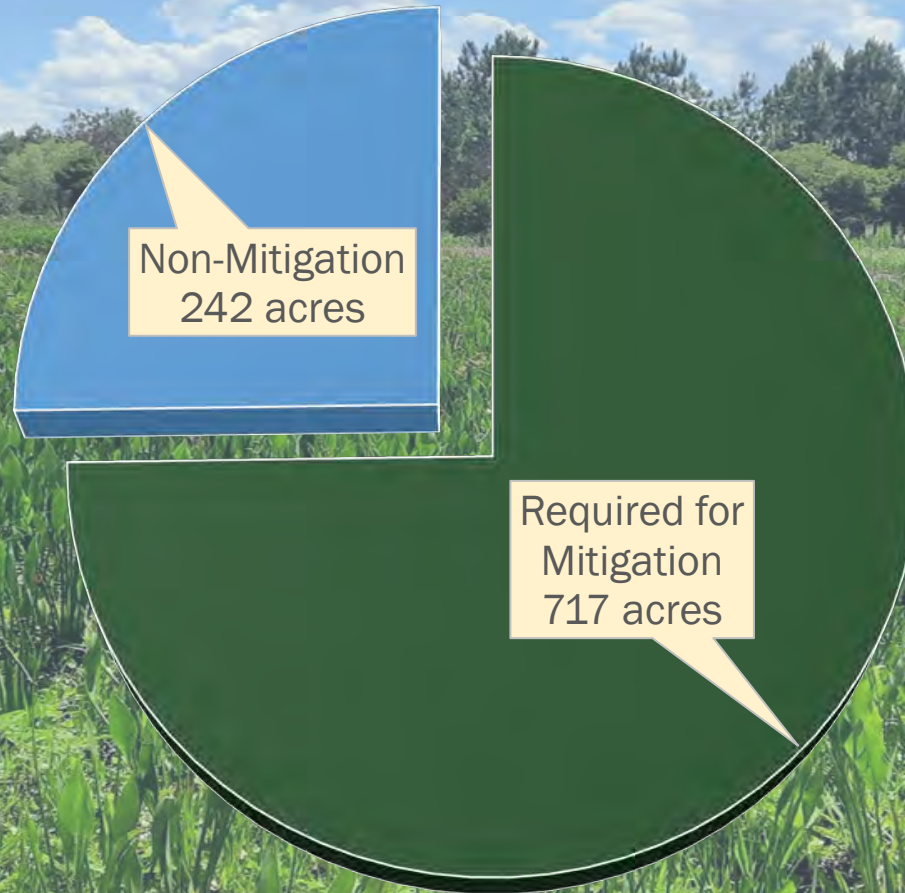
COMPLETED ACTIVITIES THIS YEAR

■ Completed Acres of Impacts ■ Total Acres of Completed Mitigation



CONSERVATION EASEMENTS

8/1/2021 TO 7/31/2022



Since 2014 EPC Wetlands has received **1,544** acres of CEs

That's almost twice the size of Central Park in New York!

AIR DIVISION

Responsible for protecting the environment, and the health and safety of the public, as they relate to air quality.



Reggie Sanford
Division Director

DELEGATIONS & PROGRAMS

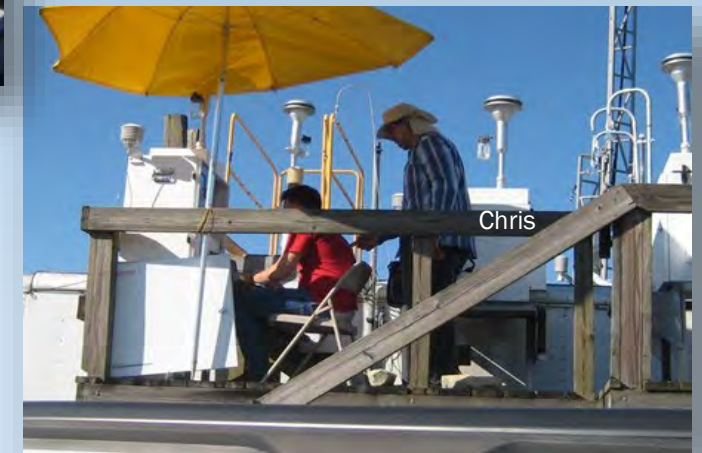


- Noise
- Asbestos



- Permitting
- Open Burning

- Compliance
- Air Monitoring



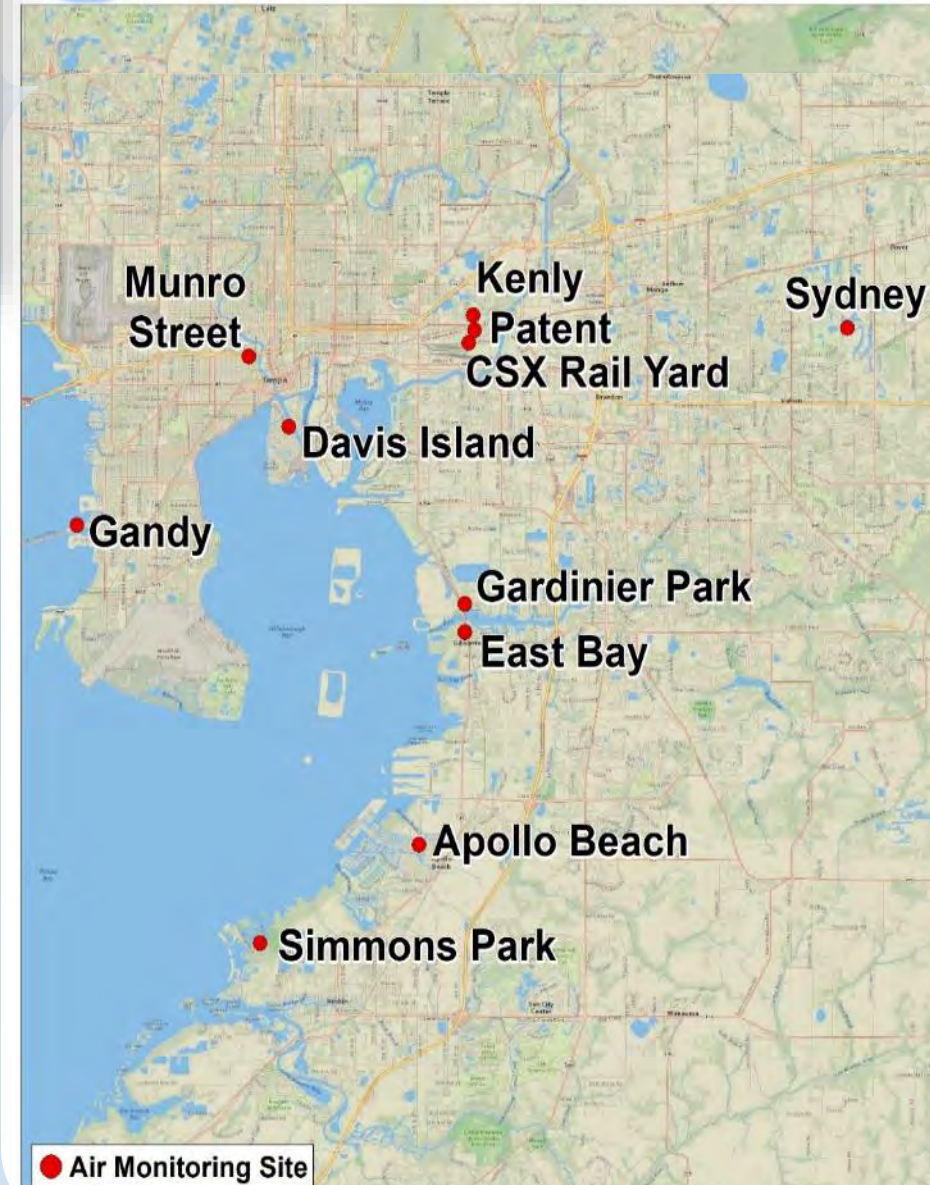
Meeting All Federal Air Quality Standards



