



Geosyntec
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Solid Waste Collection Issues in the Post Pandemic World



SWANA FL Winter
Conference



February 21, 2022

- Senior Consultant, Advisory Practice
- Advises on Solid Waste, Recycling and Utility Systems on Financial, Planning, Contract and Engineering Services
- Life Member, SWANA
- MSW Legacy Award Winner
- Written More than 200 SW Articles

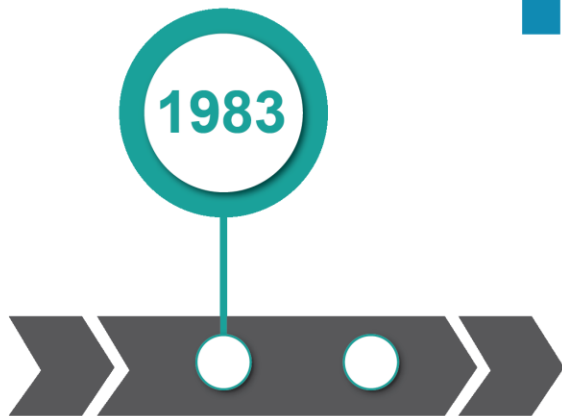
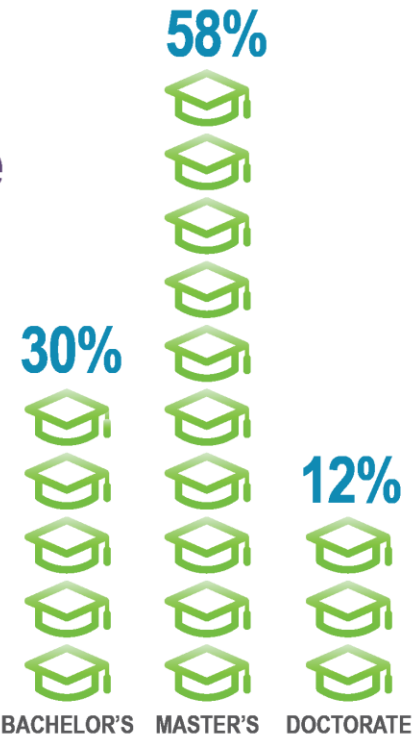




100%
Employee
Owned



Over
\$390 million
in revenue



SAFETY
EMR 0.75 Industry Average 1.0



CITY OF LAKELAND SOLID WASTE OPERATIONS

Gene Ginn
Solid Waste & Recycling Manager
gene.ginn@lakelandgov.net

OPERATIONS BY THE NUMBERS:

Staff:

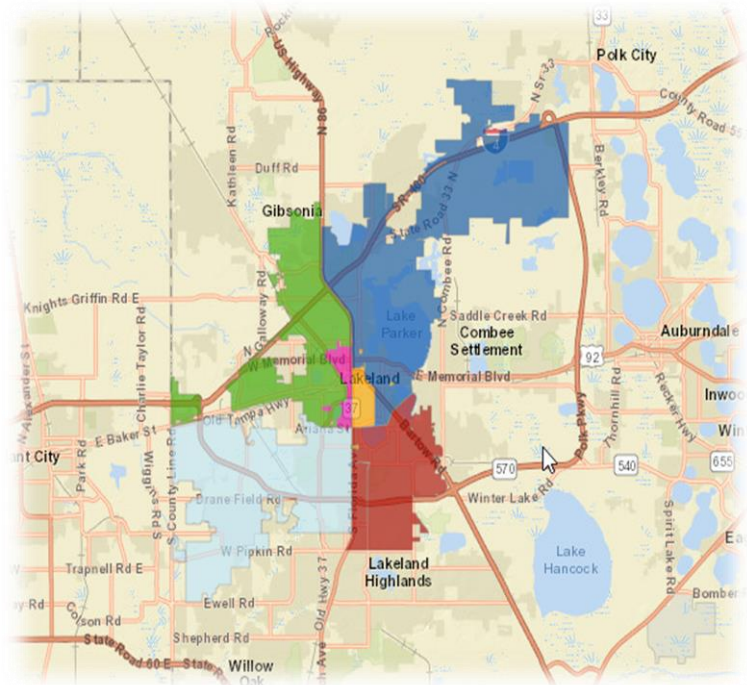
- ***56 Driving & Collection Staff***
- ***4 Office Staff 3 CSR & 1 Accounting***
- ***1 Outreach & Education Coordinator***
- ***4 Operations Program Supervisors***
- ***1 Division Manager***



BY THE NUMBERS (CONT.)

