



Fort Lauderdale Council of Civic Associations

WM Residential Collection Services

Andres Limones Cruz
Government Affairs Manager

June 13, 2023





WM: Service Excellence and Sustainability Focus for the City of Fort Lauderdale, Now and in the Future

- **Founded by Wayne Huizinga in 1962.** Today WM is North America's leader in sustainability and environmental Solutions.
- **Resources, equipment, and personnel ready to go,** primed to offer excellence in service to Fort Lauderdale on July 31st and for years to come!



But don't take our word for it...

Ethisphere
2021 **World's
Most Ethical**
Companies

3BL Media
2021
**100 Best
Corporate
Citizens**

**Dow Jones
Sustainability
Indices 2021**
Category
Leader

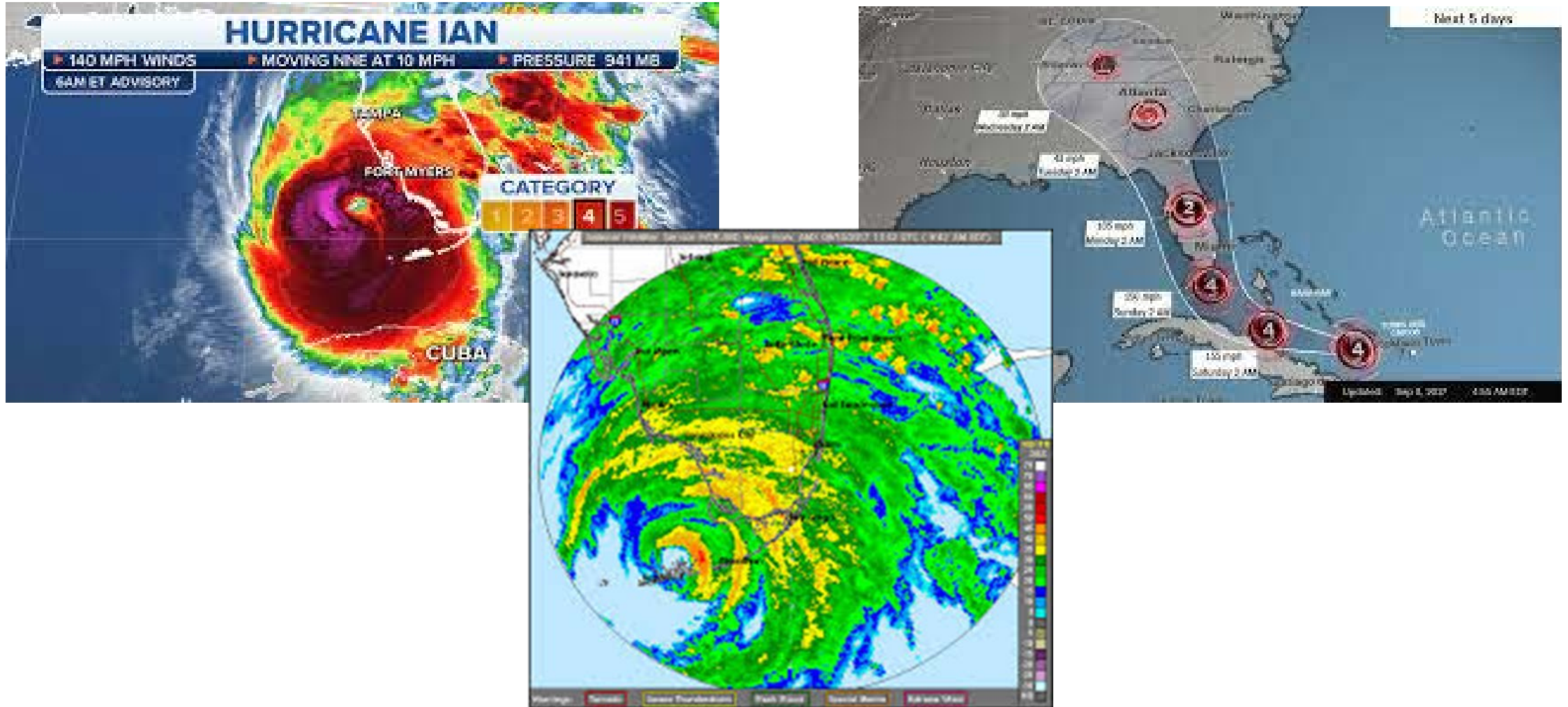
Fortune 2022
**World's Most
Admired**
Companies