Air Monitoring 24/7



AIR MONITORING NETWORK



AIR QUALITY INDEX (AQI)

Number of Unhealthy Air Quality Days for Sensitive Groups



SPECIAL AIR MONITORING PROJECTS



Collaboration between EPC, FDOH, Hillsborough County Public Schools, and Mosaic Fertilizer.

RADON/DUST STUDY

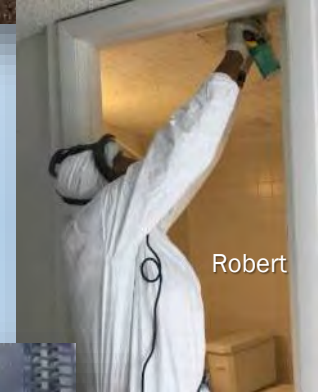
PAMS

(Photochemical Assessment Monitoring Station)

One of two sites in Florida that will provide pollutant concentration data to help better understand Ozone formation.

CITIZEN RESPONSE SECTION

- Responds to noise complaints
- Investigates air pollution complaints



- Issues burning authorizations
- Conducts asbestos inspections on behalf of FDEP



INDUSTRIAL AIR COMPLIANCE & PERMITTING



Diana

Collin

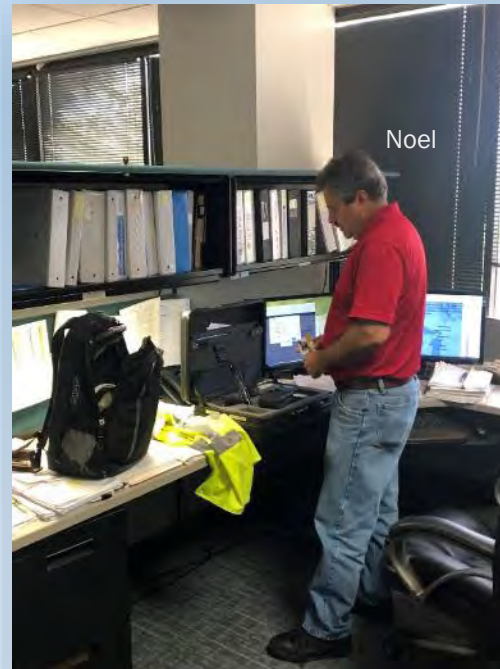
242

Number of delegated permitted facilities

30

Construction permits completed, averaging 27 processing days

100%
State commitments met for FY22



Noel



Felipe

675

Industrial reports reviewed to date

58

Total permits issued to date

WASTE DIVISION

Ensures the responsible and proper management, disposal and recycling of solid and hazardous waste.



Steffanie Wickham
Division Director

DIVISION PROGRAMS

STATE CONTRACTED PETROLEUM CLEANUP PROGRAM

STATE CONTRACTED STORAGE TANKS COMPLIANCE PROGRAM

STATE DELEGATED BROWNFIELDS REDEVELOPMENT PROGRAM

SOLID & HAZARDOUS WASTE PERMITTING AND COMPLIANCE PROGRAM

SMALL QUANTITY GENERATOR HAZARDOUS WASTE (SQG) PROGRAM

PETROLEUM CLEANUP PROGRAM

Approximately **670** contaminated sites remain in cleanup status.

Program funded via Inland Protection Trust Fund (ITPF).



52 contaminated sites closed/completed this contract year.

1,724 sites closed/completed since program inception.



STORAGE TANKS COMPLIANCE PROGRAM



EPC CONTINUES TO
MANAGE PROGRAMS IN
BOTH HILLSBOROUGH
COUNTY AND MANATEE
COUNTY



DURING FY 21/22
634 COMPLIANCE
INSPECTIONS COMPLETED
AT HILLSBOROUGH COUNTY
FACILITIES



DURING FY 21/22
COMBINED TOTAL OF
786 COMPLIANCE
INSPECTIONS PERFORMED

BROWNFIELDS AND OLD LANDFILL REDEVELOPMENT PROGRAMS

- **76 Brownfield sites** in assessment, cleanup, or closure phases of redevelopment
- **\$74 million dollar** increase in property values as a result of Brownfield Site redevelopment
- **45** are managed solely by EPC
- EPC has approved **125 old landfill redevelopment** projects, since its inception



SMALL QUANTITY GENERATOR HAZARDOUS WASTE (SQG) PROGRAM

16,637 facilities in Hillsborough County.

20% of facilities inspected annually.

Automotive Repair · Manufacturing ·
Fabricators · Electroplaters · Retail ·
Department Stores · Automotive · Big
Box Stores · Services · HVAC · Painting
· Electronics Repair · Salons · Medical ·
Dentists · Physicians · Veterinarians ·
Pharmacies

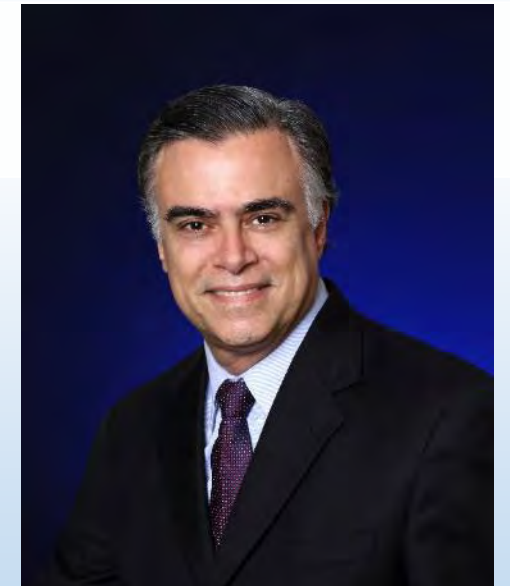


WATER DIVISION

Protects, restores, and enhances surface and groundwater quality.

