

A photograph of a river flowing through a forest. The water is dark and turbulent, with white foam from rapids. Numerous large, moss-covered rocks are scattered throughout the riverbed. The background is a dense forest with various trees and greenery.

EPC's 2016 Annual Report "Striving for Environmental Excellence"

September 15, 2016
EPC Board



Environmental Protection Commission of Hillsborough County

MISSION

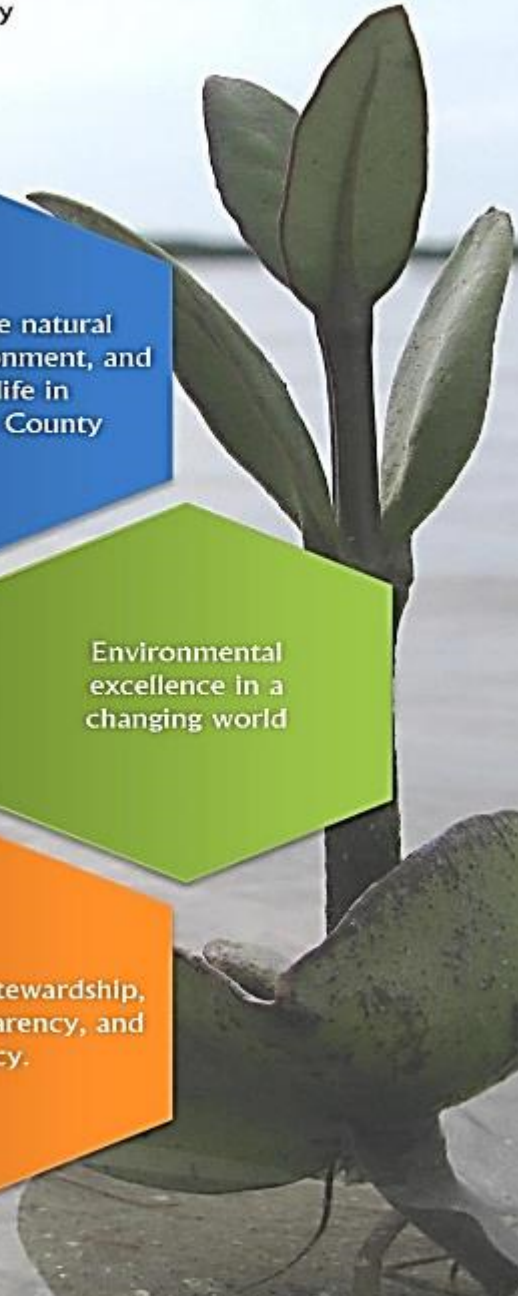
To protect the natural resources, environment, and quality of life in Hillsborough County

VISION

Environmental excellence in a changing world

VALUES

Environmental stewardship, integrity, transparency, and efficiency.



EPC's Core Functions Under Our Act



World Partnership – Indonesian Contingency

Core Functions

Citizen Support & Outreach - Promoting Environmental Stewardship

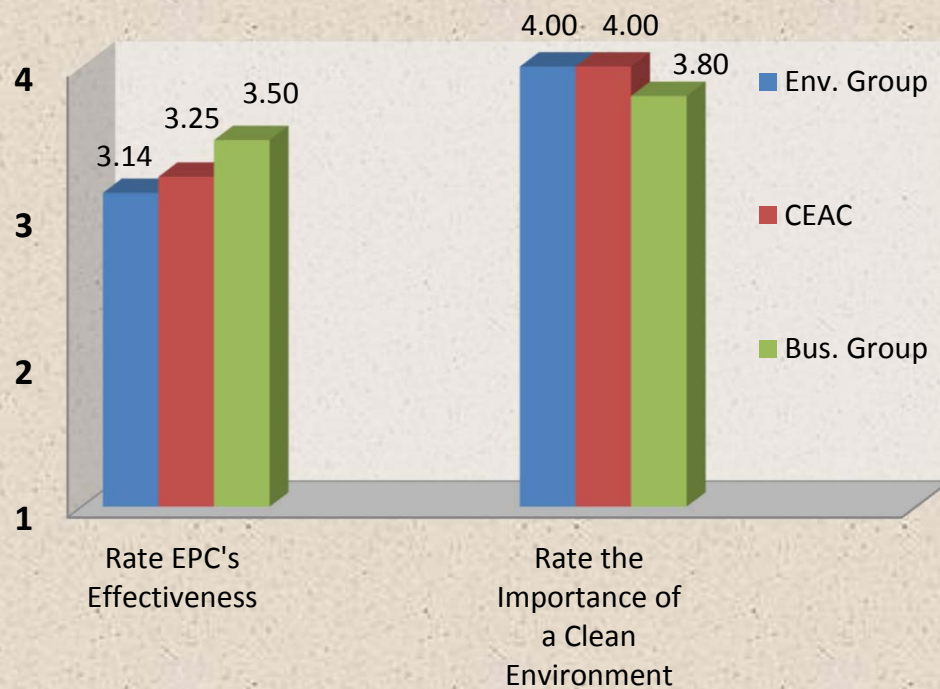
Air & Water Monitoring – Comprehensive and Unbiased

Environmental Permitting – Done with Efficiency and Transparency

Compliance Assistance – Achieving Compliance through Education

Enforcement – Using Integrity and Fairness to Resolve Non-Compliance Issues

Striving for Environmental Excellence by Working More Closely with Our Stakeholders



