

Green Implementation Advancement Board Annual Update

Board Members

April 9, 2019

- ▶ Hal Stern, Chairperson
- ▶ Sandy Trento, Vice Chairperson
- ▶ Sarah Lucas, 2nd Vice Chairperson
- ▶ Susan Lebrun
- ▶ Lisa Shaheen
- ▶ Mark Cassini - Alternate
- ▶ Christina Hammond - Alternate
- ▶ *Board Liaison - Ana Puszkin-Chevlin*

2019 ACCOMPLISHMENTS

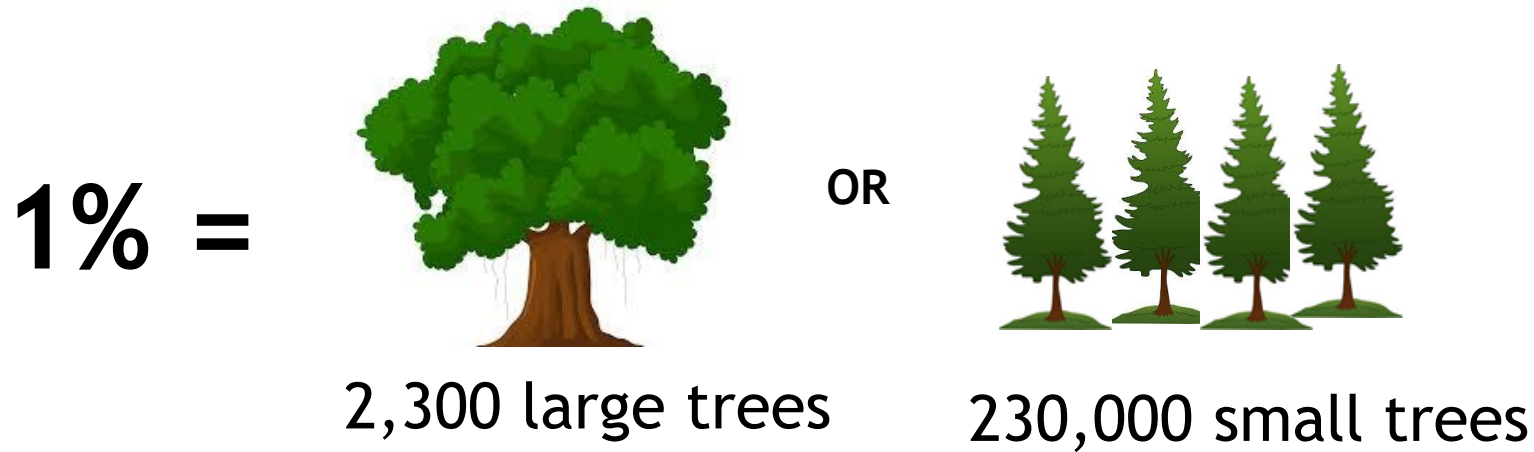
1. Plastic Straw Ban - Enacted January 2019
2. 2018 Green Works Newsletter - Published January 2019
3. Tree Canopy Assessment - Completed January 2019
4. Greenhouse Gas Emission Study - Completed February 2019
5. Textile Recycling - Approved April 2019

TREE CANOPY ASSESSMENT FINDINGS

- ▶ The City's overall canopy is 23% - 2,405 out of 10,465 acres
- ▶ Canopy varies by neighborhood - 15% - 29%
 - ▶ NW/SW neighborhood and south central industrial area are at 15%
- ▶ Tree canopy is calculated to provide approximately \$5.7 million in ecosystem services, or \$550 per acre, including rainfall interception, carbon capture and air quality improvement

TREE CANOPY ASSESSMENT TAKE-AWAYS

It would take 105 acres to increase the City's canopy by 1%



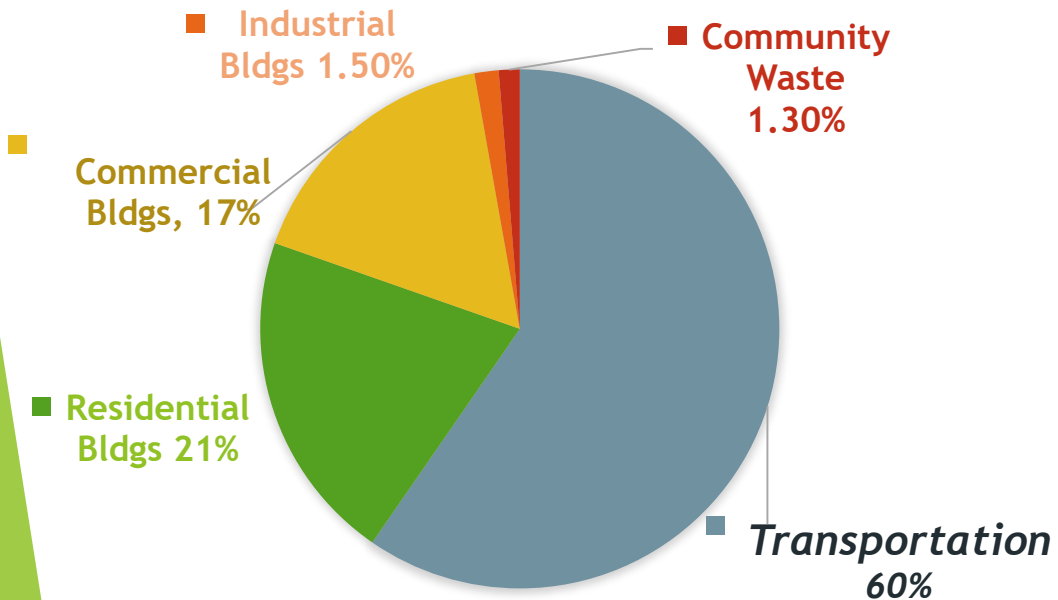
GIAB Supports Report Recommendations :