DELEGATIONS & PROGRAMS

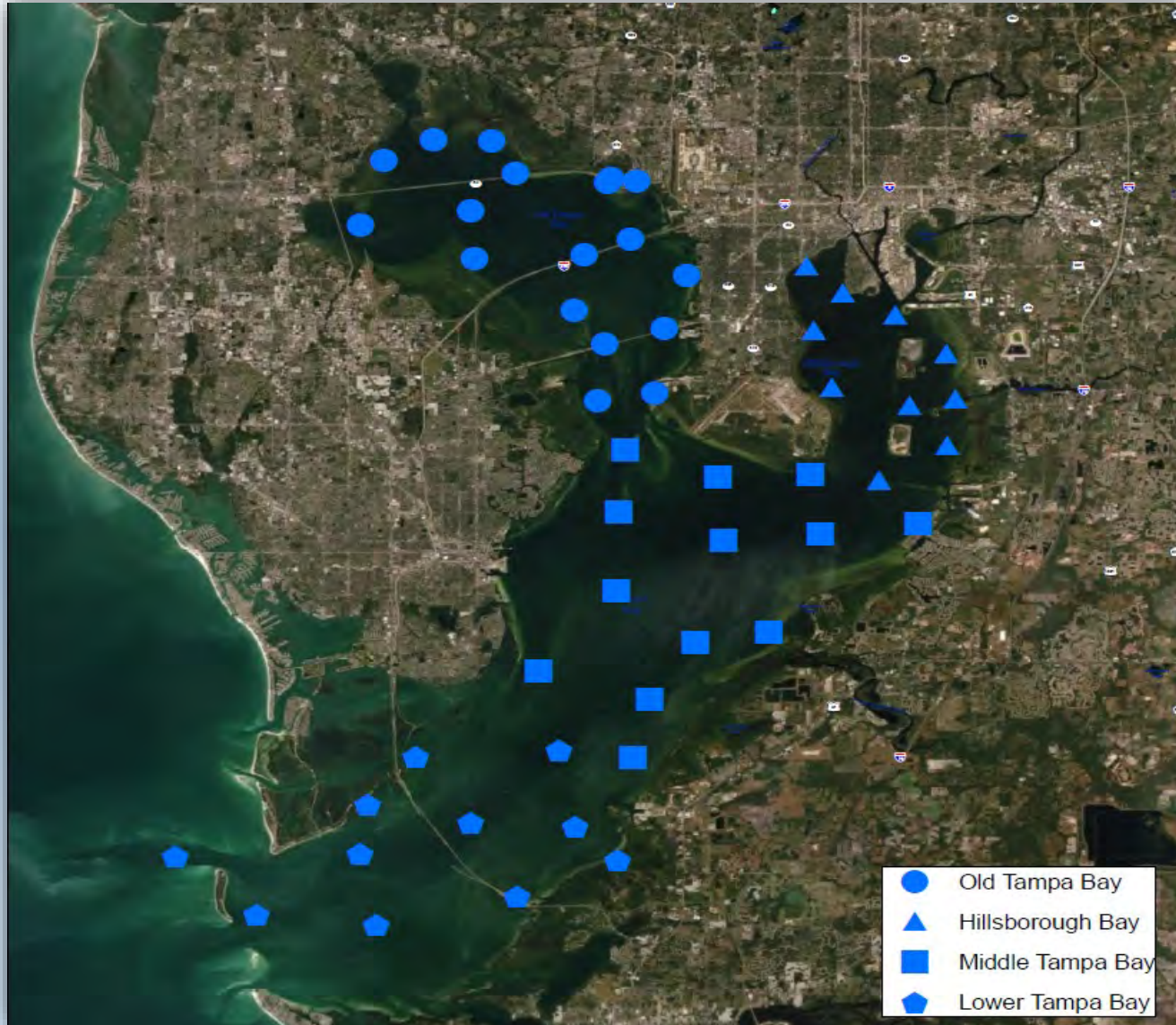
- Domestic & Industrial Wastewater
- Laboratory Services
- Artificial Reef
- Biological Monitoring
- Water Monitoring
- Seagrass Management



