

# Green Implementation Advancement Board Annual Update

## Board Members

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

April 9, 2019

# 2019 ACCOMPLISHMENTS

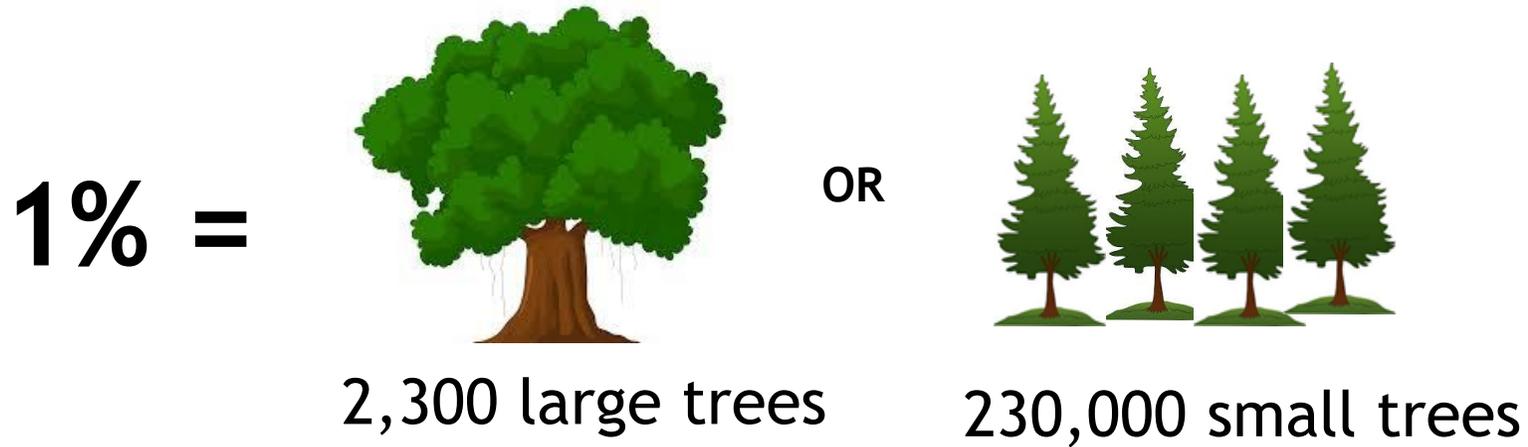
1. Plastic Straw Ban - Enacted January 2019
2. 2018 Green Works Newsletter - Published January 2019
3. Tree Canopy Assessment - Completed January 2019
4. Greenhouse Gas Emission Study - Completed February 2019
5. Textile Recycling - Approved April 2019

# 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%



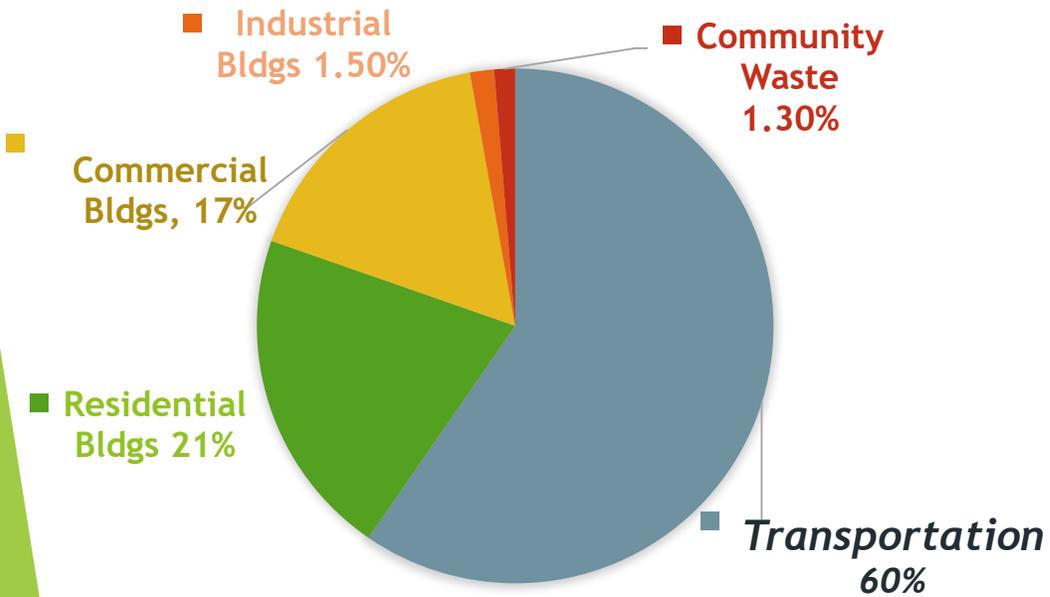
## GIAB Supports Report Recommendations :

- ▶ 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

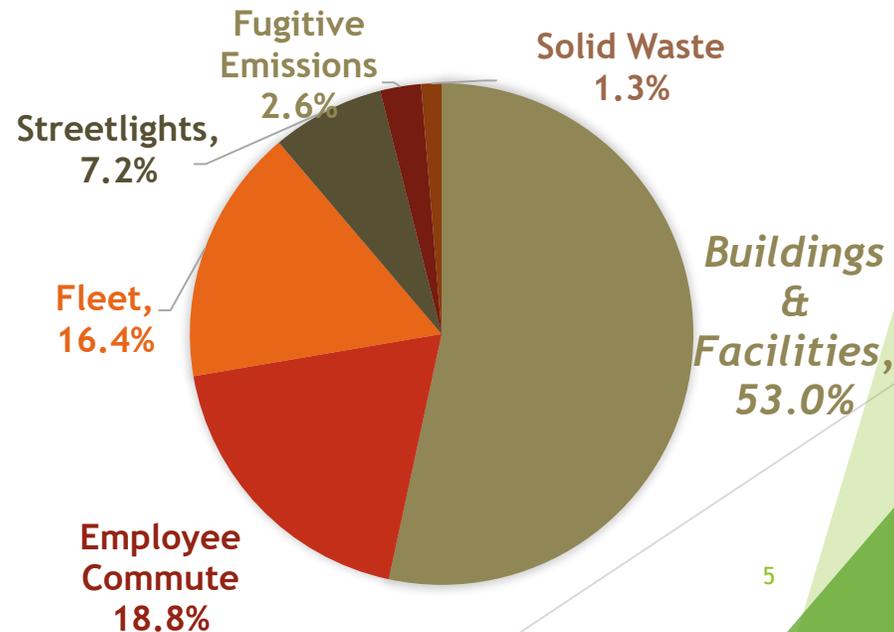
# GhG INVENTORY RESULTS

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

**Climate & ART**  
FESTIVAL • DELRAY BEACH

- ▶ 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