



December 19, 2022 Meeting Backup Materials

Contents:

- Presentation: *LEED for Cities* {Stefan Perritano, Sustainability Coordinator}



City of
Fort Lauderdale

Sustainability Advisory Board
**LEED For Cities
Update**

Presented by
Stefan Perritano

Date:
December 19, 2022



Contents

01

Overview of Categories and Projected Credits

- The 9 LEED for Cities Categories
- Projected Points

02

Exploration of Mined Information

- Environmental Data
- GHG Reports
- Demographic Migration Patterns

03

Projected Certification Level



The 9 Categories of LEED for Cities

1 INTEGRATIVE
PROCESS



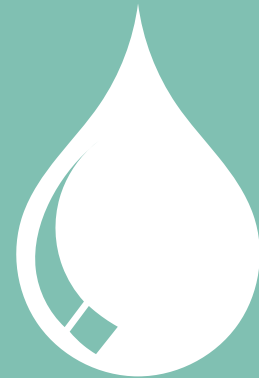
2 NATURAL SYSTEMS
& ECOLOGY



3 TRANSPORTATION



4 WATER
EFFICIENCY



5 ENERGY & GHG
EMISSIONS



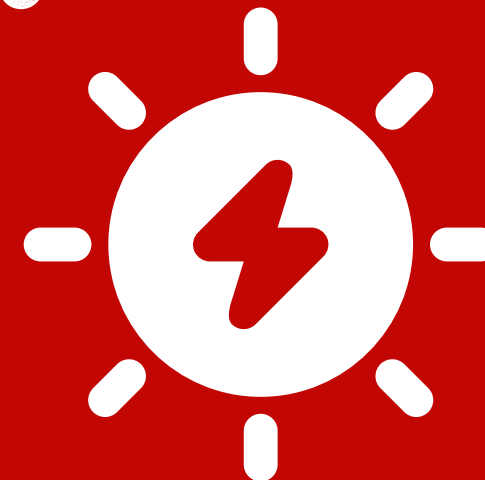
6 MATERIAL &
RESOURCES



7 QUALITY OF
LIFE



8 INNOVATION



9 REGIONAL
PRIORITY



1 INTEGRATIVE PROCESS



2 NATURAL SYSTEMS & ECOLOGY



3 TRANSPORTATION



INTEGRATIVE PROCESS

| | | |
|--------|--------------------------------------|--------------------|
| Credit | Integrative Planning and Leadership | IN PROGRESS |
| Credit | Green Building Policy and Incentives | IN PROGRESS |



NATURAL SYSTEMS AND ECOLOGY

| | | |
|--------|--|---------------------|
| Prereq | Ecosystem Assessment | COMPLETED |
| Credit | Green Spaces | COMPLETED |
| Credit | Natural Resources Conservation and Restoration | COMPLETED |
| Credit | Light Pollution Reduction | NOT PURSUING |
| Credit | Resilience Planning | COMPLETED |

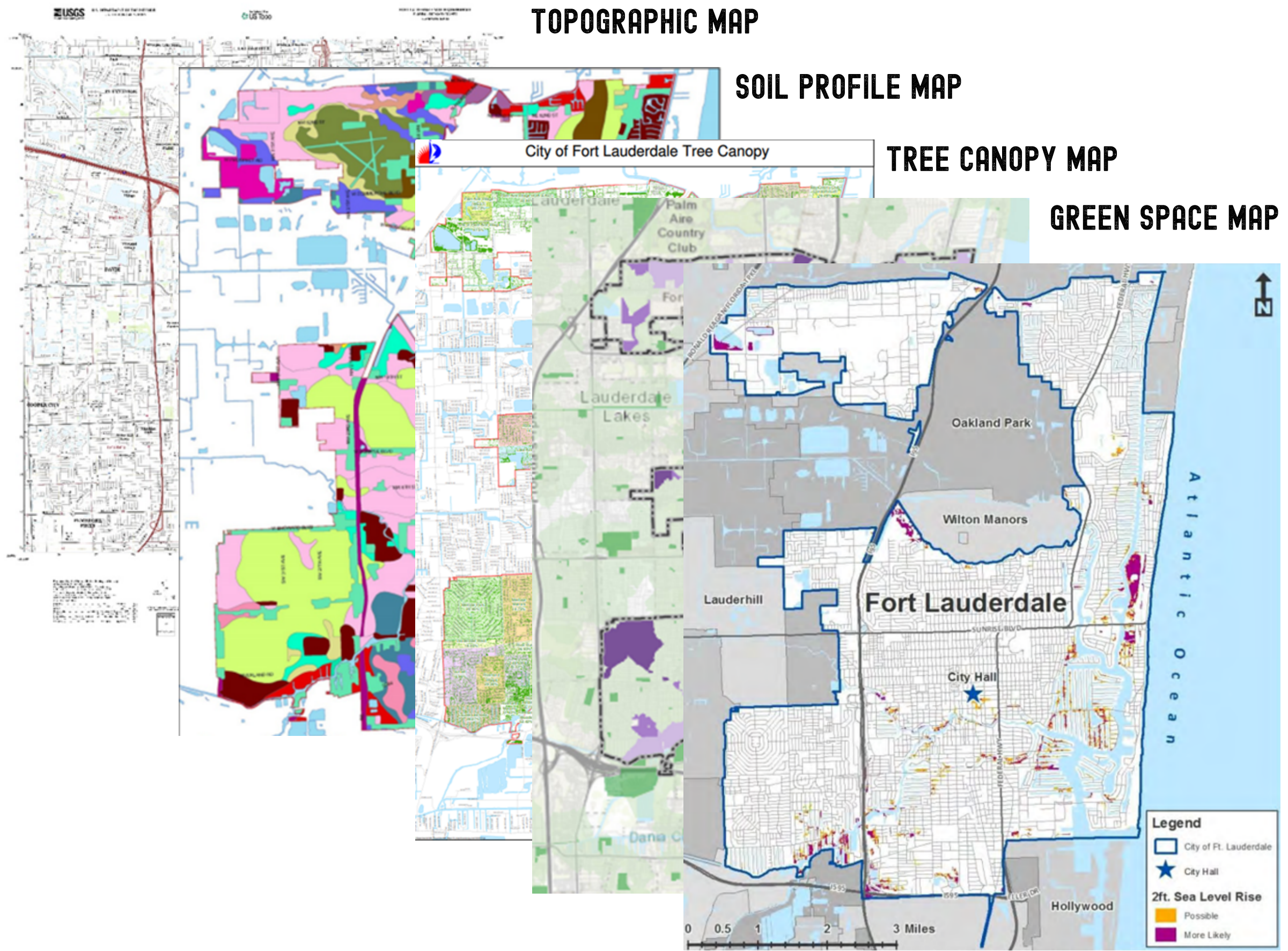


TRANSPORTATION AND LAND USE

| | | |
|--------|---|---------------------|
| Prereq | Transportation Performance | COMPLETED |
| Credit | Compact, Mixed Use and Transit Oriented Development | IN PROGRESS |
| Credit | Access to Quality Transit | COMPLETED |
| Credit | Alternative Fuel Vehicles | COMPLETED |
| Credit | Smart Mobility and Transportation Policy | NOT PURSUING |
| Credit | High-Priority Site | COMPLETED |



