

The Future of Solid Waste Management in Miami-Dade County



DSWM MISSION STATEMENT

PROVIDING OUR CUSTOMERS WITH EXCEPTIONAL WASTE COLLECTION, RECYCLING, DISPOSAL AND MOSQUITO CONTROL SERVICES THAT PROTECT, PRESERVE AND IMPROVE OUR ENVIRONMENT AND THE QUALITY OF LIFE IN OUR COMMUNITY.



DEPARTMENT HIGHLIGHTS

- An integrated waste management system that provides collection, transfer and disposal services to include two landfills
- One of the largest publicly operated solid waste collection and disposal system in the southeastern United States
- Provides waste collection services to more than 350,000 households in a 320-square-mile waste collection service area
- Disposal system manages more than 2 million tons of waste annually
- Countywide mosquito control services include mosquito trap monitoring, inspections and treatment to prevent breeding and to reduce adult mosquito populations that can potentially transmit disease



Services We Provide

- Garbage Collection
- Recycling Collection
- Bulky Waste Pickups
- Disposal Facility Operations
 - 13 Trash and Recycling Centers
 - 2 Landfills, 1 Ashfill
 - 2 Closed Landfills
 - 2 Home Chemical Collection Centers
- Solid Waste Code Enforcement
- Countywide Mosquito Control



Municipalities We Service

Curbside Garbage and Recycling Services (Ord. 96-30)

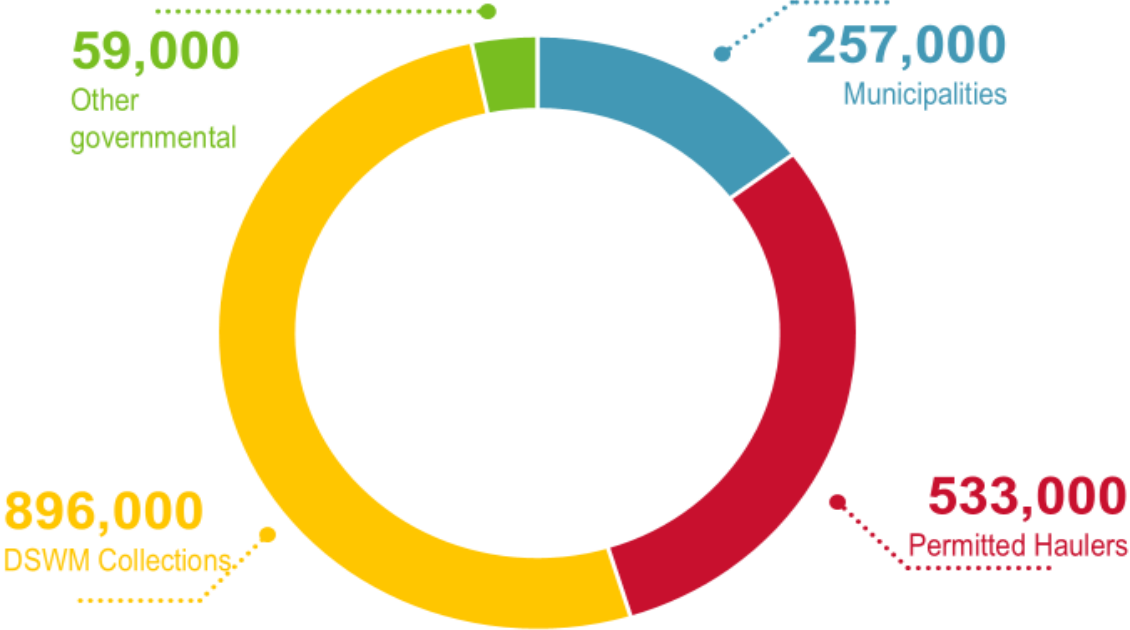
- Aventura
- Cutler Bay
- Doral
- Miami Gardens
- Miami Lakes
- Palmetto Bay
- Pinecrest
- Sunny Isles Beach
- Opa-Locka*
- Sweetwater*