Striving for Environmental Excellence by Pushing for Answers

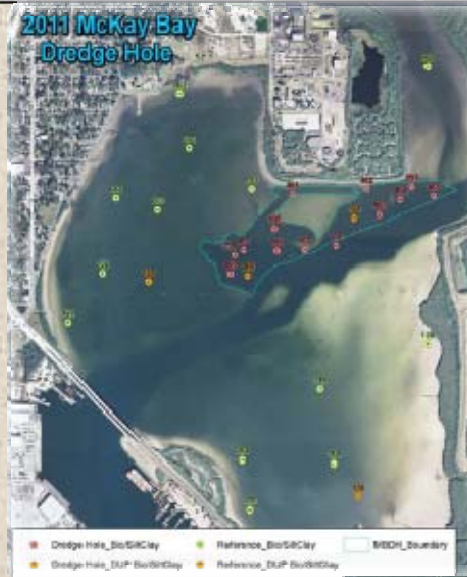
EPA Wetland Grant



- \$227K to study the success of mitigation areas in Hillsborough County

TBEP & SWFWMD Dredge Hole Grants

- \$86K to look at viability of restoring dredge holes in Tampa Bay



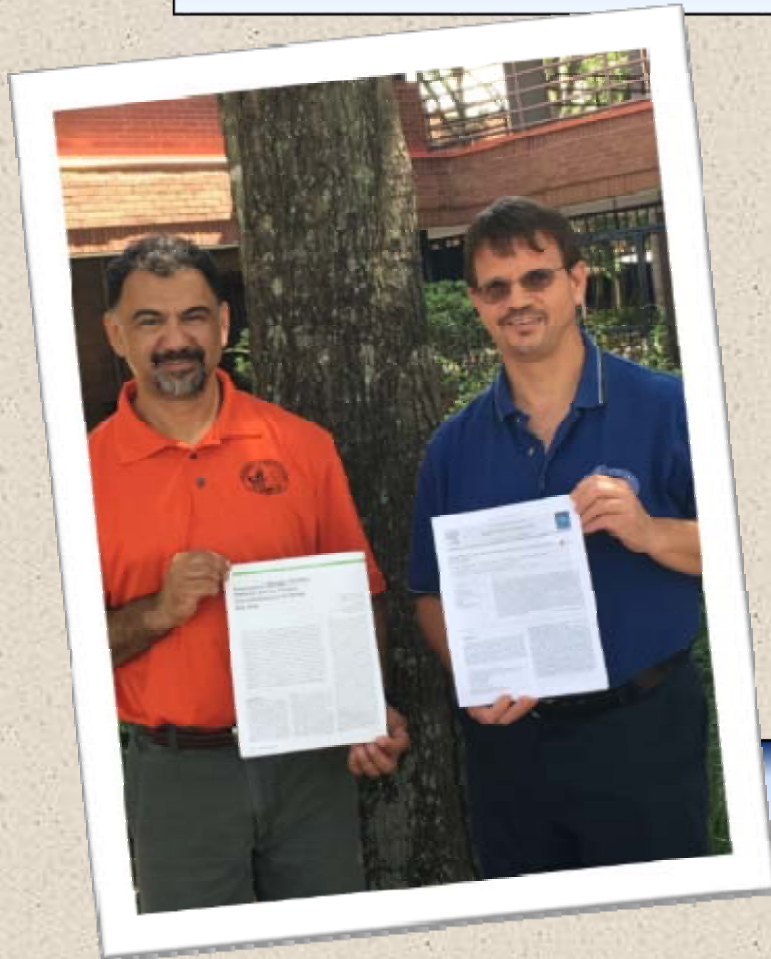
- \$60K to identify invertebrates on existing artificial reefs

FFWCC Artificial Reef Invertebrate Grant



Striving for Environmental Excellence by Developing Staff

Hosting a vibrant Toastmaster's Chapter at the Agency



Encouraging Staff to get published



Striving for Environmental Excellence by Partnering With Stakeholders

Providing PRF money to Economic Development to collect spent agricultural pesticides



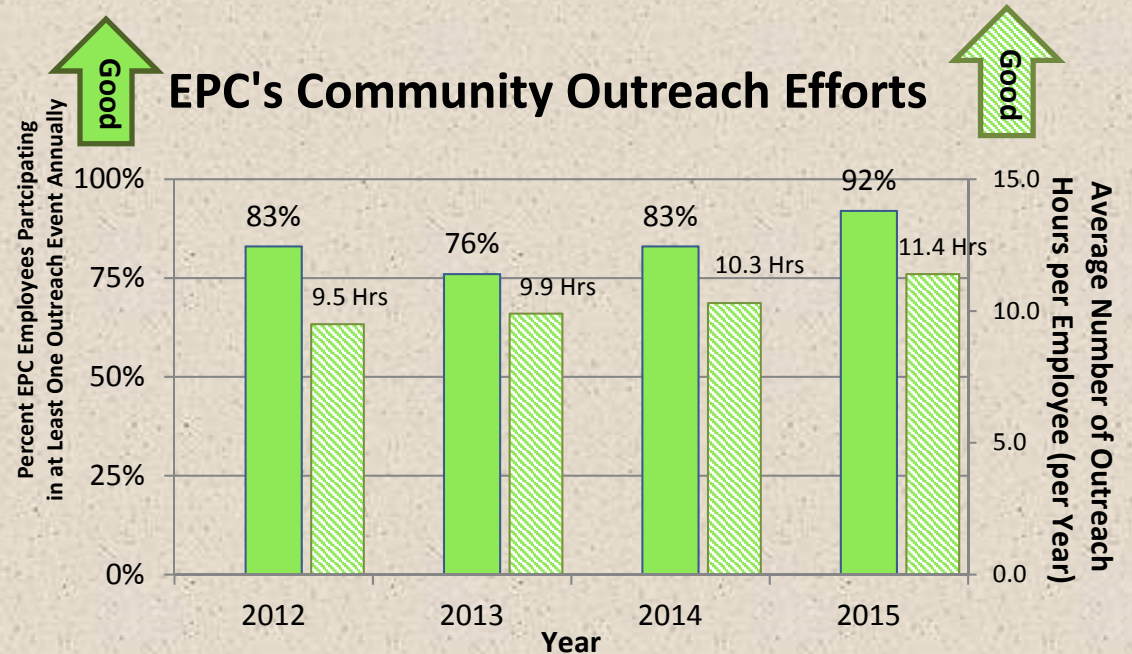
Working with State and Manatee County for a more efficient petroleum clean up program