2 NATURAL SYSTEMS & ECOLOGY



% of total combined kilometers by mode



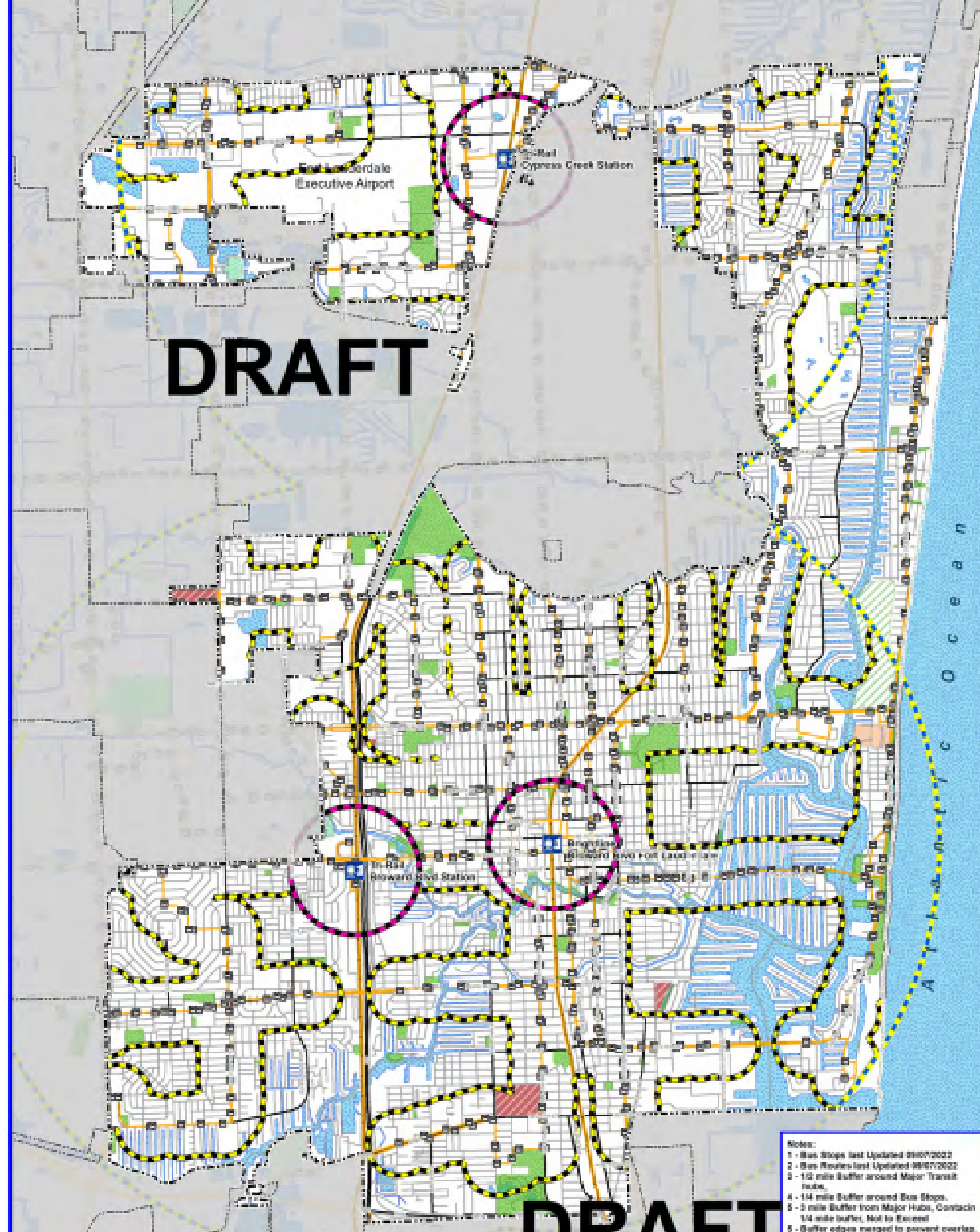
3 TRANSPORTATION



VMT = 11.75 MILES PER CAPITA PER DAY

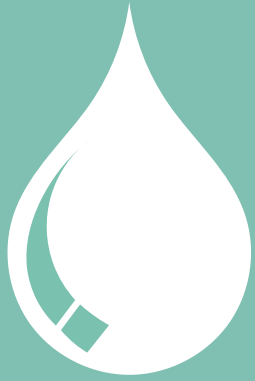
Yearly emissions:

| | | |
|------|---------|-------|
| 2018 | 687,000 | |
| 2019 | 655,000 | ↓ 5% |
| 2020 | 437,000 | ↓ 33% |
| 2021 | 587,000 | ↑ 34% |

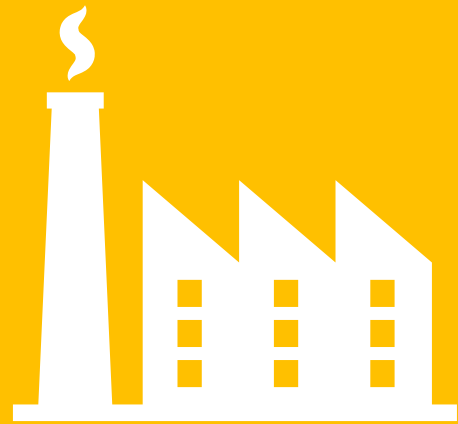


Notes:
 1 - Bus Stops last Updated 06/07/2022
 2 - Bus Routes last Updated 06/07/2022
 3 - 1/2 mile Buffer around Major Transit Hubs
 4 - 1/4 mile Buffer around Bus Stops
 5 - 5 mile Buffer from Major Hubs, Contact 1/4 mile buffer, Not to Exceed
 6 - Buffer edges merged to prevent overlap

4 WATER EFFICIENCY



5 ENERGY & GHG EMISSIONS



6 MATERIAL & RESOURCES



WATER EFFICIENCY

| | | |
|--------|-----------------------------|---------------------|
| Prereq | Water Access and Quality | COMPLETED |
| Prereq | Water Performance | COMPLETED |
| Credit | Integrated Water Management | NOT PURSUING |
| Credit | Stormwater Management | NOT PURSUING |
| Credit | Smart Water Systems | NOT PURSUING |