Curbside Recycling Municipal Interlocal Agreements

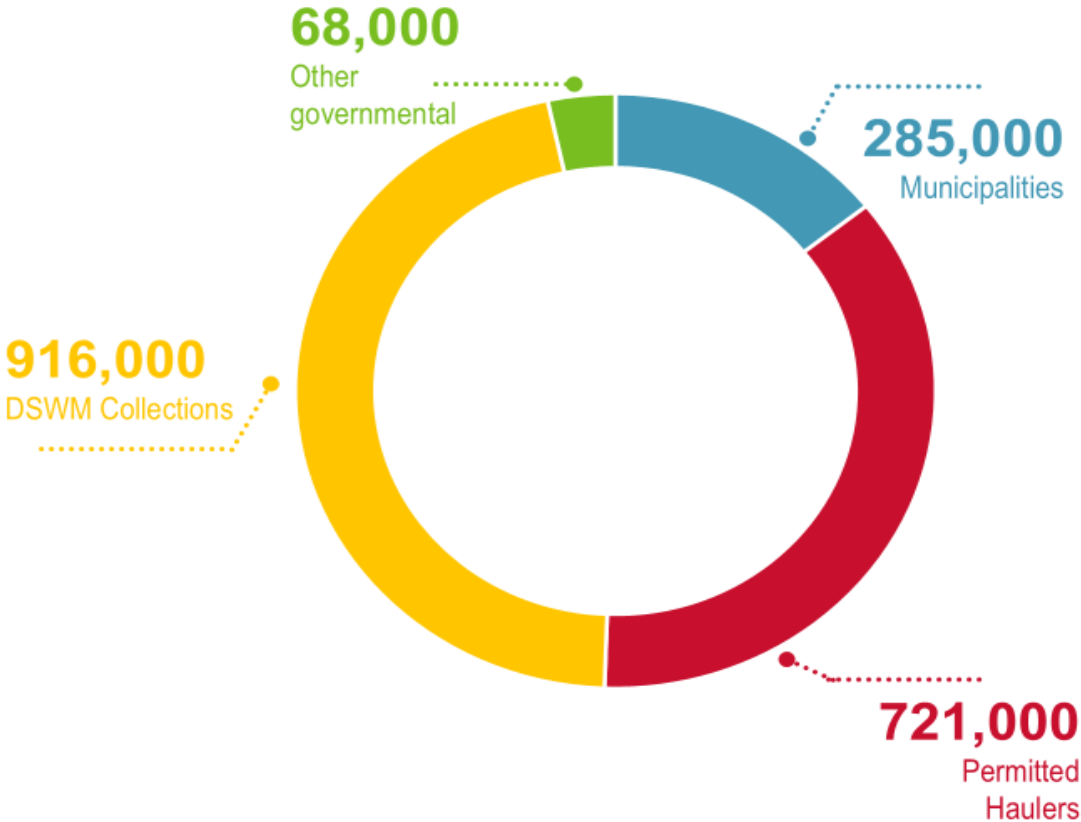
- El Portal
- Florida City
- Medley
- Miami Beach
- Miami Springs
- North Bay Village
- South Miami
- Virginia Gardens
- West Miami

DSWM Waste Management Sources (Tons)