Teaming up with Plant City  for pre-application meetings for economic development

Striving for Environmental Excellence by Emphasizing Stewardship

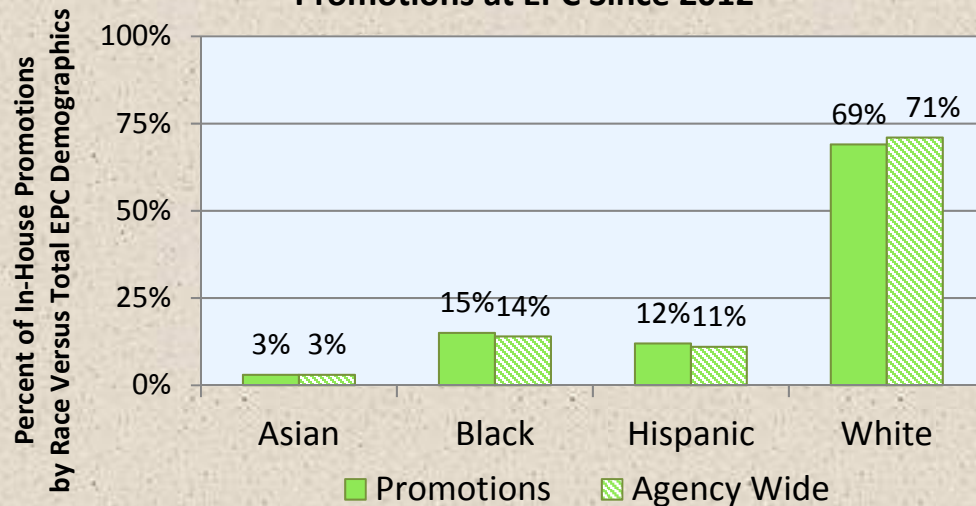
Last year over 90% of EPC Staff participated in at least one outreach event, totaling 1500 hours



In 2015 EPC won a Best Practices Award from Sustainability Florida for the Clean Air Fair

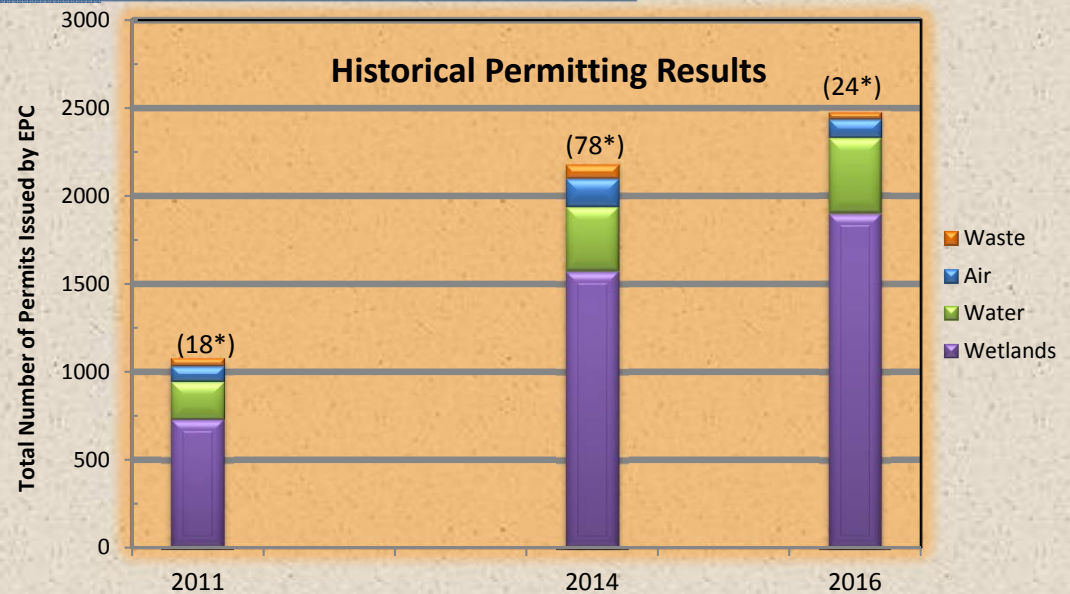
Striving for Environmental Excellence by Measuring Ourselves