ENERGY AND GREENHOUSE GAS EMISSIONS

| | | |
|--------|--|---------------------|
| Prereq | Power Access, Reliability and Resiliency | COMPLETED |
| Prereq | Energy and Greenhouse Gas Emissions | COMPLETED |
| Credit | Energy Efficiency | NOT PURSUING |
| Credit | Renewable Energy | NOT PURSUING |
| Credit | Low Carbon Economy | IN PROGRESS |
| Credit | Grid Harmonization | COMPLETED |



MATERIALS AND RESOURCES

| | | |
|--------|---|---------------------|
| Prereq | Solid Waste Management | IN PROGRESS |
| Prereq | Waste Performance | IN PROGRESS |
| Credit | Special Waste Streams Management | NOT PURSUING |
| Credit | Responsible Sourcing for Infrastructure | NOT PURSUING |
| Credit | Material Recovery | NOT PURSUING |
| Credit | Smart Waste Management Systems | NOT PURSUING |

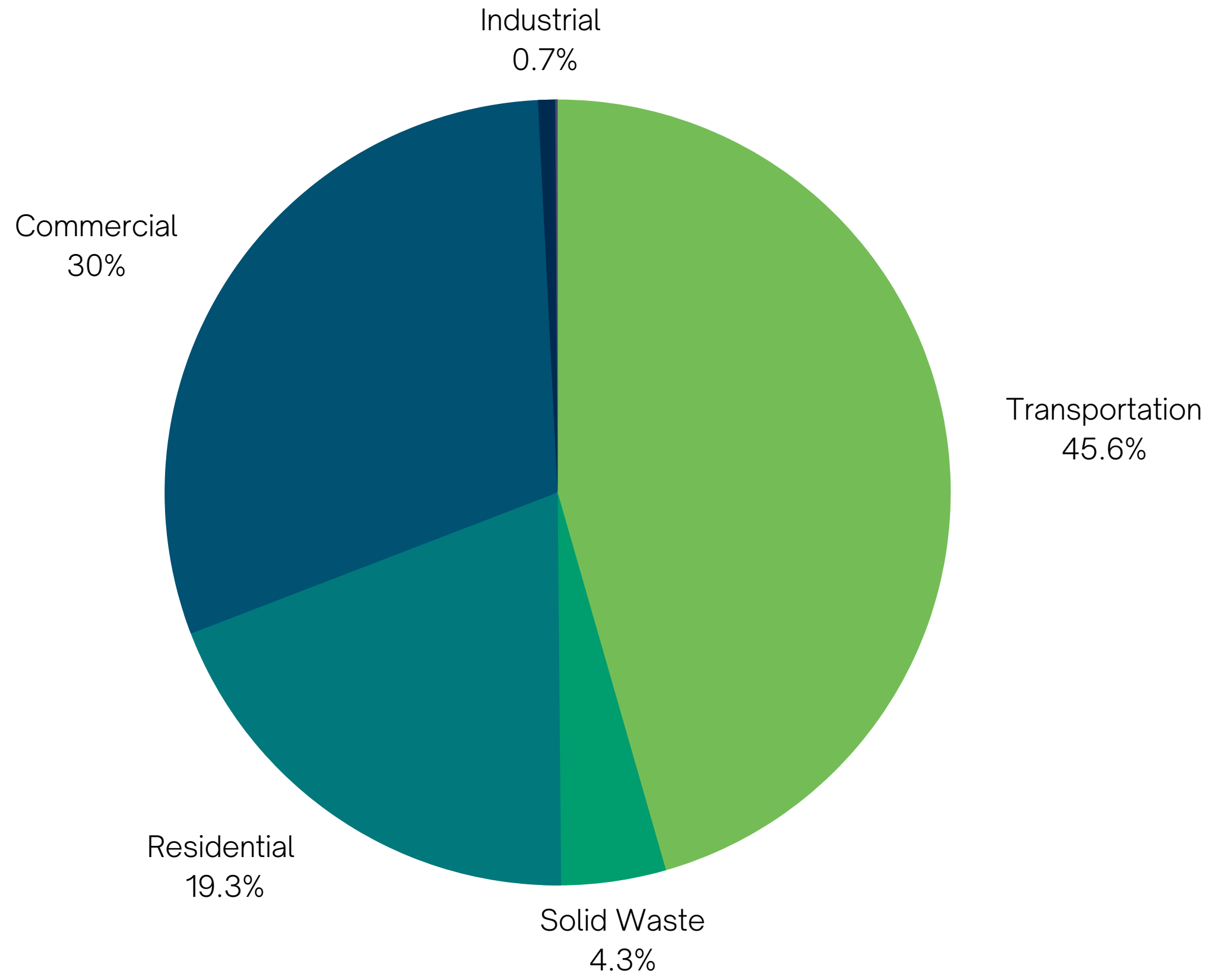




City of
Fort Lauderdale

2018 GHG EMISSION REPORT

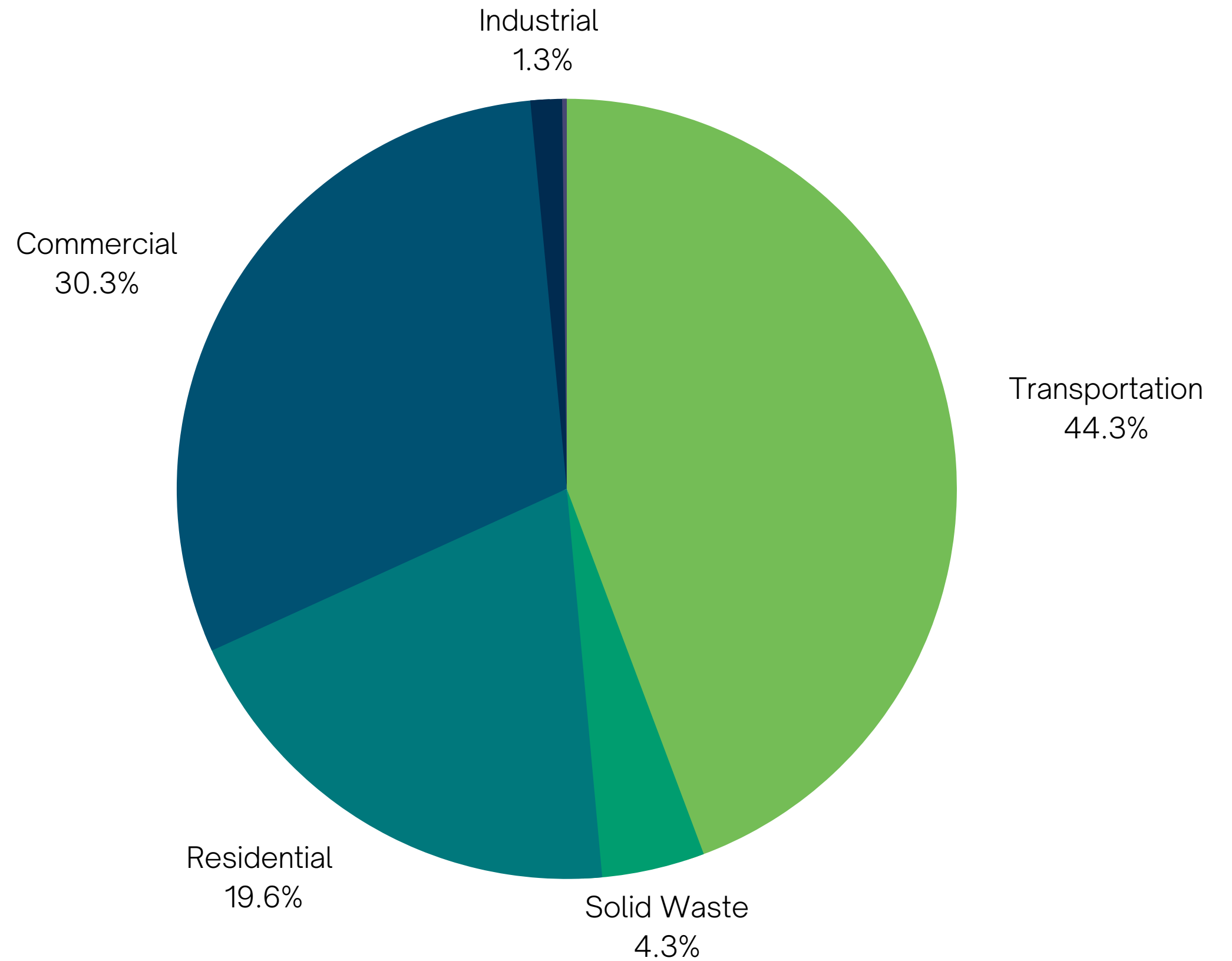
Preliminary





City of
Fort Lauderdale

2019 GHG EMISSION REPORT

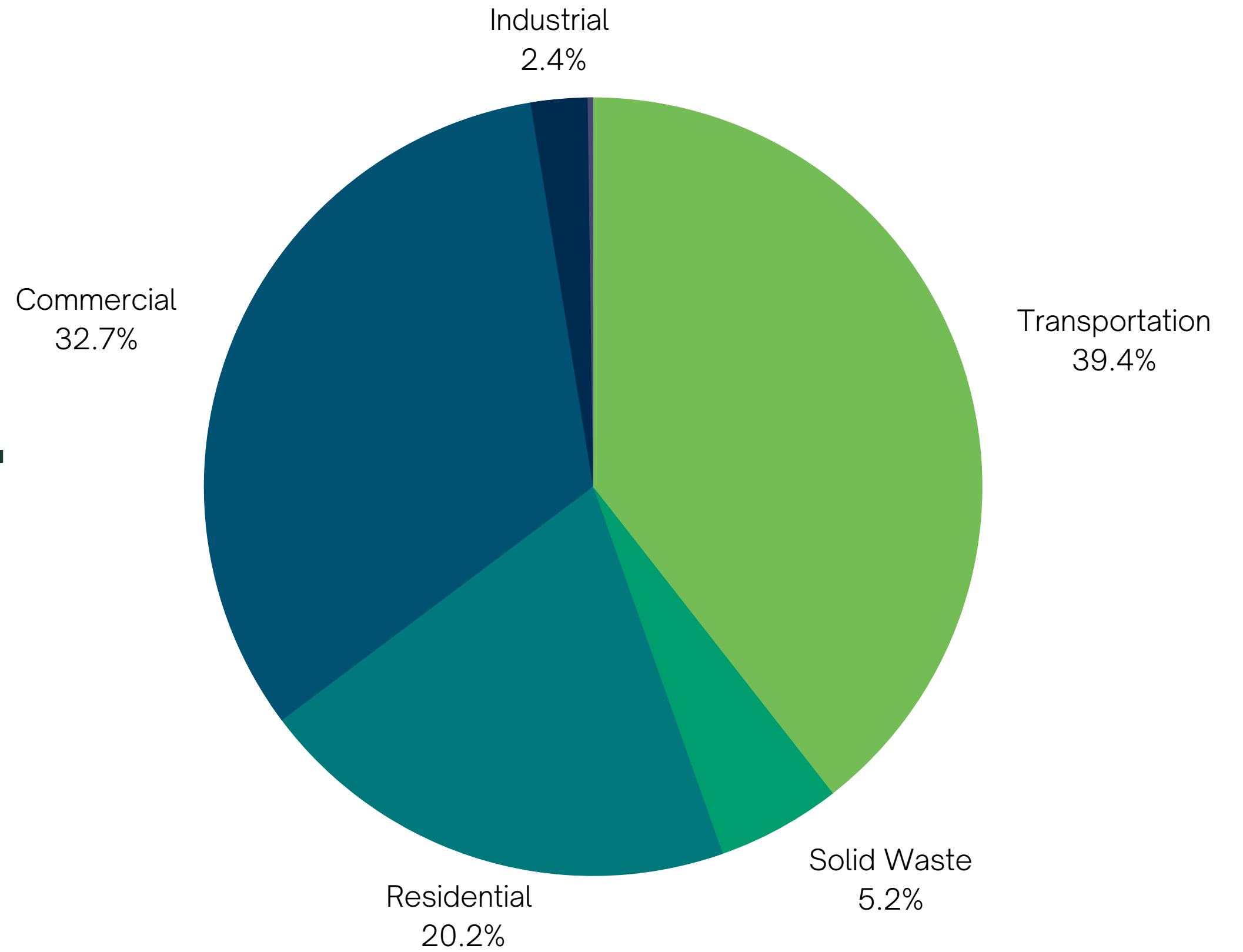




City of
Fort Lauderdale

2020 GHG EMISSION REPORT

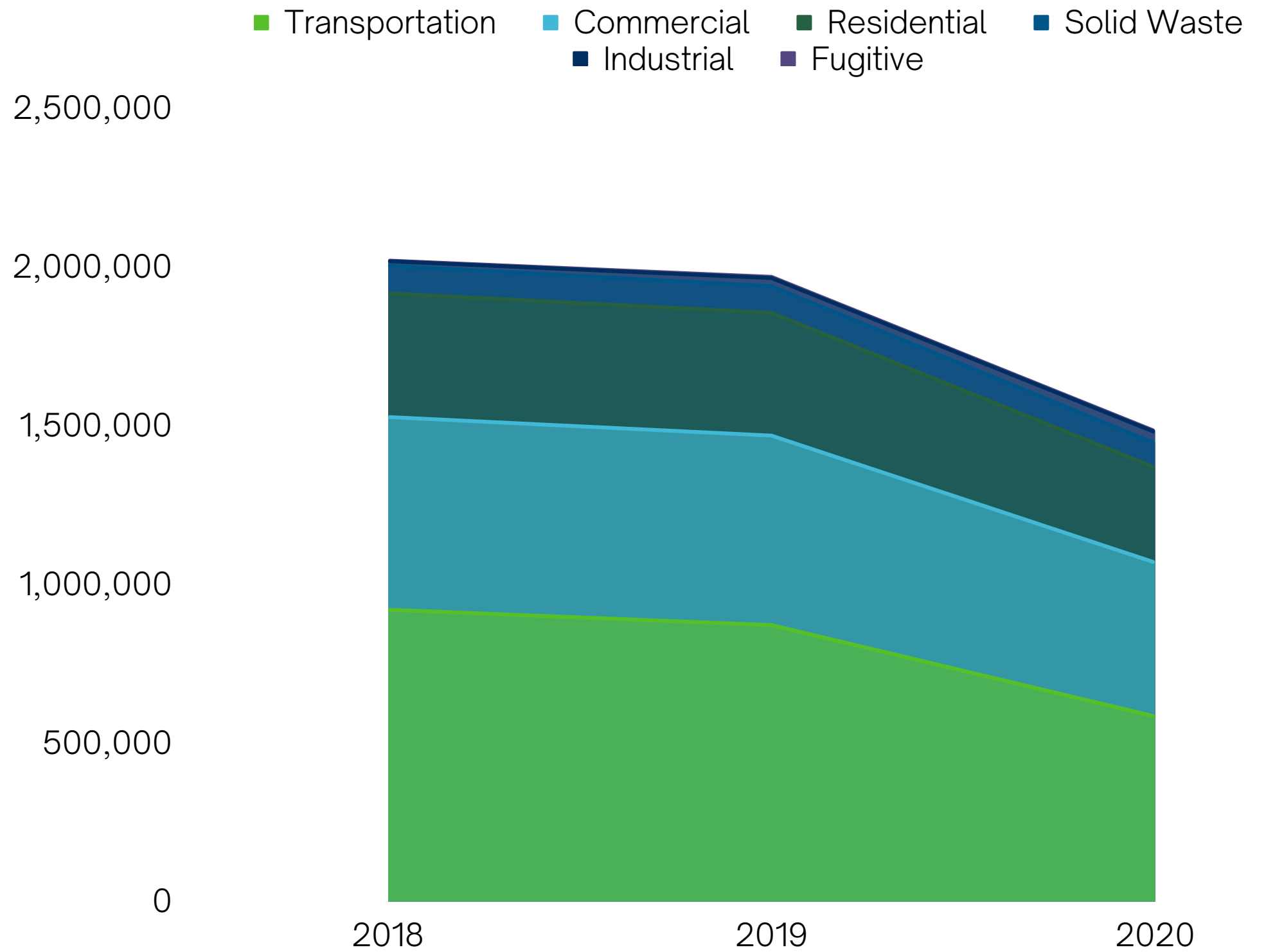
Preliminary





City of
Fort Lauderdale

2019-2021 GHG EMISSIONS TREND



7 QUALITY OF LIFE



8 INNOVATION



9 REGIONAL PRIORITY



QUALITY OF LIFE

| | | |
|--------|--|---------------------|
| Prereq | Demographic Assessment | COMPLETED |
| Prereq | Quality of Life Performance | COMPLETED |
| Credit | Trend Improvements | COMPLETED |