2020

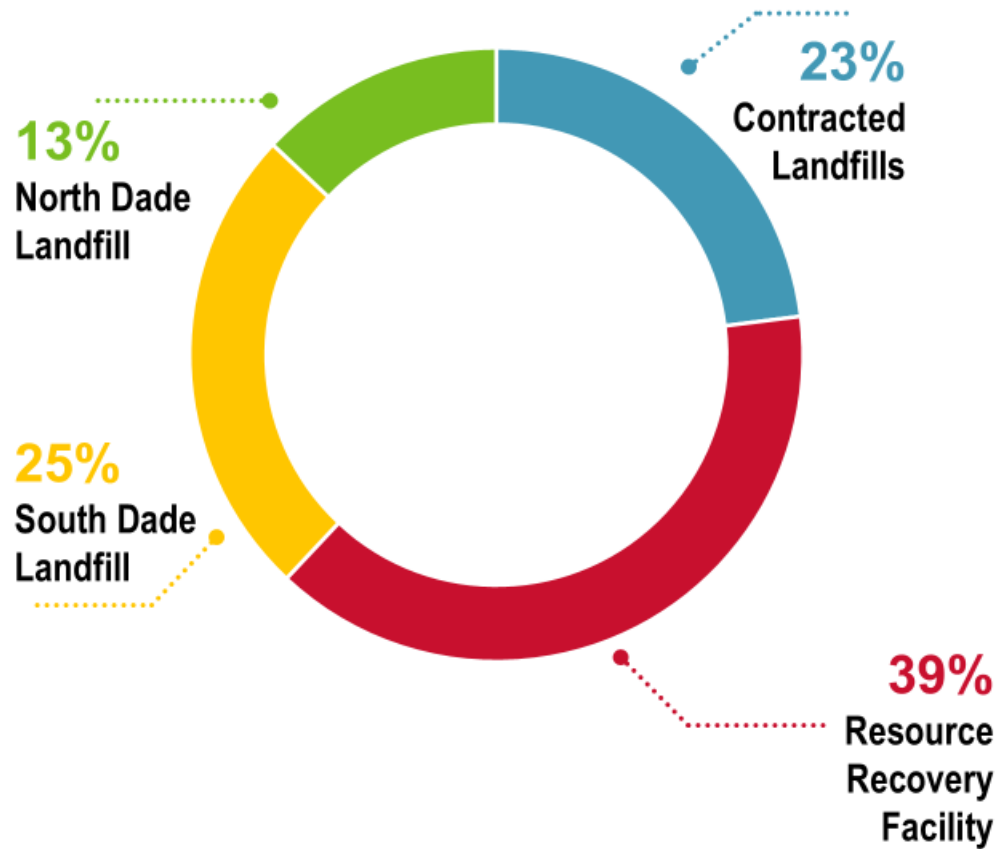


2024

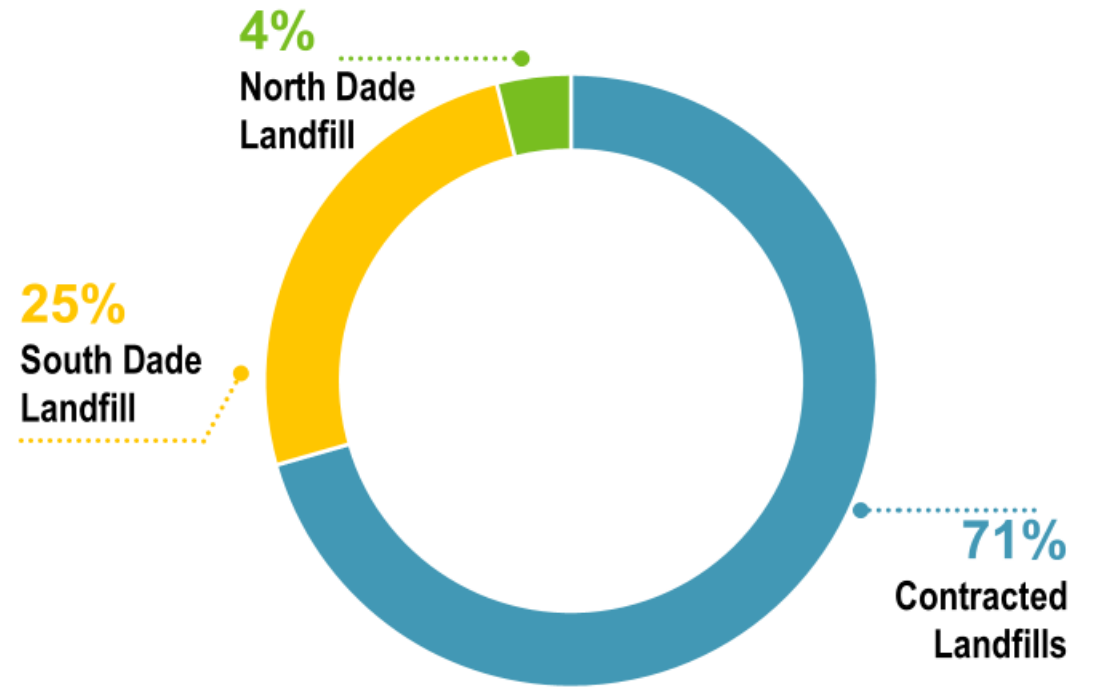


DSWM Waste Disposal

2020

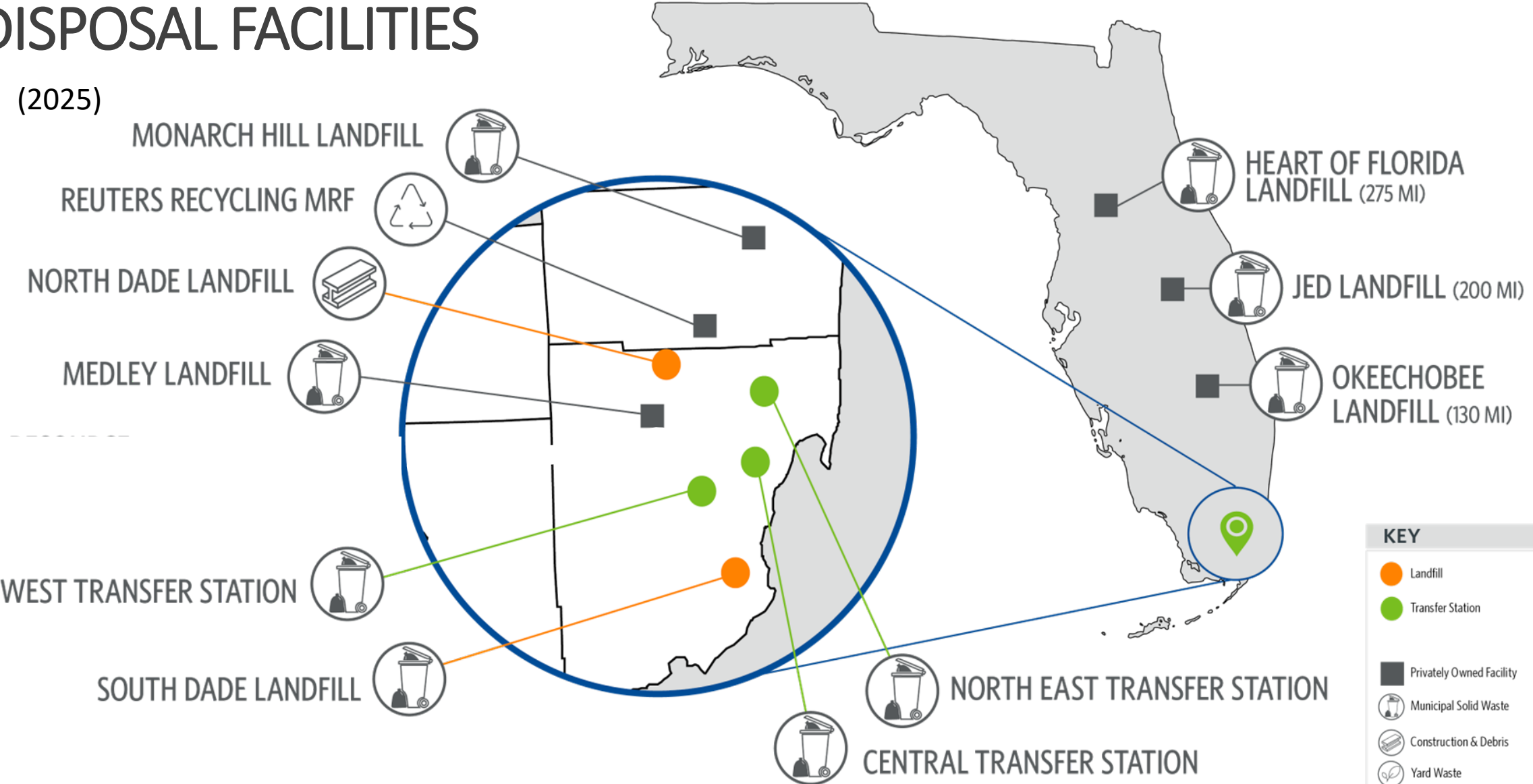


2024



DISPOSAL FACILITIES

(2025)



SYSTEM CHALLENGES

Landfills are reaching capacity.

- North Dade and South Dade Landfills expected to reach capacity by 2030 and 2032, respectively.

Reliance on contracted capacity to meet concurrency requirements.

- Contracted capacity until 2035.

5-Year Disposal Capacity Requirement

- State could impose moratorium on new building development if County becomes uncompliant.

Aging Infrastructure

- Solid Waste facilities are over 40 years old.



WTE IN MDC

Board of County Commissioners directed the Administration to negotiate with two companies to develop a waste-to-energy facility.

Administration and DSWM has been following this directive.

The following information has not yet been finalized or determined:

- Site location
- Campus/Waste Diversion Technologies
- Throughput Capacity



Zero Waste Master Plan Outline

Policies, programs, and infrastructure initiatives are organized within this framework

Foundation

- Describes current situation in MDC
- Summary of the outreach and engagement process
- Legal and regulatory analysis
- Financial analysis

Rethink/Redesign

- Focuses on redesigning systems
- Universal services
- Lead by example