Ecovadis
2021
**Certified
"Silver"
Supplier**

**America's
Most
Responsible**
Companies
Newsweek
2021

Barron's 2021
**100 Most
Sustainable**
Companies

WM Local Company with National Resources



WM Broward and Surrounding Counties

- **Broward:** 202 trucks, 1 Yard, 5 facilities, over 300 employees
- **Miami-Dade:** 210 trucks, 1 Yard, 6 facilities, over 500 employees
- **Palm Beach:** 170 trucks, 1 Yard, 5 facilities, over 300 employees
- **Tri-County Area:** 582 trucks, over 1,100 employees
- **Florida Market Area:** 5,000 employees, 32 hauling facilities, 18 active landfills, 24 transfer stations, 3 MRFs, 6 C&D recycling facilities



WM Southern Sanitation Hauling, Pompano Beach, FL



WM Professional Team for Fort Lauderdale

- Tom Ridder, Senior District Manager
- Jean Desilus, District Manager
- Herb Hutchinson, Operations Manager
- Jermaine Preal, Fort Lauderdale Residential Route Manager
- Cliann Smith, Fort Lauderdale Operations Specialists Manager
- Ashely McCall, Fort Lauderdale Customer Service Operations Liaison
- Tatiana Joseph, Fort Lauderdale Customer Service Operations Liaison
- Andres Limones Cruz, Fort Lauderdale Government Affairs Manager



WM Southern Sanitation senior management team

Home Waste Service in Fort Lauderdale, FL

The City of Fort Lauderdale has partnered with WM to provide residential waste service that sets the standard for sustainable trash disposal and recycling.