| Credit | Distributional Equity | NOT PURSUING |
| Credit | Environmental Justice | IN PROGRESS |
| Credit | Housing and Transportation Affordability | COMPLETED |
| Credit | Civic and Community Engagement | IN PROGRESS |
| Credit | Civil and Human Rights | IN PROGRESS |



INNOVATION

| | | |
|--------|--------------------------|--------------------|
| Credit | Trend Improvements | COMPLETED |
| Credit | Nature-Based Solutions | COMPLETED |
| Credit | Homelessness Support | COMPLETED |
| Credit | Climate Change Hardening | COMPLETED |
| Credit | Solsmart | COMPLETED |
| Credit | Urban Gardening | IN PROGRESS |

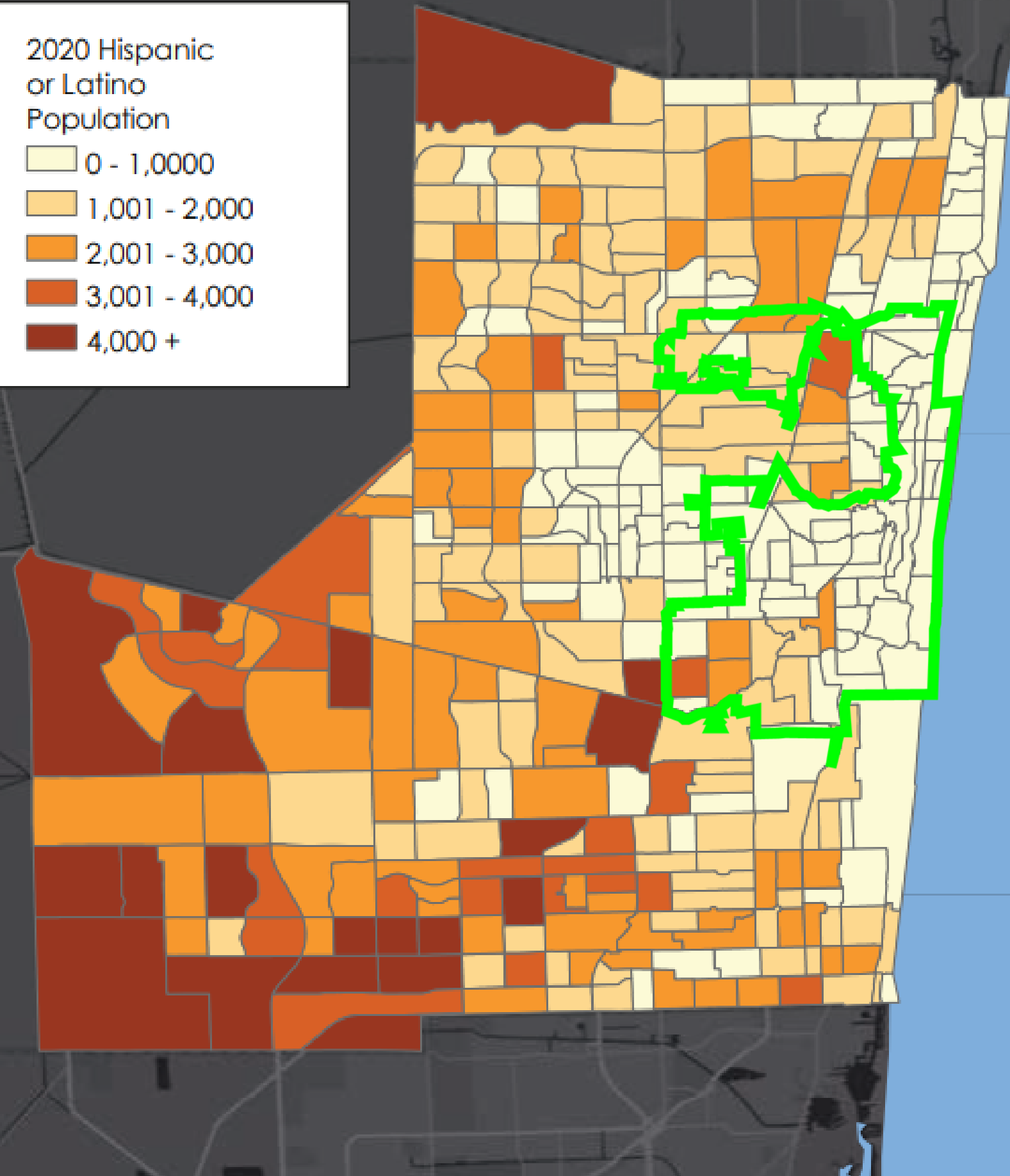
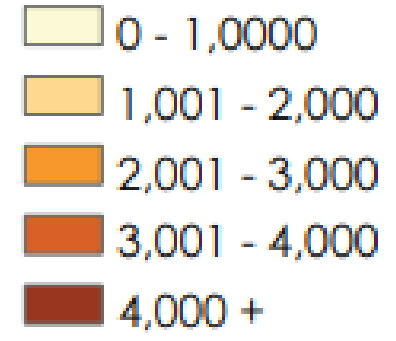