Sam Elrabi
Division Director



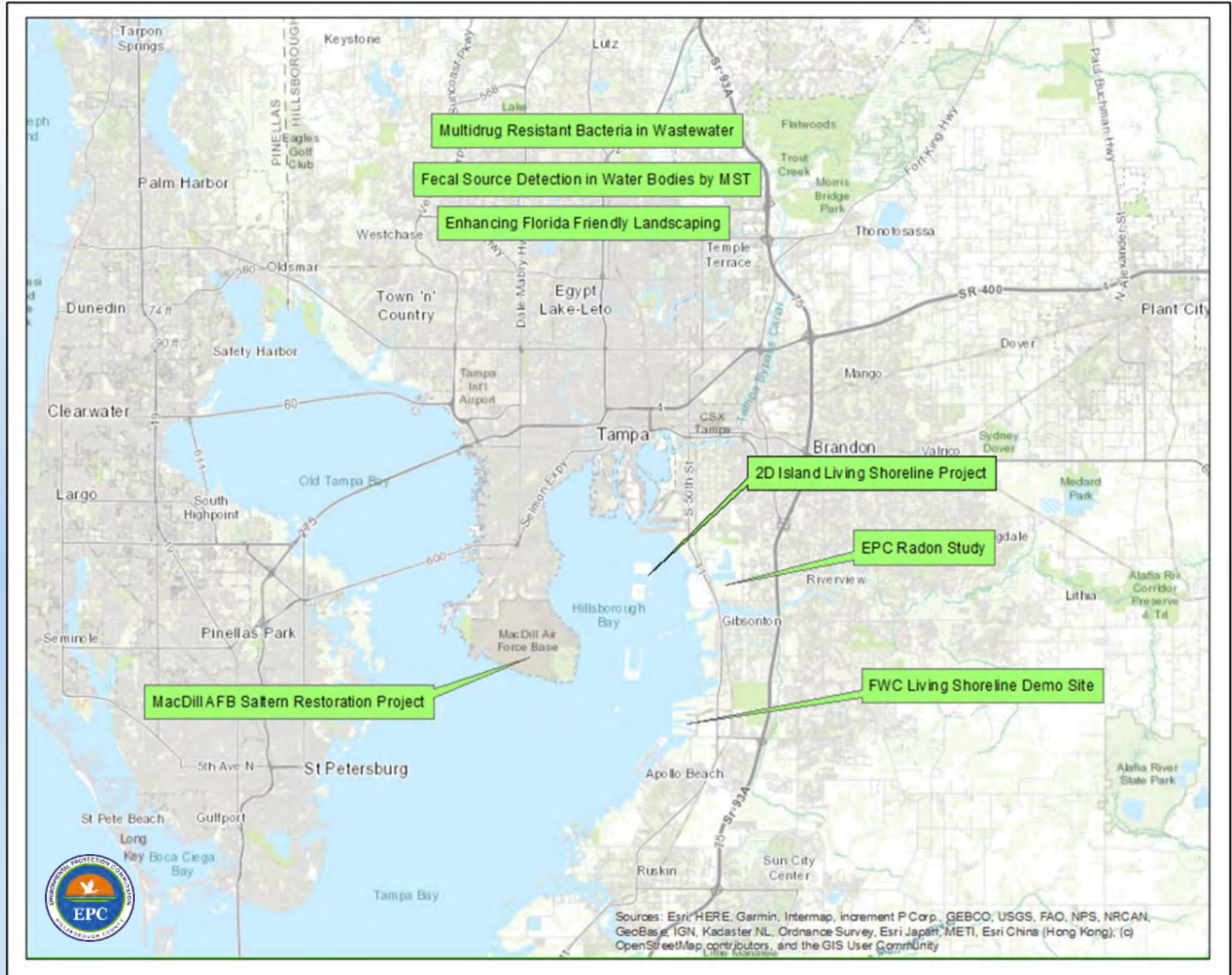
BAY SEGMENT REPORT CARD



Year	HB	OTB	MTB	LTB	Baywide	Grade
2021	93.33	82.58	82.84	79.96	84.10	B
2020	90.57	83.10	90.93	81.17	85.96	B
2019	92.60	85.19	93.42	83.13	88.04	B
2018	85.60	83.37	89.68	79.37	84.33	B
2017	89.64	83.80	93.41	87.10	87.89	B
2016	85.83	80.36	86.31	75.50	81.66	B
2015	91.90	85.52	90.24	79.10	86.37	B
2014	91.27	89.42	91.67	85.71	89.44	B
2013	89.64	86.97	91.87	86.11	88.42	B
2012	88.45	87.24	90.38	82.94	87.20	B
2011	90.48	76.92	86.02	87.53	84.05	B
2010	89.56	81.08	88.49	78.37	83.79	B
2009	85.99	82.01	87.91	82.74	84.30	B
2008	86.31	86.57	89.98	79.62	85.71	B
2007	90.83	82.40	87.85	85.33	85.95	B
2006	91.79	89.62	93.95	82.64	89.42	B
2005	86.90	81.86	86.51	76.09	82.57	B
2004	85.32	76.64	86.61	71.23	79.36	C
2003	79.24	72.04	83.23	70.18	75.73	C
2002	81.47	74.43	85.12	69.68	77.36	C
2001	80.83	69.40	75.50	66.59	72.54	C
2000	80.60	77.85	76.43	58.61	73.99	C
1999	83.42	77.83	82.44	65.87	78.08	C
1998	60.37	64.06	54.91	52.06	59.48	D
1997	77.82	71.23	73.49	72.03	73.52	C
1996	78.55	70.51	78.57	75.47	74.86	C
1995	66.29	66.18	68.48	59.20	65.64	C
1994	64.88	64.41	64.83	59.83	63.84	C
1993	79.62	67.36	76.70	67.95	72.18	C
1992	73.06	69.16	74.43	66.28	70.57	C
1991	67.14	65.81	70.72	66.03	67.31	C
1990	67.64	55.56	63.97	63.54	61.74	C
1989	60.00	54.39	60.42	58.45	57.85	D
1988	63.23	66.01	70.07	67.89	66.85	C
1987	57.38	52.05	62.00	68.61	59.15	D
1986	60.93	62.48	71.26	73.41	66.67	C
1985	48.67	59.44	58.13	66.34	58.49	D
1984	57.86	45.62	57.14	62.93	54.64	D
1983	48.68	48.41	50.00	53.82	50.04	D
1982	48.05	50.45	50.27	57.95	51.58	D
1981	43.63	42.18	43.82	45.78	43.65	D
1980	53.10	37.04	35.43	38.46	40.18	D
1979	45.95	38.07	39.38	41.23	40.66	D
1978	45.71	45.55	38.46	43.10	43.36	D
1977	48.99	40.48	42.91	45.31	43.92	D
1976	50.16	43.22	53.57	48.54	48.26	D
1975	52.86	43.60	48.95	48.36	47.76	D
1974	54.06	45.76	48.33	46.29	48.34	D

2022 EPC POLLUTION RECOVERY FUND (PRF)

- 7 projects currently open
- 3 projects county-wide
- The PRF has provided over \$8 million in grant funds for over 170 environmental projects since 1987



WATER COMPLIANCE INSPECTIONS

Inspection program of permitted domestic and industrial wastewater facilities

- Routine inspections ensure compliance with state rules regarding the collection, treatment, and disposal of treated wastewater
- 400 facility inspections completed in FY22



WATER CITIZEN RESPONSE

Citizen response program for all incoming concerns regarding pollution of county surface waters, groundwaters, and water quality concerns.



Downtown construction runoff to the River



Private sewage pump station overflow



Sampling the Bay from a citizen's dock



Sampling Hillsborough River following a sewage spill

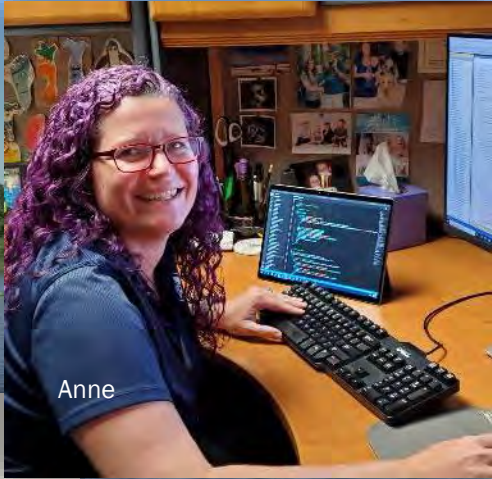
- Over 350 citizen complaint investigations
- 60 Warning Notices issued
- 7 Enforcement Actions with penalties

ADMINISTRATION DIVISION AND LEGAL

Provides support for our four operational divisions and information and services to the public.