Demographics of In-House Promotions at EPC Since 2012



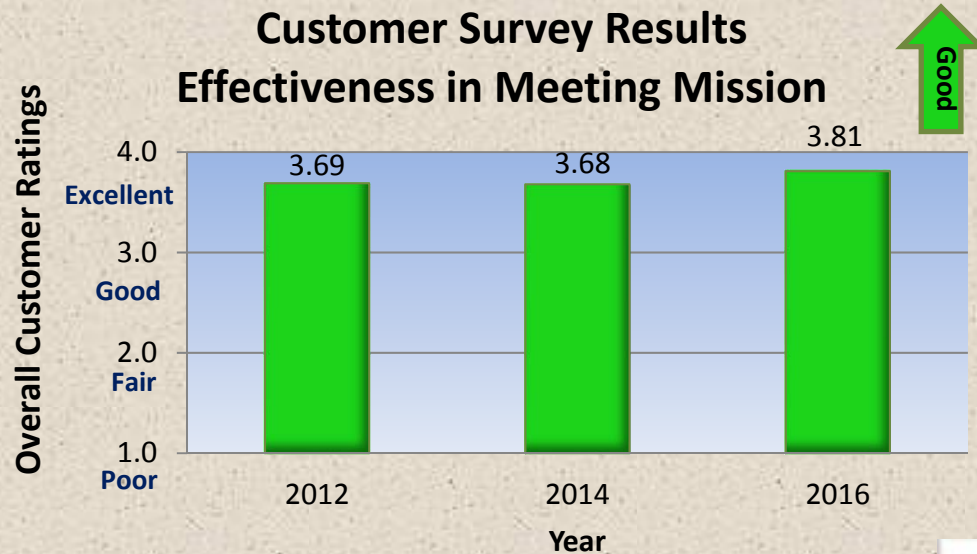
EPC not only measures staff diversity, but we also look at how protected classes are promoted

Despite 2.5 times more applications, staff is reducing the number of permits which remain in-house for an extended period



*Number of permits that took longer than 180 days to issue

Striving for Environmental Excellence by Challenging Status Quo



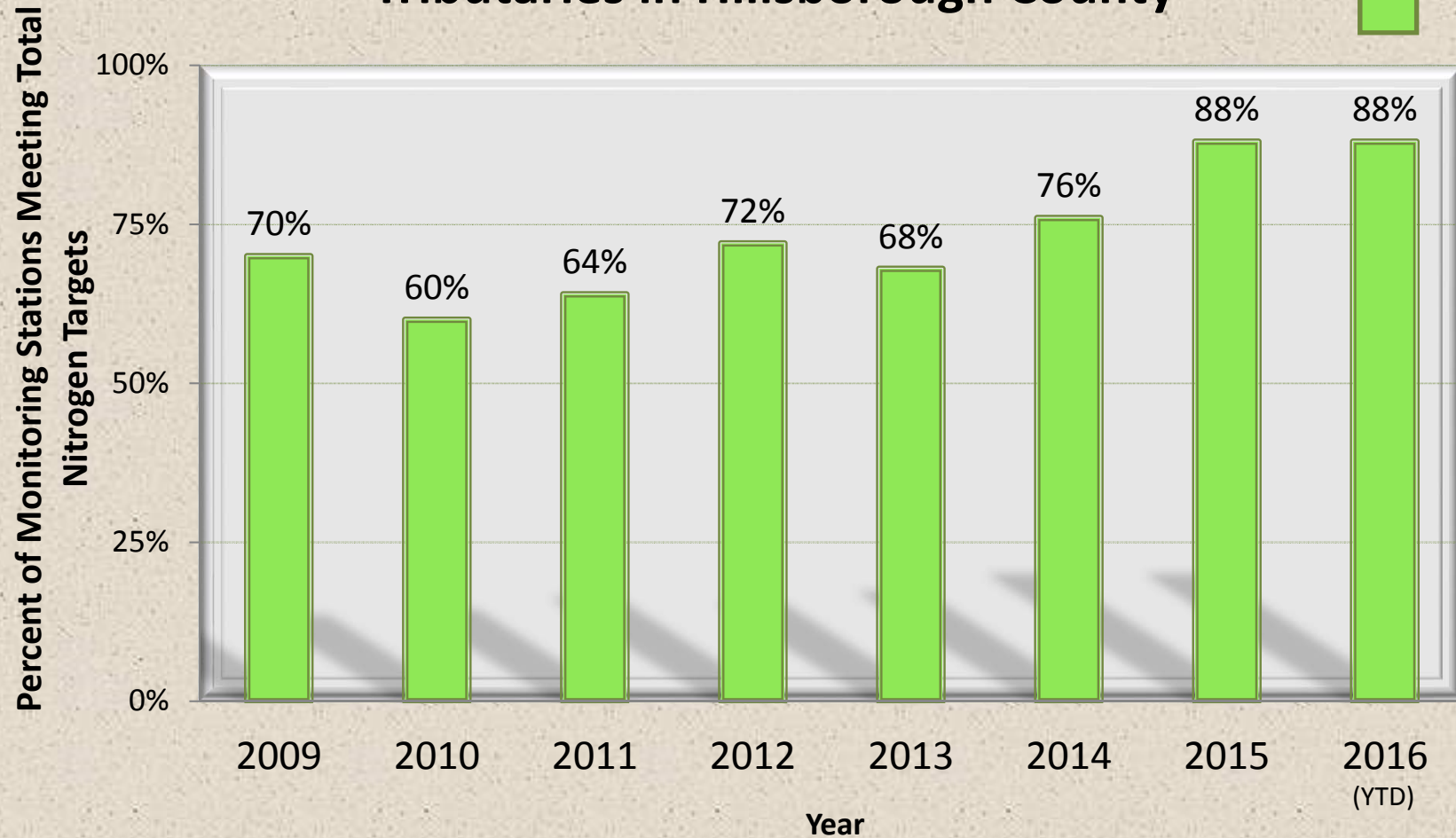
Launching a pilot environmental complaint program to try to improve service