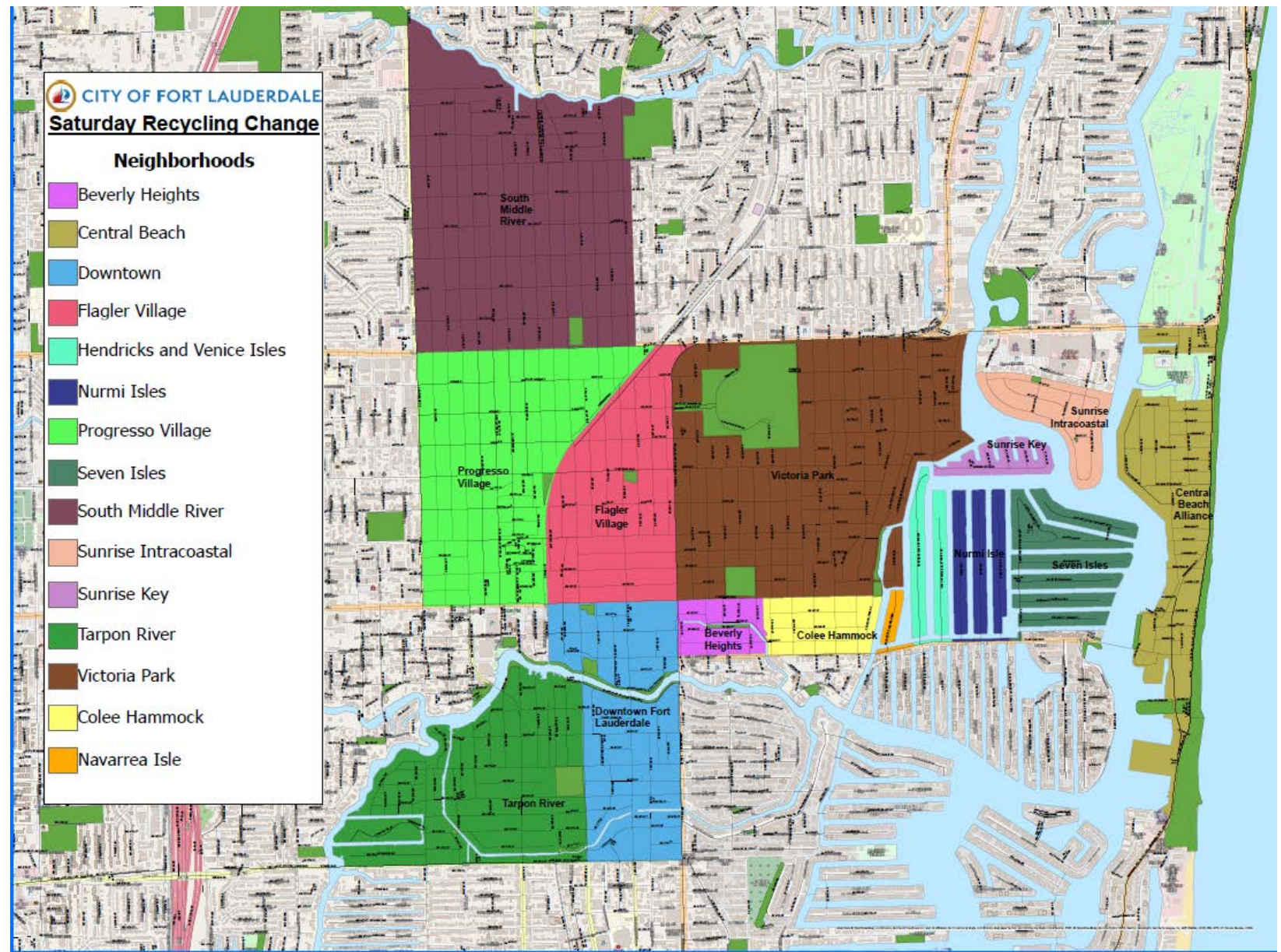




Curbside Collection Day Change

WM begins Residential Collection Service in Fort Lauderdale the **week of Monday, July 31.**

Your **RECYCLING** collection day is changing to **Saturday.**



2030 Goals: WM stakes out a leadership position in five sustainable impact areas

1 Safety

WM's Safety Culture

Reduce Total Recordable Incident Rate (**TRIR**) by **3%** annually, targeting **2.0** by 2030; and continued focus on **prevention** of **serious injuries**

2 Circularity

Expand WM's Circularity Solutions

Increase WM's recovery of materials by 60% to **25 million tons** by 2030, including an interim milestone of a **25%** increase by 2025

3 Climate Impact

Reduce WM's Climate Impact

Reduce absolute Scope 1 and Scope 2 GHG emissions by 50% through 2032 (Science-based target)

4 Social Impact

2% for Social Good

Positively impact **10 million** people in our communities through targeted social impact programs by 2030, using equivalent of **2%** of our **net income**

5 Inclusion, Equity & Diversity

Increase the overall representation of **women** to at least **25%** by 2030

Increase the representation of **racial/ethnic minority** employees in Manager and above roles to at least **30%** by 2030

Circularity

WM has recycled more than 15 million tons of material in 2021.

By recycling materials, we help to avoid GHG emissions by preventing the mining and manufacture of products from virgin materials. Therefore, the more we can recycle, the more materials we can keep in the circular economy and the more emissions we can avoid. An important factor that affects how much we can process and recycle is contamination, or unacceptable items being mixed in with recyclables. WM aims to reduce inbound recycling contamination to 10% by 2025. We are reducing contamination through both technology solutions and educating consumers on what items can—and can't—be recycled.