Andy



Anne



Kristian



Savita



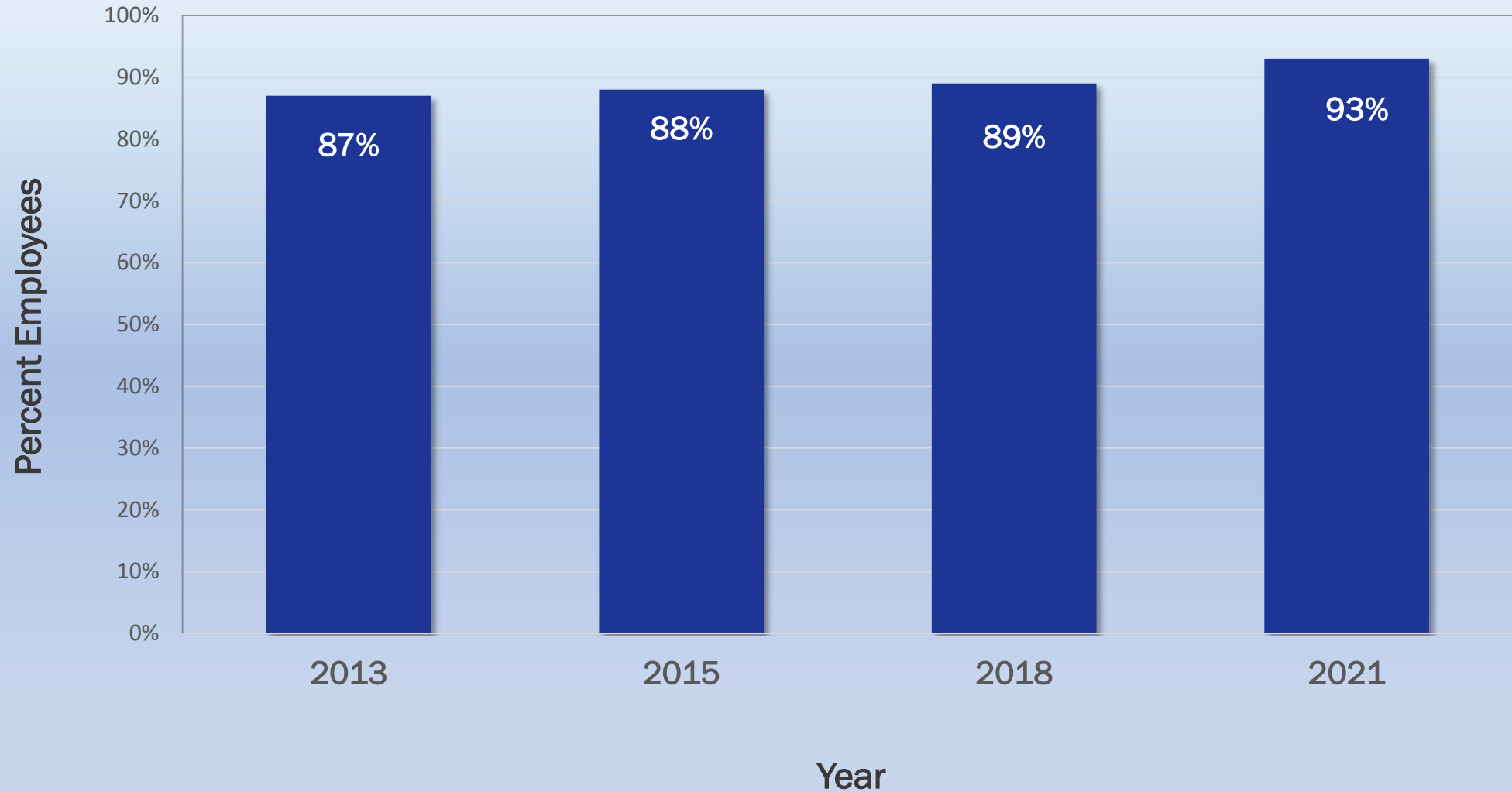
Elaine DeLeeuw
Division Director



Rick Muratti
General Counsel

EPC Employee Survey

Overall Satisfaction



EPC Customer Survey



Good

Percent of All Responses with Good – Excellent Customer Rating



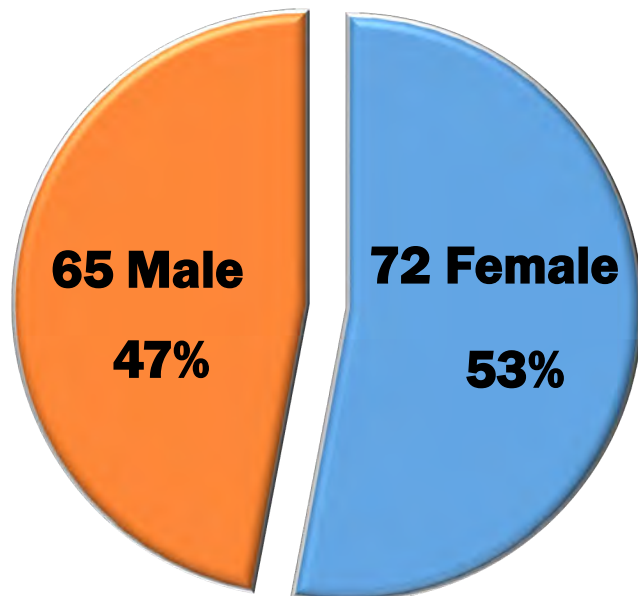
Overall Satisfaction has steadily increased over the last 10 years