Seeking continuous improvement and winning the GSA



Natural Resources Update

Water Quality Trends for the Major Tributaries in Hillsborough County



Bay Segment Report Card

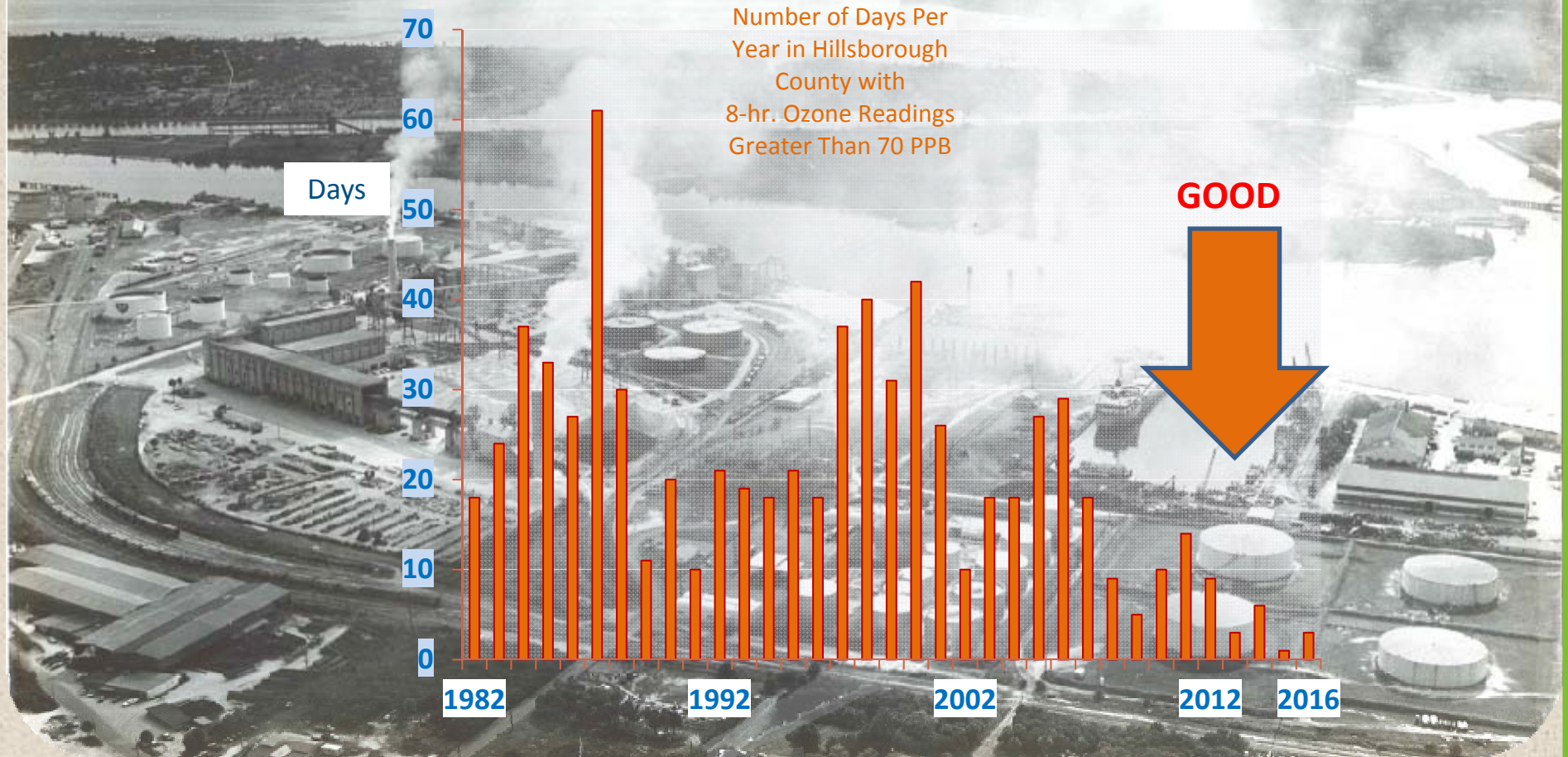


Year	HB	OTB	MTB	LTB	Bay Wide	Grade
1974	54.06	45.76	48.33	46.29	48.34	D
1975	52.86	43.60	48.95	48.36	47.76	D
1976	50.16	43.22	53.57	48.54	48.26	D
1977	48.99	40.48	42.91	45.31	43.92	D
1978	45.71	45.55	38.46	43.10	43.36	D
1979	45.95	38.07	39.38	41.23	40.66	D
1980	53.10	37.04	35.43	38.46	40.18	D
1981	43.63	42.18	43.82	45.78	43.65	D
1982	48.05	50.45	50.27	57.95	51.58	D
1983	48.68	48.41	50.00	53.82	50.04	D
1984	57.86	45.62	57.14	62.93	54.64	D
1985	48.67	59.44	58.13	66.34	58.49	D
1986	60.93	62.48	71.26	73.41	66.67	C
1987	57.38	52.05	62.00	68.61	59.15	D
1988	63.23	66.01	70.07	67.89	66.85	C
1989	60.00	54.39	60.42	58.45	57.85	D
1990	67.64	55.56	63.97	63.54	61.74	C
1991	67.14	65.81	70.72	66.03	67.31	C
1992	73.06	69.16	74.43	66.28	70.57	C
1993	79.62	67.36	76.70	67.95	72.18	C
1994	64.88	64.41	64.83	59.83	63.84	C
1995	66.29	66.18	68.48	59.20	65.64	C
1996	78.55	70.51	78.57	75.47	74.86	C
1997	77.82	71.23	73.49	72.03	73.52	C
1998	60.37	64.06	54.91	52.06	59.48	D
1999	83.42	77.83	82.44	65.87	78.08	C
2000	80.60	77.85	76.43	58.61	73.99	C
2001	80.83	69.40	75.50	66.59	72.54	C
2002	81.47	74.43	85.12	69.68	77.36	C
2003	79.24	72.04	83.23	70.18	75.73	C
2004	85.32	76.64	86.61	71.23	79.36	C
2005	86.90	81.86	86.51	76.09	82.57	B
2006	91.79	89.62	93.95	82.64	89.42	B
2007	90.83	82.40	87.85	85.33	85.95	B
2008	86.31	86.57	89.98	79.62	85.71	B
2009	85.97	82.01	87.88	82.74	84.29	B
2010	89.56	81.08	88.49	78.37	83.79	B
2011	90.48	76.92	86.02	87.53	84.05	B
2012	88.45	87.24	90.38	82.94	87.20	B
2013	89.64	86.97	91.87	86.11	88.42	B
2014	91.27	89.42	91.67	85.71	89.44	B
2015	91.90	85.52	90.24	79.10	86.37	B