POPULATION 2022

- 117,281
- 1.85% 1-YEAR GROWTH
- 66.1 sq. mi





Customers Served:
Residential Garbage carts in service – 37,344
Residential Recycling carts in service – 35,986
Commercial Front Loader Locations – 4,856

Challenges:

- ***Staffing Levels***
- ***Truck & Parts Availability***
- ***Escalating Expenses***



Sustainable Solid Waste System

Vision

Long-term, sustainable, and financially responsible integrated solid waste management

- Protect public health, safety and the environment
- Environmental stewardship to residents and stakeholders
- Ensure system capacity is available for growth
- Seek out, evaluate, and implement innovative methods to improve collection, materials management, and customer service

Population:

- Division serves approximately 300,000 households in unincorporated areas of the county & portions of the City of Tampa
- Approximately 1.5 million residents inclusive of the City of Tampa, Temple Terrace, Plant City, and unincorporated county

Solid Waste Programs:

- 2-1-1 Curbside collection performed by 3 contracted waste haulers
- Automated single-stream recycling started in Oct. 2013
- HHW collection events on Saturdays at rotating locations throughout the county

Our Team:

- 170 Employees –Transfer Stations, Customer Service, Contract Management
- Enterprise fund

Overview of Solid Waste System

- Collection
 - 3 Franchise Collectors
 - 2 Transfer Facilities
 - 5 Community Collection Centers – bulky waste, paint, and electronics
- Disposal and Recycling
 - Resource Recovery Facility (RRF) – *Covanta*
 - Southeast Landfill – *Waste Management*
 - 3 Yard Waste Processing Facilities
 - 3 Household Hazardous Waste – *US Ecology*



REPUBLIC
SERVICES

We'll handle it from here.™

Mary Boyer, Municipal Manager

Mary has over 4 years' experience in the solid waste industry. She is responsible for earning and maintaining contracts with our municipal partners throughout Central Florida Markets. Additional responsibilities include marketing, public education, project development, governmental relations and negotiations.

Republic Services at a Glance

Republic Services is an industry leader in the non-hazardous solid waste industry with revenues more than \$10 billion and over 36,000 dedicated employees.

Republic Services responsibly operates

- 340 collection operations;
- 212 transfer stations;
- 189 active solid waste landfills; and
- 79 recycling centers across 41 states.

We also have 75 landfill gas and renewable energy projects and are adding new facilities every year.

With more than 16,000 vehicles, Republic Services deploys the 8th largest vocational fleet in the U.S. to collect approximately 100 million tons of waste and over 6M tons of recyclables.



National Recognition



Sustainability Yearbook
Member 2021
S&P Global



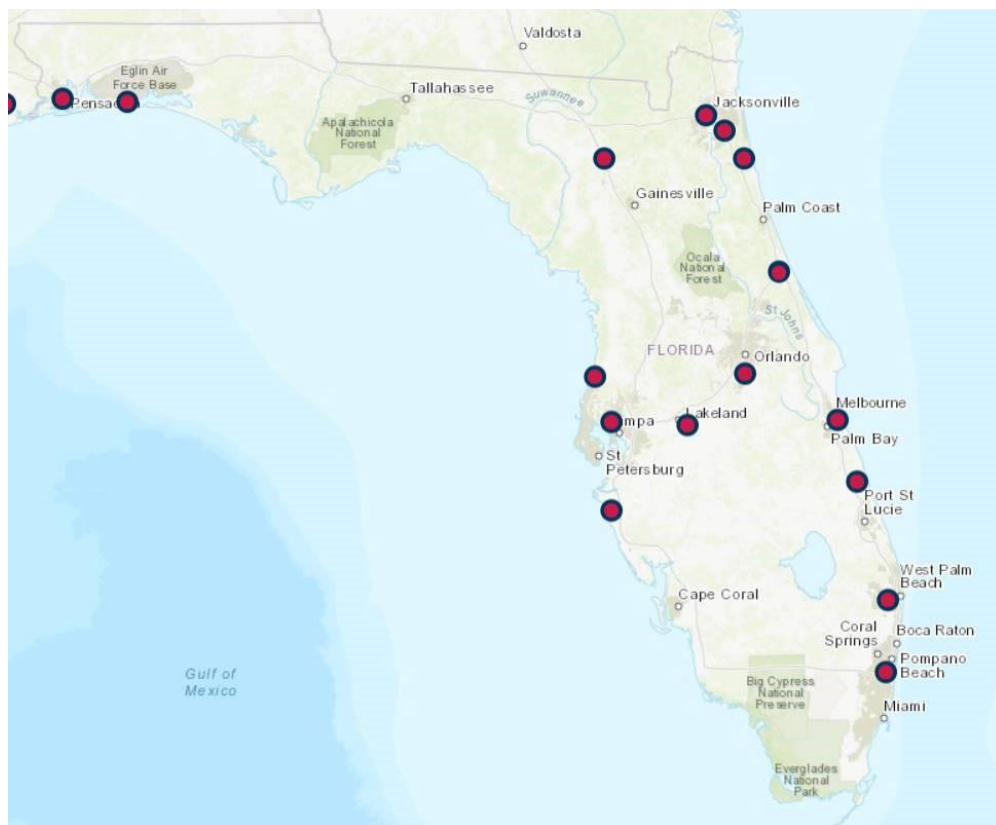
MEMBER OF
Dow Jones
Sustainability Indices
In collaboration with SAM



Personnel and Equipment Resources

Florida

- 794 Trucks
- 1,353 Employees





Please talk about your current collection services situation

How have you tried to address staffing and overall collection issues?

Are there problems with repair and equipment purchases?

What are you working on to be more efficient?

Talk about ways to improve the customer experience? 311 Citizen Software?

What kind of training and safety programs do you have?

What about automation and electrification?

Where do you see recycling and collection services in the next five years??