STAFF

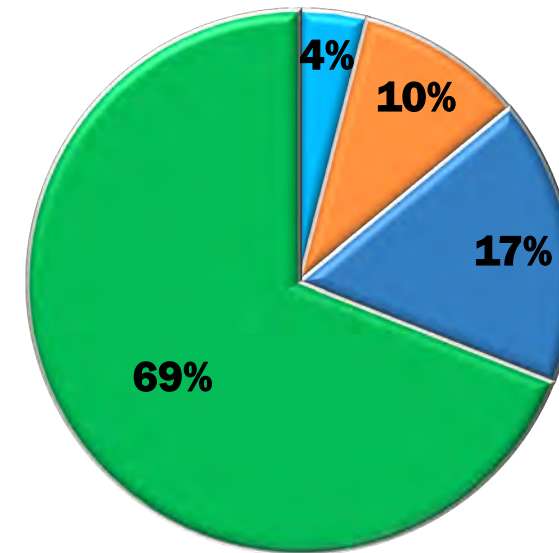


DIVERSITY

EPC AGENCY WIDE GENDER DATA
SEPT 2022



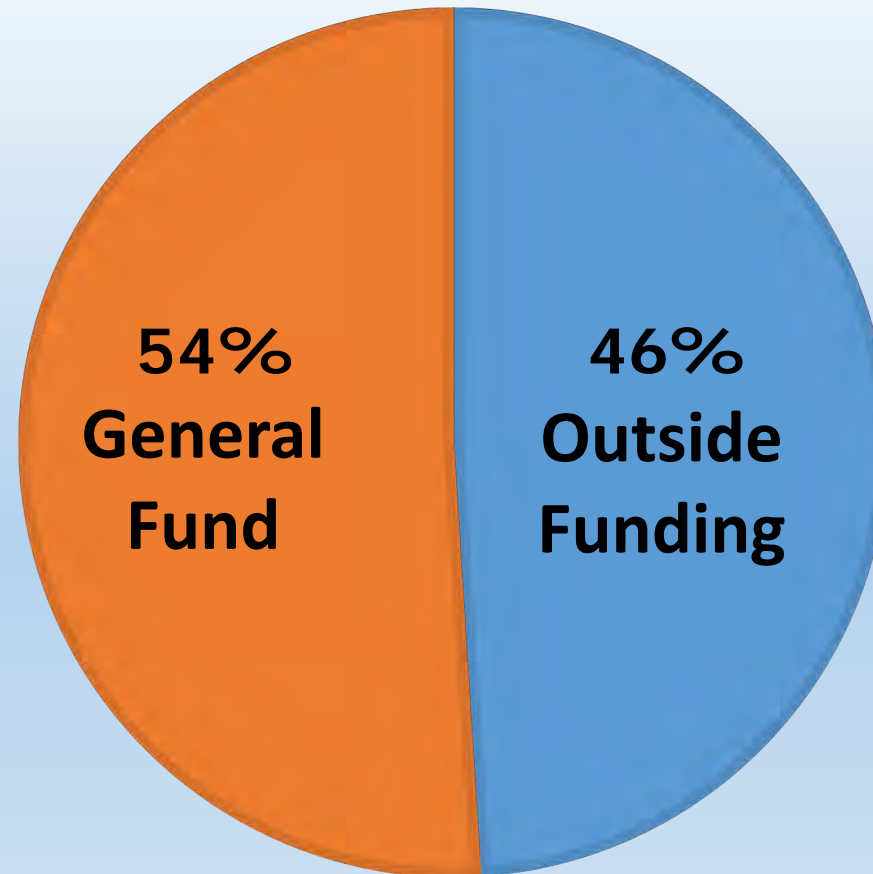
EPC AGENCY WIDE EEO CLASS
SEPT 2022



■ Asian = 6 ■ Black = 14 ■ Hispanic = 23 ■ White = 94

EPC'S FISCAL RESPONSIBILITY

Total Budget
\$11.5M



2022 Expenditures
(Projected)

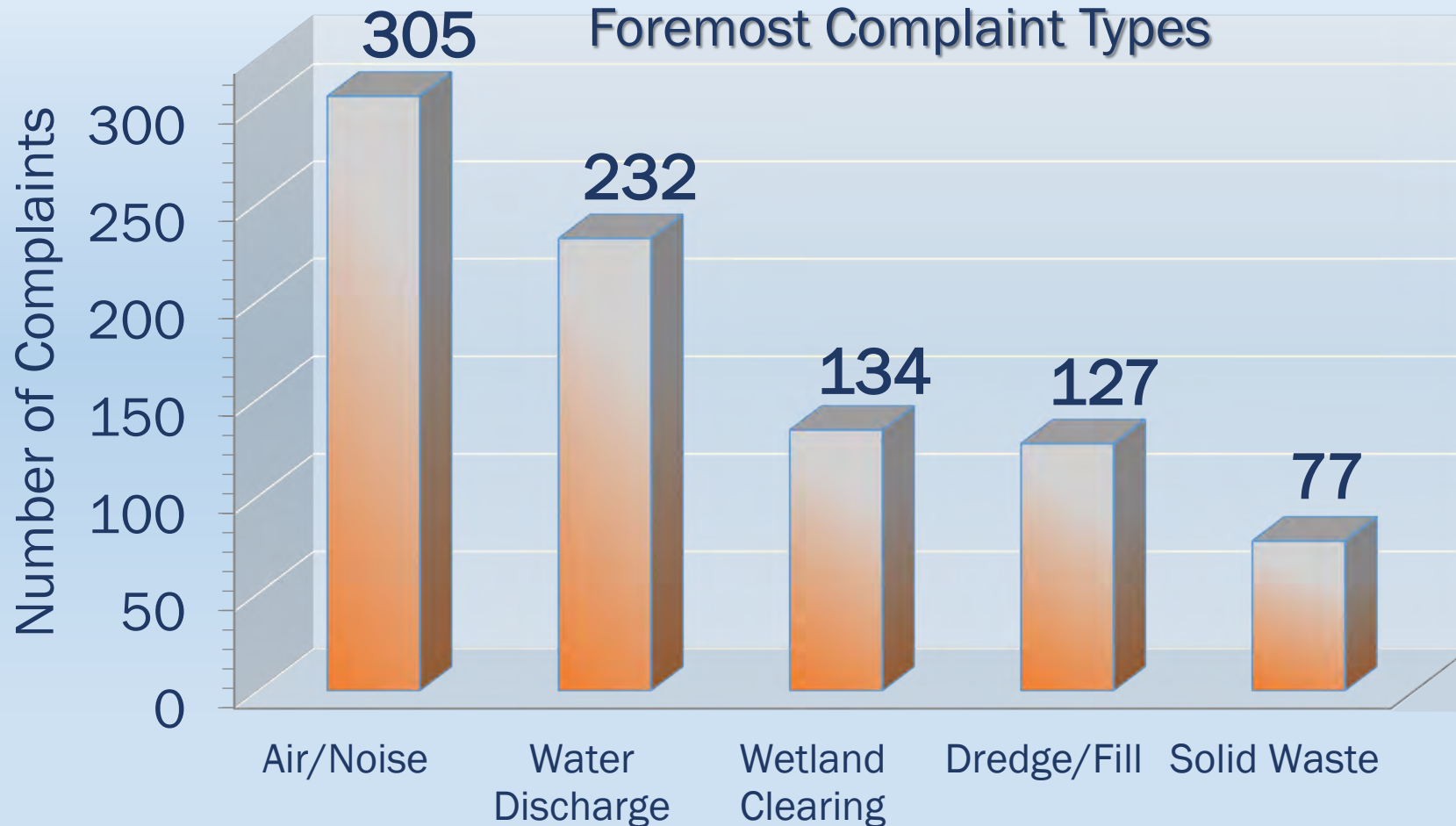
FY22 AUDITS

47 TOTAL, FROM 8 AGENCIES

EPC Division	Agencies	Program Names	Audit Types
Water	Florida Department of Health, EPA, Wales Scientific	Water Division Chemistry Laboratory, National Air Toxics Trending Stations	Laboratory Testing Accuracy (2), Proficiency Testing (2), Laboratory Certification for FDOH
Waste	Dept. of Environmental Protection, Hillsborough County	Petroleum Cleanup Program	Monthly Program Audit (12), Clerk Audit
Air	Dept. of Environmental Protection, EPA, Federal Contract Audit	State and Local Air Monitoring Stations Network, Monitoring Network	Instrument Performance Audits (13), Lead (Pb) Quality Assurance Systems Audit (1), Technical Systems Audit (2), Instrument Performance Audits (6), Field Audit
Wetlands	Dept. of Environmental Protection, Hillsborough County, Army Corps of Engineers, Tampa Port Authority	Mangrove Delegation, ERP Single-Family Delegation, Development Services, State Programmatic General Permit (SPGP), Minor Work Permits Delegation	Permit Writing, Compliance and Enforcement Activities (4), Permitting Comments/Reviews
Admin	Clerk of the Circuit Court	Payroll	Annual QA/QC

FY22 ENVIRONMENTAL COMPLAINT STATS

RESPONDING TO OUR CITIZENS



Total complaints (FY to date):

1,490

3-Day response time met:

99%

Timely closure:

100%

FY22 AGENCY GOALS

Core Function	Measure	Pre-Sterling Year (2009)	2020	2021	2022 (YTD)	2022 Goal