Natural Resources Update

August 11, 1972

The Health of the Air



Rewriting EPC's Open Burn Rule



- Rewrote 17 year-old rule
- Ensured consistency with State regulators
- Simplified language and processes for our customers



Protecting Our Groundwater



Over 1800 petroleum discharges
remediated since 1987



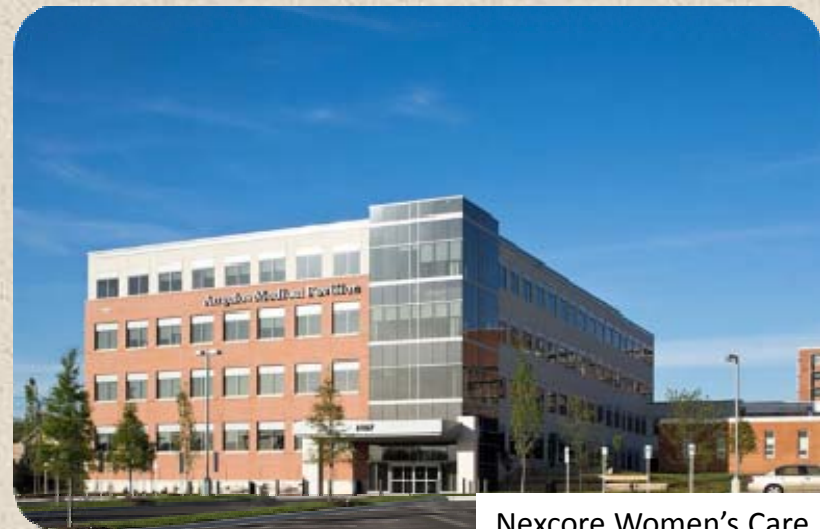
Over 40,000 compliance assistance
visits to small businesses since 1990

Promoting Safe Redevelopment of Blighted Areas



City of Tampa Park
Waterworks Bandshell

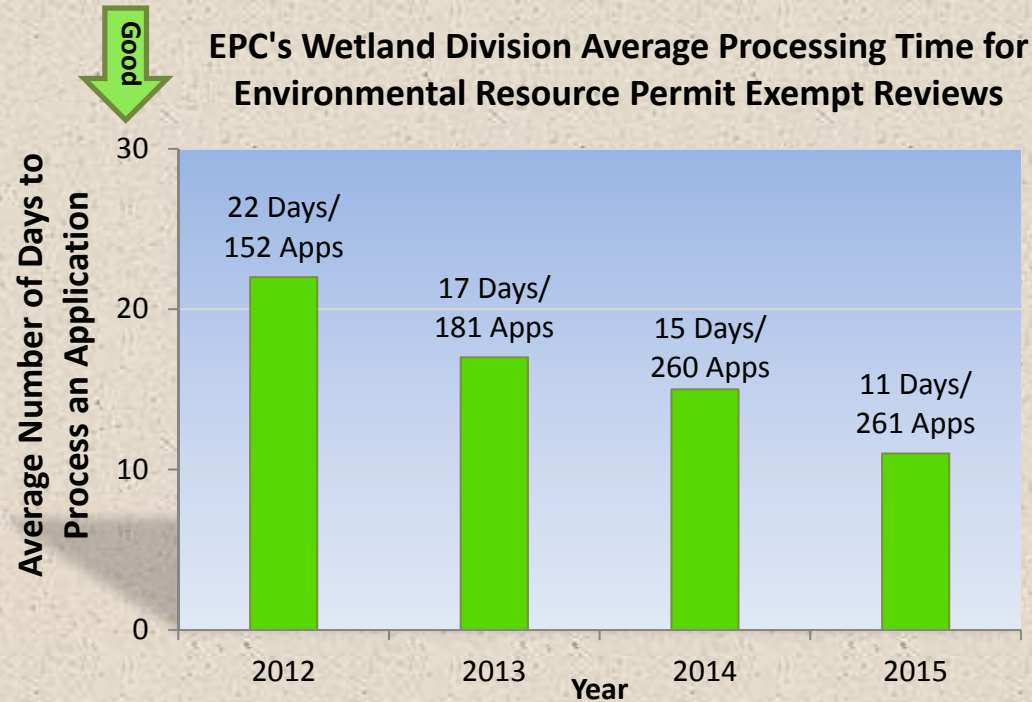
EPC's Brownfield Program works to promote in-fill and return blighted, under-utilized and contaminated properties back to the tax rolls