Reduce/Reuse

- Consumption
- Reusing
- Rescuing edible food
- Repair systems

Recycle/Compost

- Expanding the recycling system
- Creating systems to collect food scraps.

Infrastructure

- New or expanded processing infrastructure
- Partnerships (B2B)

Results

- From analyses and research.

Implementation

- Analysis results
- Timeline suggestions
- Outreach, education, and marketing plan
- Roadmap for Zero Waste strategies

Elements of ZWMP Development

The Zero Waste Master Plan is carried out through 2 phases

Phase 1		Phase 2	
April 2025 – July 2025		August 2025 – June 2026	
Waste Stream & Systems Characterization Characterize solid waste stream, systems, and flows in Miami-Dade County <ul style="list-style-type: none">• Written Report• Graphic Representations	Zero Waste Master Plan Outline Evaluate and refine preliminary zero waste goals, objectives, and strategies <ul style="list-style-type: none">• Framework• Communications Materials	Public Input Advisory Process Develop an engagement plan to communicate with municipalities, businesses, schools, and the community <ul style="list-style-type: none">• Stakeholder Mapping• Ongoing Engagement	Zero Waste Master Plan Develop plan based on engagement feedback and assessment of alternatives to current DSWM operations <ul style="list-style-type: none">• Recommendations Report• Final plan of strategies



Questions?