REGIONAL PRIORITY

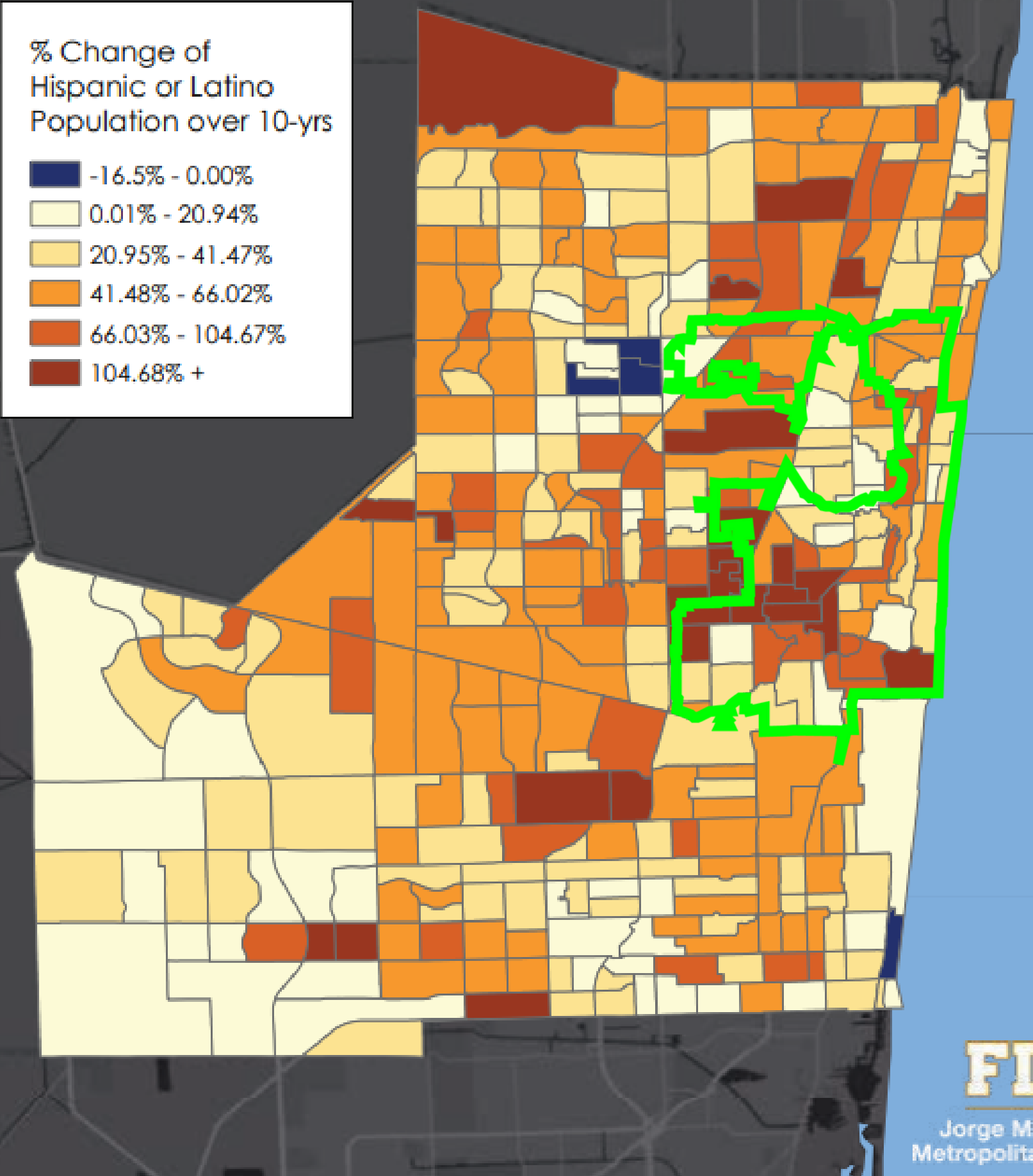
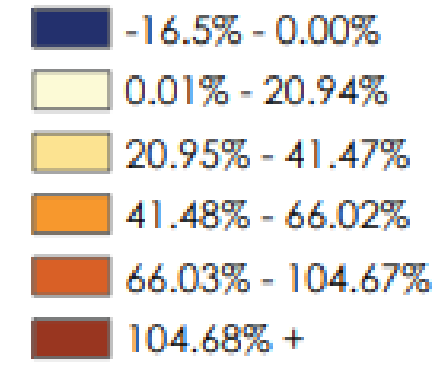
| | | |
|--------|-----------------------|--------------------|
| Credit | Sea Turtle Protection | IN PROGRESS |
| Credit | Florida CC | COMPLETED |
| Credit | Brightline | COMPLETED |
| Credit | C-51 | COMPLETED |