Key Performance Indicators

TOTAL RECYCLABLES MANAGED (tons)

2018	15,161,672
2019	15,510,697
2020	15,030,654
2021	15,337,456

INBOUND RECYCLING CONTAMINATION

2018	18%
2019	17%
2020	16%
2021	16%

RECYCLED MATERIALS IN 2021 (tons)



Paper
7,780,337



Mixed organics
3,919,198



Metal
417,452



C&D/wood
1,226,043



Fly ash
884,281



E-waste/lamps
3,567



Glass
584,756



Plastic
516,717



Other
5,105

Total materials recycled: **15,337,456** tons



- LDPE: **46%**
- PET: **27%**
- HDPE: **17%**
- Mixed Plastics: **3%**
- PP #5: **3%**

LDPE—low-density polyethylene
PET—polyethylene terephthalate
HDPE—high-density polyethylene
PP—polypropylene

Shaping Recycling Markets

WM's recent investments are helping to **shape the future of recycling markets** and **create capacity** for increased purchase of material

\$1.3B Capital Investment

WM invested >\$275 million in recycling infrastructure in 2022 and announced another \$525 million of investments planned for 2023-2025 for a projected total of more than \$1.3 billion in investments and planned investments from 2018 to 2025.

Strategic Alliances



WM has worked with Continuus, Dow, Nat, PCR, & Repreve to create new outlets for materials

Did you know? Responding to concerns about plastic in the environment, WM became the first recycling company to stop shipping plastic containers on its residential recycling routes and processed at its single stream facility outside of North America.

An Unprecedented Investment in Infrastructure

WM invested >\$275 million in recycling infrastructure in 2022, bringing our total investment to over \$800 million since 20

By 2025, WM expects that 95% of the volume flowing through our residential single stream MRFs will be processed with state-of-the-art processing technology. These facilities are designed with the changing waste stream in mind. While older MRFs were built to primarily process paper grades, newer facilities are made to accommodate increasing volumes of plastic. Here are a few of the cutting-edge technologies at work at many of our MRFs across the country.



Optical Sorters

Optical sorters analyze materials moving along a conveyor belt, then use a stream of air to remove recyclable items at a rate of up to 600 pieces per minute.



Robotics

Robotics provide quality control, picking out additional materials that optical sorters may miss.



Intelligent Sorting

Intelligent sorting enables communication between all pieces of equipment in a MRF, which helps improve material quality and eliminate downtime.



Volumetric Scanners

Volumetric scanners evaluate how much material is distributed throughout a facility and adjust to prevent a system from being overloaded.



Cameras

Cameras identify contamination as soon as materials land on a MRF's tipping floor, allowing us to quickly notify customers of any issues and remove the offending materials.



Fire Suppression Technology

Fire suppression technology detects fire or smoke and provides results from sensors that some materials are flammable. If detected, the recycling system can shut down, and, if necessary, deploy a fire cannon to extinguish flames.



WM Recycling South Florida

- The new \$75 Million facility, WM Recycling South Florida, will be the largest and most technologically advanced MRF in the Southeastern United States.
- Processing up to 60 tons per hour
- Capturing 95% of recyclable material as compared to 80-85% in the current facility
- Recycling more types of plastics to benefit the environment



BUILDING MARKETS FOR RECYCLED
MATERIALS

For Tomorrow®: WM + Continuous

EVERBOARD®* roofing material is made with paper and plastic that can't typically be recycled. Before such waste goes to a landfill, WM trucks stop at a Continuous facility (where available) where 500,000 pounds of tough-to-recycle materials are removed and processed. Once compressed and finished, it becomes EVERBOARD® roofing material.

Continuous produces over 7 million square feet of EVERBOARD® roofing material a year and reduces the amount of trash going to landfill by 30%.

* EVERBOARD® is a registered trademark of Continuous.



BUILDING MARKETS FOR RECYCLED
MATERIALS

For Tomorrow®: WM + Repreve

REPREVE®* fiber, a product of Unifi, Inc. has become an important end market for plastic bottles, which the company transforms into sustainable polyester using its REPREVEsm process. Repreve sources bottles from WM's MRFs, which are then delivered to their bottle processing facility in North Carolina where they chop, wash, and melt the bottles and transform them into flake and then chip. Finally, the chip is heated, extruded, and spun into a variety of high-quality and versatile fibers.

* REPREVE® is a registered trademark of Unifi.





Thank you!

We look forward to being
your service provider.

Questions?