Nexcore Women's Care
Outpatient Pavilion

EPC's Old Landfill
Redevelopment Program
authorizes safe reuse of old
landfill sites

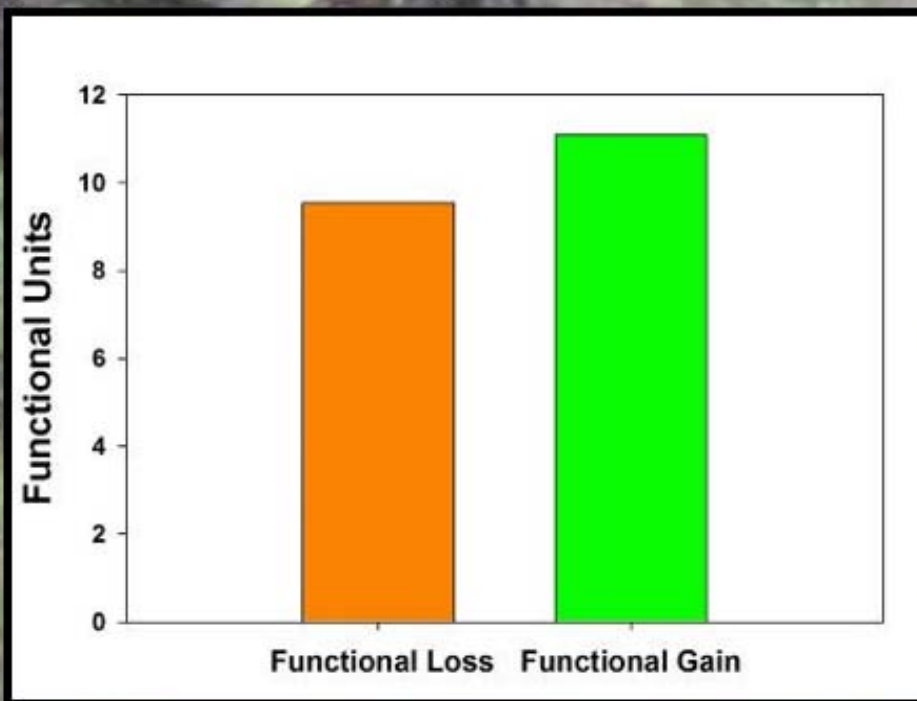
Improving Efficiency and Effectiveness of Wetland Protection



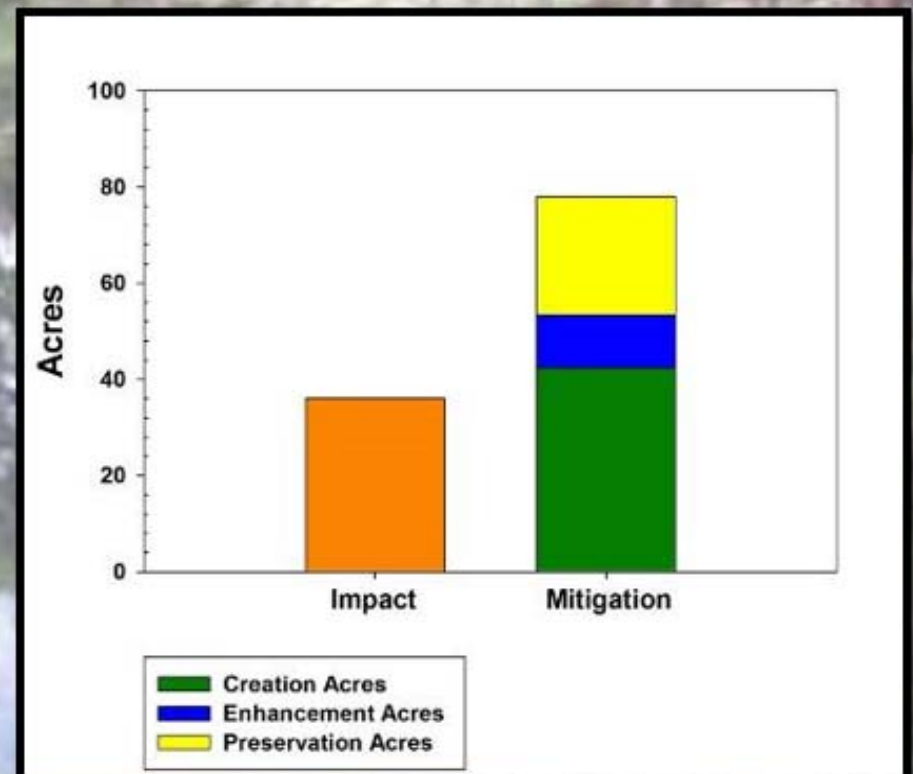
Worked with Development community to have 4.5 acres of wetland placed under conservation easement

Measuring the Quality and Quantity of Mitigation Areas Under EPC's Wetland Program

Cumulative Wetland Function Gain / Loss for July 2015 to September 2016 (Quality)



Cumulative Wetland Gain / Loss in Acres for July 2015 to September 2016 (Quantity)



Pursuing One Stop Permitting for Wetlands



Docks, Seawalls & Dredging can require multiple approvals. EPC has delegation of 15 major environmental programs including:

- Mangrove Trimming from DEP (2006)
- Port Tampa Bay Minor Work Permits (2009)
- Single Family Homes Environmental Resource Permitting from DEP (2011)
- Army Corp Minor Work Authorizations (2013)