2020 Hispanic or Latino Population

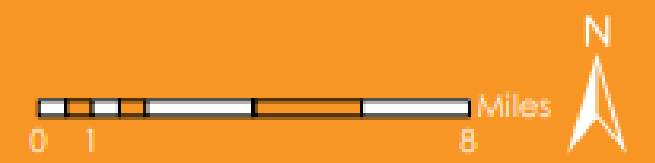


% Change of Hispanic or Latino Population over 10-yrs



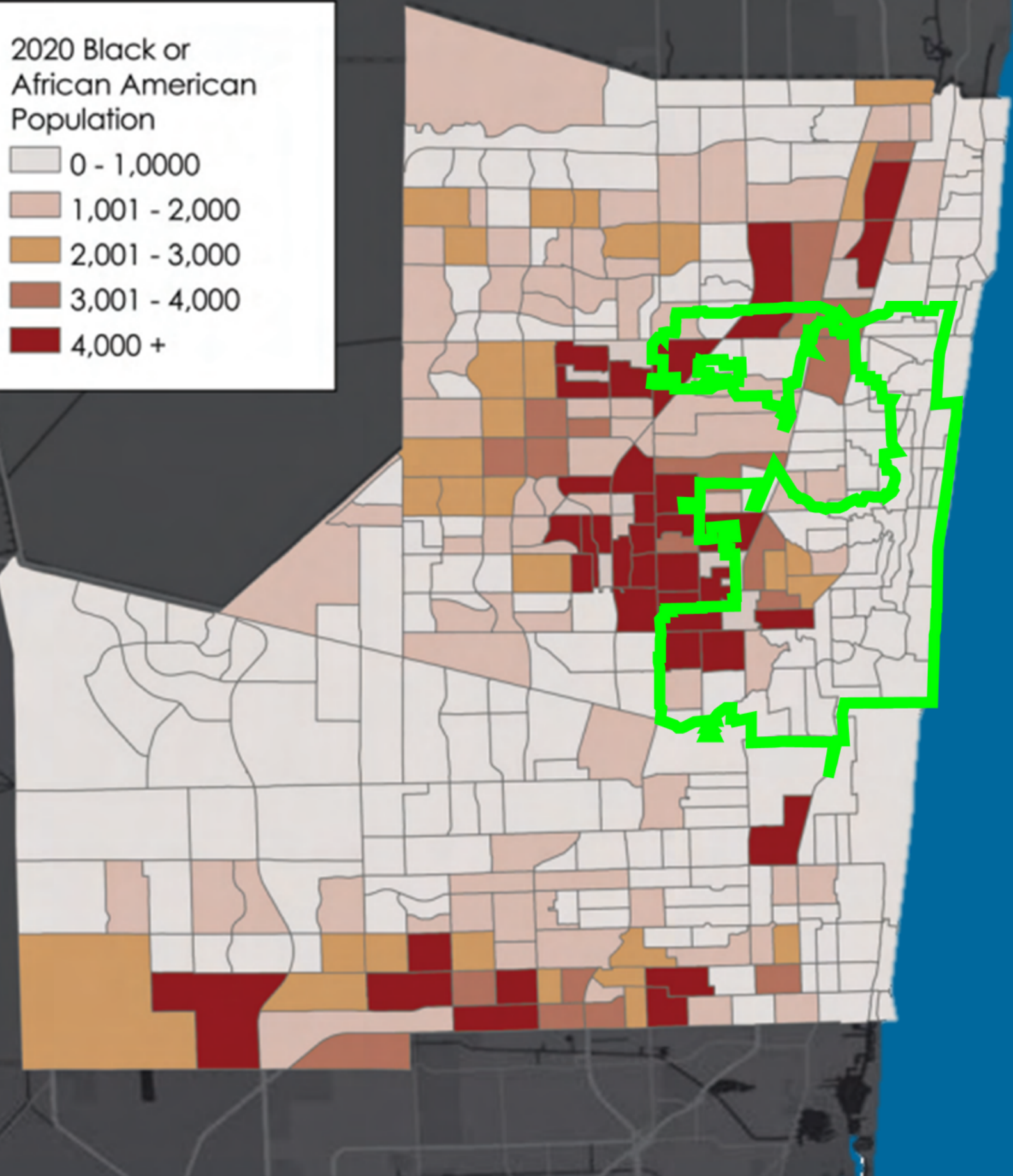
FIU

Jorge M. Pérez
Metropolitan Center



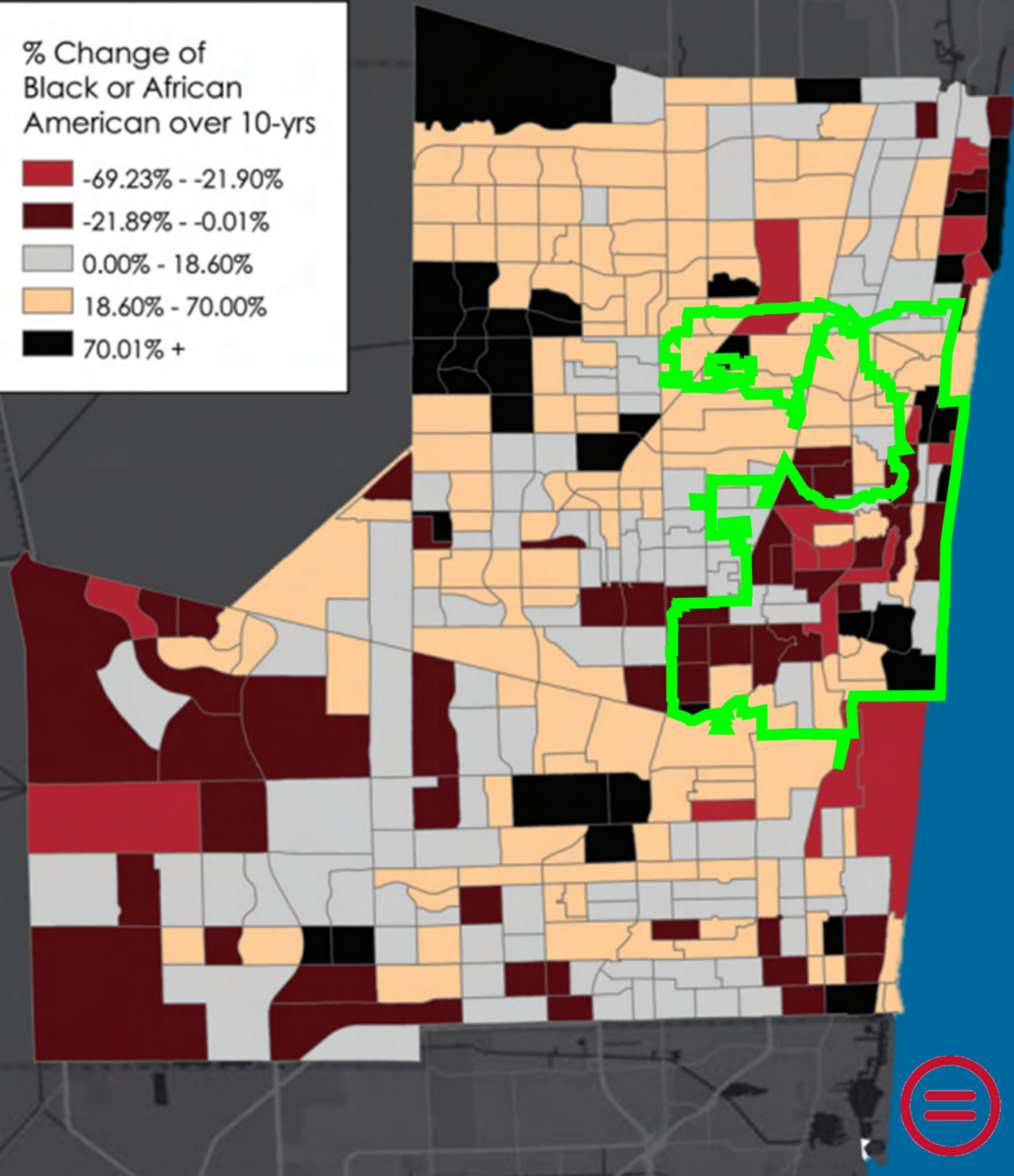
2020 Black or African American Population