Permitting	Average Time to Issue an Intent for State Construction Permits	57 days	28 days	23 days	26 days	Less Than or Equal to 30 days
	Average Time to Issue an Intent for Tampa Port Authority Permits	56 days	56 days	58 days	42 days	Less Than or Equal to 60 days
	Average Time EPC Permits were In-house	21 days	36 days	34 days	32 days	Less Than or Equal to 30 days
Compliance	Timely Resolution of Lower Level Non-Compliance Cases	92%	97%	93%	95%	Greater Than or Equal to 95%
Environmental Complaints	Timely Initiation of Investigation	99% in 5 Days	96% in 3 Days	97% in 3 Days	98% in 3 Days	Greater Than or Equal to 90% in 3 Days
Enforcement	Timely Initiation of Enforcement	73%	98%	98%	100%	Greater Than or Equal to 90%

PARTNERSHIP IN SUSTAINABILITY



Jason



Michelle

Jason Waters, Lizzie Ehrenlich, Allison Yeh, Naya Young, Yonghong Luo

EPC AIR MONITORING NETWORK

EPC's Role:

- Provide air monitoring expertise and guidance
- Assist with site selection and logistics
- Enable access to regulatory air monitoring stations
- Provide regulatory monitoring data for analysis and comparison
- Assist with project promotion through outreach

Goals:

- Allow for more comprehensive community data collection
- Evaluate equity in Hillsborough County air quality
- Determine local-scale

A photograph showing a group of people, including children and adults, standing in front of a building. They appear to be participating in an outreach or community event.

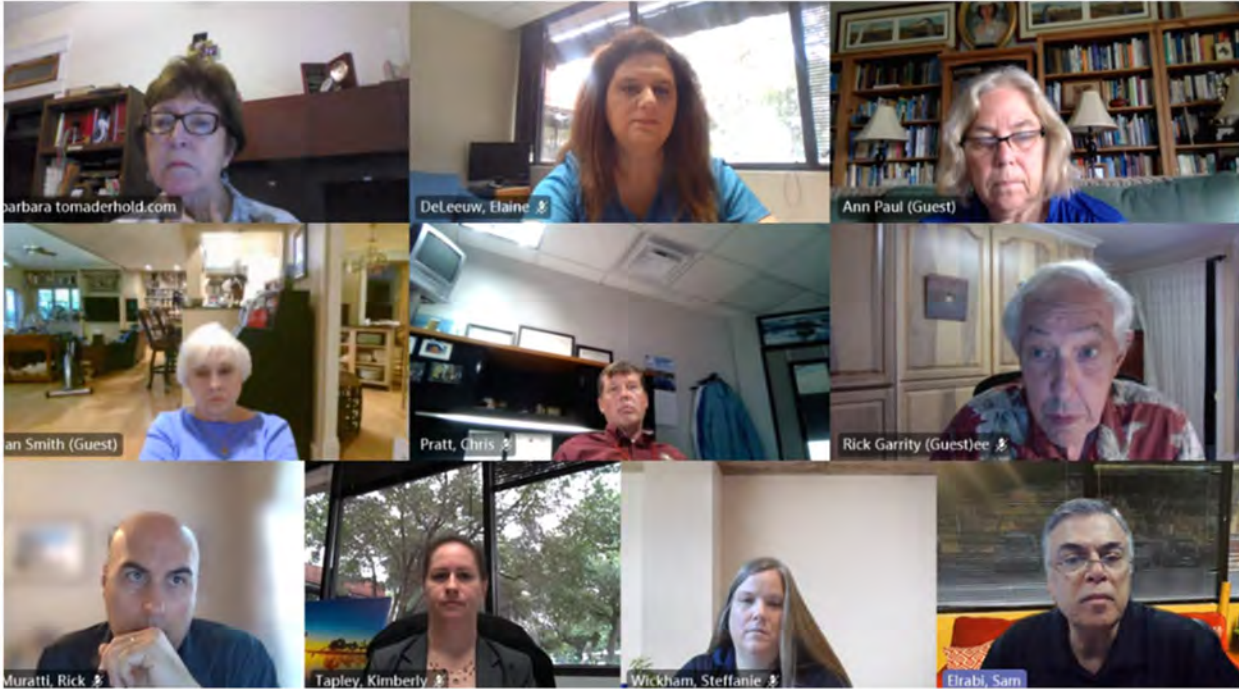
CONNECTING SOLAR INTO THE COMMUNITY



Commissioner Kemp, Dr. Garrity, EPC Staff, & SUN Partners



EXECUTIVE DIRECTOR'S FEEDBACK GROUPS



ENVIRONMENTAL



BUSINESS



CEQ Chair Brenda Mallory, Congresswoman Kathy Castor, Commissioner Myers, & EPC Staff