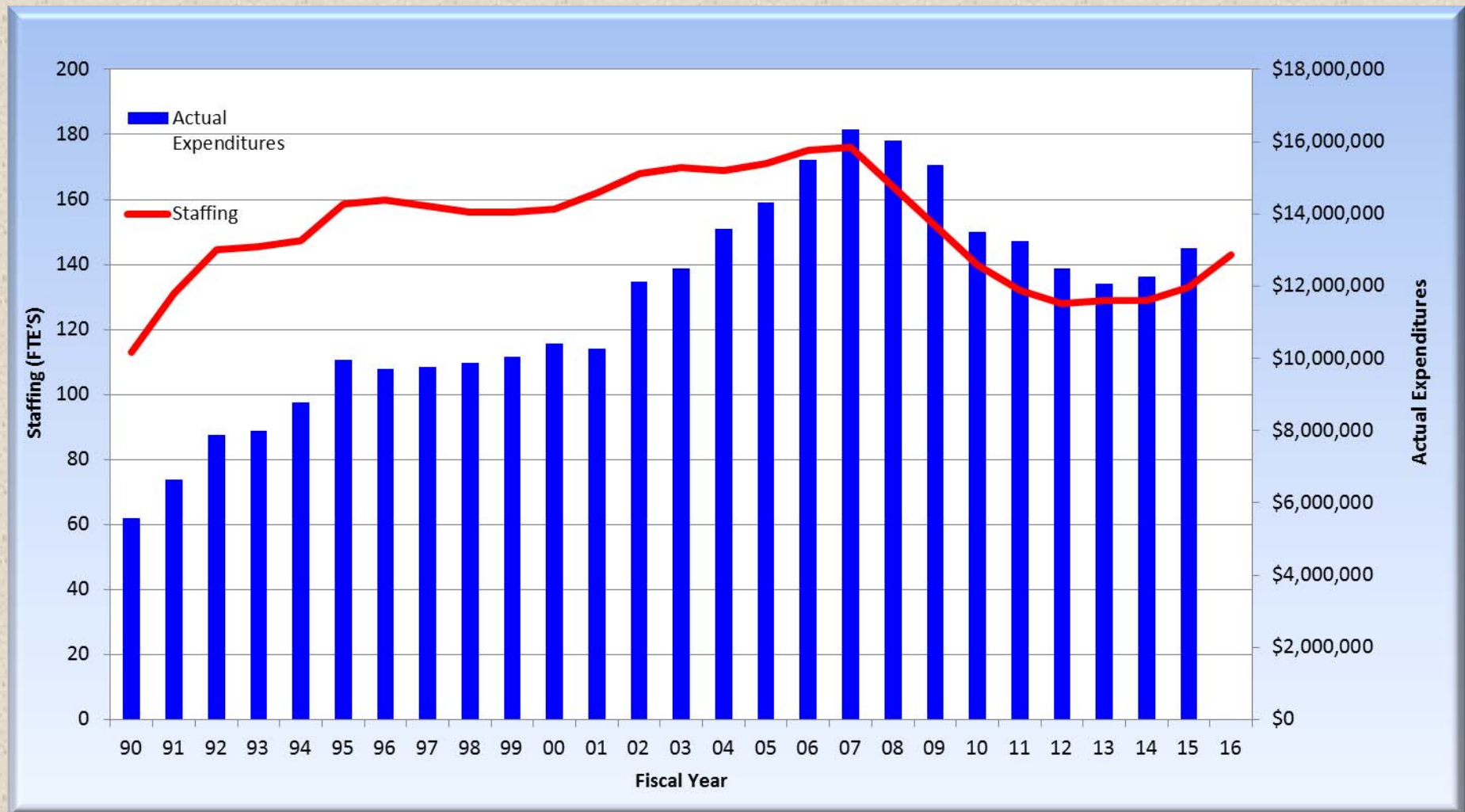
EPC's Biennial Customer Survey Takeaways

- Overall customer satisfaction is at an all-time high of 3.58 out of 4.00
- 81.6 % preferred doing business with EPC
- EPC website use is up over previous years but ratings are flat and could use improvement

2016 Performance Goals

Core Function	Measure	Pre-Sterling Year (2009)	2013	2014	2015	2016 YTD (2 nd Qtr)	2016 Goal
Permitting	Average Time to Issue an Intent for State Construction Permits	57 days	29 days	20 days	18 days	18 days	Less Than or Equal to 35 days
	Average Time to Issue an Intent for Tampa Port Authority Permits	56 days	46 days	55 days	45 days	43 days	Less Than or Equal to 55 days
	Average Time EPC Permits were In-house	21 days	17 days	19 days	23 days	21 days	Less Than or Equal to 25 days
Compliance	Timely Resolution of Lower Level Non-Compliance Cases	92%	92%	93%	92%	90%	Greater Than or Equal to 90%
Environmental Complaints	Timely Initiation of Investigation	99% in 5 Days	99% in 5 Days	99% in 5 Days	98% in 3 Days	97% in 3 Days	Greater Than or Equal to 90% in 3 Days
Enforcement	Timely Initiation of Enforcement	73%	94%	96%	100%	90%	Greater Than or Equal to 90%

EPC's Staffing and Expenditures



* In 2015 EPC operated at 1992 staffing levels with actual expenditures equivalent to 2004. This is despite a 50% increase in population in Hillsborough County since 1990.

EPC's Challenges Ahead

- Developing a website to maximize EPC's on-line services and community outreach
- Promoting in-fill where it makes environmental sense
- Assisting the community in preparing for climate adaptation