- ▶ Raise the canopy to 27% to 28% by initiating a campaign to plant 10,000 new trees by 2035
- ▶ Foster public and private collaboration as the City does not have the needed acreage
- ▶ Protect existing tree canopy - city inventory, staff arborists, periodic LDR review
- ▶ Prioritize bringing under-storied neighborhoods closer to the mean
- ▶ Organize Tree Planting events

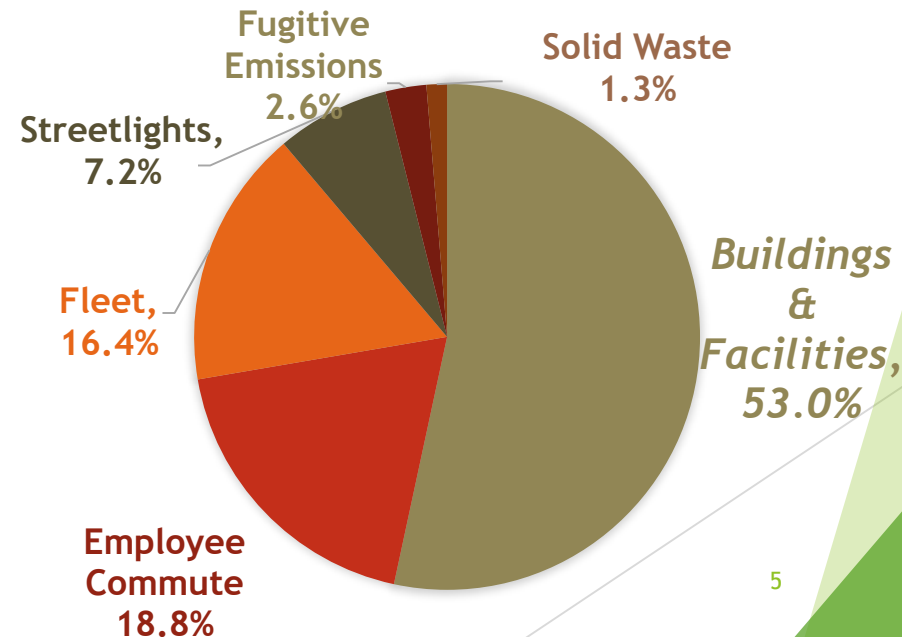
GhG INVENTORY RESULTS

The GhG Inventory established 2017 emissions baseline. It should frame goals and responses supporting an 80% reduction by 2050 per the Paris Climate Agreement, or better net-zero.

Total Community-Wide Emissions 998,446 mtCo2e



City Operations Emission 19,651 mtCo2e



GhG EMISSION FORECAST & REDUCTION GOALS

No Change = GhG emission would increase 16% by 2035

Goal	Target					Sector
Interim	20%	below	2017	by	2028	LGO
Mid Term	40%	below	2017	by	2035	LGO & Community
Long Term	80%	below	2017	by	2050	LGO & Community

NEXT UP . . .



- Deployment of bins will be late spring/summer



- October 4-6, 2019 - New type of climate education event
- Involves Delray Beach arts and educational institutions and is a novel green branding opportunity

GIAB CURRENT AGENDA

- ▶ **Green City Operations**
- ▶ **Develop or Revise Green Building Ordinances**
- ▶ **Advance Climate Resilience**
- ▶ **Reduce Single Use Plastics Community-wide**
- ▶ **Brand a Green Civic Culture**

GIAB CURRENT AGENDA

Green City Operations

- ▶ Work with City administration to:
 - ▶ Eliminate single use plastics and polystyrene from all city operations (goal)
 - ▶ Modify vendor contracts for all special events to eliminate the use of single use plastics and polystyrene where practicable
 - ▶ Organize “green team” among city departments to reduce waste and improve recycling efforts

GIAB CURRENT AGENDA

Develop or revise green building ordinances

- ▶ Initiate a process to make all new city facilities meet green building standards. Lead by example!
- ▶ Develop green building standards with the development community
 - ▶ e.g. Require solar arrays or solar-ready construction
- ▶ Implement a green rating system by which new development would be evaluated

GIAB CURRENT AGENDA

Advance Climate Resilience

Support a Community Vulnerability Assessment

What

- A comprehensive assessment of how climate change can disrupt the City's economy and its citizen's quality of life.
- Unique 9-city micro-regional partnership funded by FDEP \$72,000 grant and assistance of the Harvard Law Clinic

Why

- #1 recommendation of the Rising Waters Task Force
- A Comprehensive Plan objective
- Seawall & Infrastructure Assessment is one facet of planning for a resilient community
- Uniformity of policy and cost savings

GIAB CURRENT AGENDA

Reduce Single Use Plastics Community-Wide

- ▶ Advance regulations regarding:
 - ▶ Plastic eating and drinking utensils
 - ▶ Polystyrene containers
 - ▶ Plastic bags
 - ▶ Smoking on all beaches -Cigarette filters are made from plastic
 - ▶ Helium balloons
 - ▶ Mylar confetti

GIAB CURRENT AGENDA

Brand a Green Civic Culture

- ▶ Establish formal communications with:
 - ▶ Chamber of Commerce
 - ▶ Delray Beach Advisory Boards
 - ▶ Green boards from other cities
- ▶ Organize and sponsor events that educate residents, businesses and visitors of our City's green commitments
- ▶ Leverage City webpage and social media outlets

Questions and Answers