COUNCIL ON ENVIRONMENTAL QUALITY

TOUR & ROUNDTABLE DISCUSSION



CONNECTING WITH COMMUNITY



ARBOR DAY



FRESH FROM FLORIDA AG EVENT



USF ENGINEERING EXPO



NATURE'S CLASSROOM OPEN HOUSE



EPC ENGINEERING AND SCIENCE EXPO



REGIONAL STEM FAIR

CONNECTING WITH COMMUNITY



Janet Lomon Commissioner Overman

PLANT CITY'S STRAWBERRY LUNCHEON



Janet

AGRITECH TRADESHOW AND SEMINARS



Commissioner Cohen and EPC Staff

GREAT PORT CLEANUP – MCKAY BAY



Mary Nita Beth Dave

ECOFEST



Janet

FLORIDA TAXWATCH CITIZEN INSTITUTE



Jeff Janet Commissioner Smith Elaine Ed

**HILLSBOROUGH 100
CONSERVATION CHALLENGE**

CONNECTING WITH COMMUNITY



Commissioner Myers

Janet

STAFF PARTICIPATED IN MULTIPLE TOWNHALL MEETINGS HOSTED BY COMMISSIONER MYERS



Gerry

NAHMA CONFERENCE



Wetlands Staff

FLERA WETLANDS WORKSHOP



Kenly Townhall Meeting



Photo Courtesy TBT

Regulators inspect Tampa lead smelter



COMMUNITY PROJECTS OF HEIGHTENED CONCERN



Commissioner Smith, Congresswoman Castor, and Janet



Commissioner Myers, Janet, Reggie, and HCSO

CLEAN AIR FAIR 2022



EPC's 21ST ANNUAL ENVIRONMENTAL PHOTO CONTEST



CLEAN AIR!



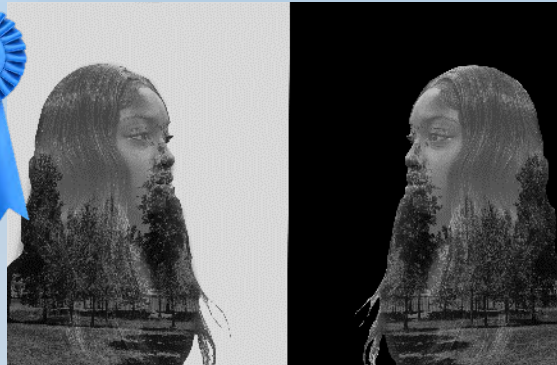
Katelyn Adams | Armwood



Ava Whalen | Gaither



Eli Lopez-Miralles | Blake



Morgan Collins | Blake



Ella Ousley | Blake

GIVING BACK TO THE COMMUNITY



#EPCcares



Rachel



Savita



Elves for Elders[®]
Check out one of many Elves For Elders stories! This and so much more was made possible by the generosity of our donors and we can't thank them enough for making every holiday season a great one for our Elders.
THANK YOU!!!



Dave



Emily

FEEDING Tampa Bay Because Food Makes Tomorrow Possible





EPC Staff, PRC Staff,
and Hooshang Boostani



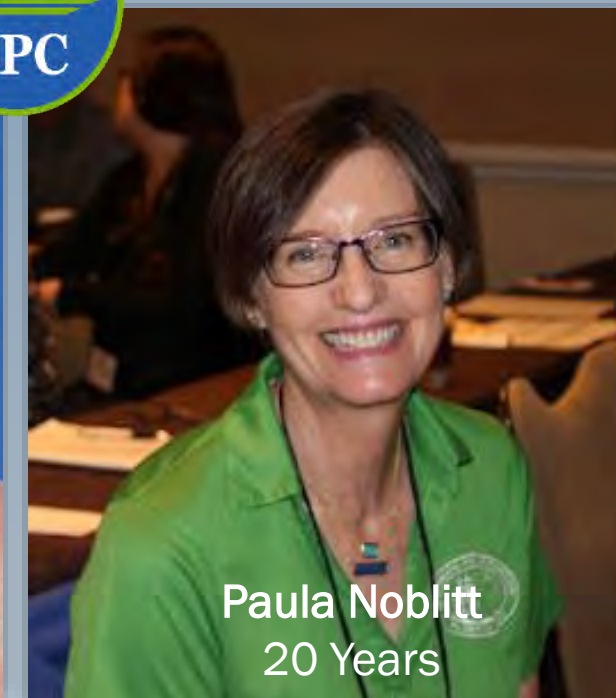
Hooshang Boostani and Hoo Boo

PET RESOURCE CENTER INAUGURAL FUNDRAISER EVENT

For the
L^{PAW}VE of
Boostani



EPC STAFF RETIREMENTS



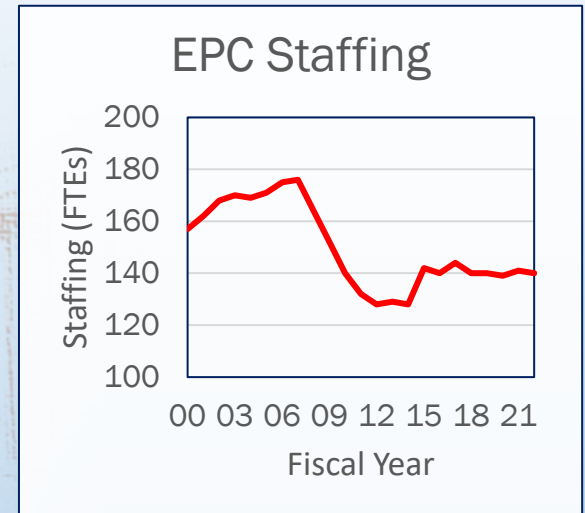
CHALLENGES FOR EPC IN FY23

- Remaining competitive for retention and recruitment
- Environmental strains from population and industry growth
- Balancing environmental protection with sustainable development
- Meeting the demands for increasing workload
- Evolving with technological advances



MEETING DEMANDS FOR INCREASING WORKLOAD

- Increased efficiencies, but increased workload
- Performance measures show improvements, but still above goal
- Historical staff reduction while County population grows
- Institutional knowledge loss due to retirements and staff departures
- Technology/databases require increased IT applications



EPC STAFF



OUR COMMISSION'S SUPPORT



Harry
Cohen

Gwen
Myers

Ken Hagan

Stacy White

Vice-Chair
Pat Kemp

Kimberly
Overman

Chair
Mariella Smith