- 0 - 1,000
- 1,001 - 2,000
- 2,001 - 3,000
- 3,001 - 4,000
- 4,000 +



% Change of Black or African American over 10-ys

- 69.23% - -21.90%
- 21.89% - -0.01%
- 0.00% - 18.60%
- 18.60% - 70.00%
- 70.01% +



Urban League of Broward County



Covid and Academic Attainment

Table 4.3: Broward County FSA English Language Arts Passing Rate, 3rd Grade

| Year | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 21 |
|----------|-------|-------|-------|-------|-------|-------|
| White | 70.3% | 71.5% | 75.3% | 75.2% | 75.5% | 70.5% |
| Hispanic | 54.9% | 56.5% | 58.8% | 60.7% | 63.1% | 56.5% |
| Black | 36.4% | 40.8% | 43.9% | 46.6% | 46.4% | 39.7% |

Source: Florida Department of Education

Table 4.4: Broward County FSA English Language Arts Passing Rate, 10th Grade

| Year | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 21 |
|----------|-------|-------|-------|-------|-------|-------|
| White | 69.9% | 67.8% | 70.1% | 69.1% | 70.5% | 66.1% |
| Hispanic | 56.1% | 53.6% | 54.9% | 57.5% | 56.6% | 54.9% |
| Black | 34.0% | 34.2% | 37.4% | 39.6% | 38.4% | 39.3% |

Source: Florida Department of Education

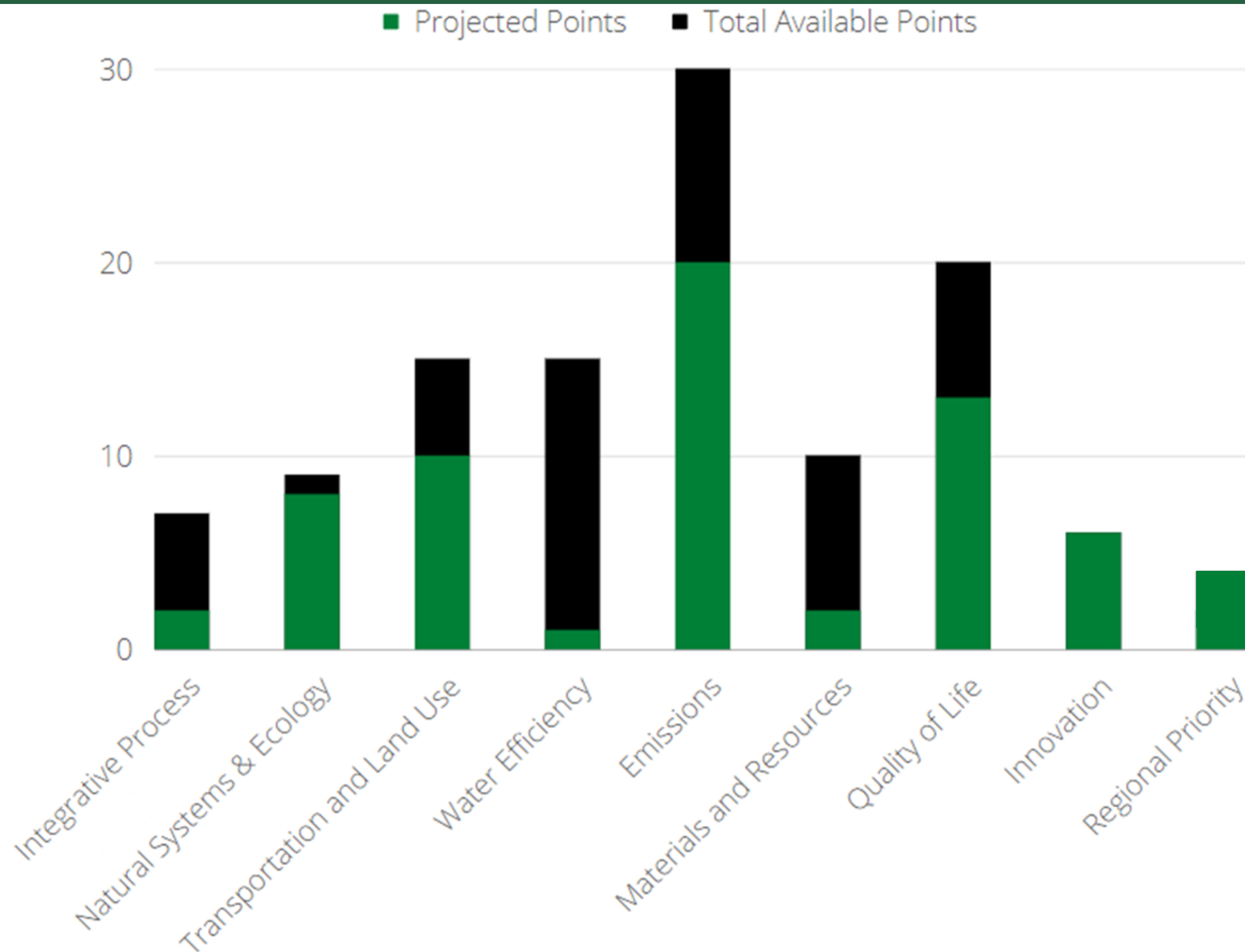
Table 4.5: Broward County FSA Math Passing Rate, 3rd Grade

| Year | FY 15 | FY 16 | FY 17 | FY 18 | FY 19 | FY 21 |
|----------|-------|-------|-------|-------|-------|-------|
| White | 73.8% | 74.5% | 74.2% | 76.5% | 77.2% | 60.7% |
| Hispanic | 61.6% | 63.5% | 63.1% | 64.7% | 68.0% | 45.3% |
| Black | 43.3% | 49.1% | 49.8% | 51.8% | 54.7% | 27.4% |

Source: Florida Department of Education



LEED FOR CITIES REPORT CARD



We are projecting Fort Lauderdale to receive 65 points out of a total of 110, qualifying the City for LEED Gold Certification.