

# South Florida Regional Planning Council Presentation

REGIONAL  
CONVERSATION ON  
SOLID WASTE  
MANAGEMENT

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DEPARTMENT OF  
SOLID WASTE  
MANAGEMENT





# Department Overview

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- Fully integrated waste management system that provides collection, transfer and disposal services
- Largest publicly operated solid waste collection and disposal system in the southeastern United States
- Provides waste collection services to more than 340,000 households in a 320-square-mile waste collection service area
- Disposal system processes approximately 1.8 million tons of waste annually
- Countywide mosquito control services include mosquito trap monitoring, and treatment



# Services We Provide

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- Garbage Collection
- Recycling Collection
- Bulky Waste Pickups
- Disposal Facility Operations
  - 13 Trash and Recycling Centers
  - 2 Landfills
  - Resources Recovery Facility waste-to-energy plant and an adjacent ash monofill
  - 2 Home Chemical Collection Centers
- Solid Waste Code Enforcement
- Countywide Mosquito Control



# Challenges & Opportunities

- Landfill Capacity
- Aging Infrastructure
- Competition for Human Capital
- Innovative Design & Land Use





# North Dade Landfill

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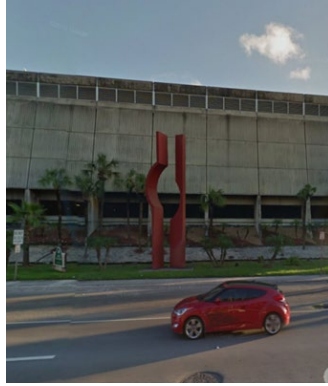
- 215 Acres
- Class III Landfill
- Accepts trash material such as old furniture, yard trash and construction and demolition debris
- Two cells; West Cell Closed, East Cell is Active
- Serves the Northern Region of the County and accepts about 250,000 tons per year
- Estimate of reaching capacity by **2026**

# South Dade Landfill



- 300 Acres
- Class I Landfill
- Accepts a variety of waste, including garbage, and trash
- Five cells; three cells have already been filled and closed; fourth is filled and in the process of closing
- Fifth cell is the active cell; landfill accepts 550,000 tons per year
- Estimate of reaching capacity by **2032**

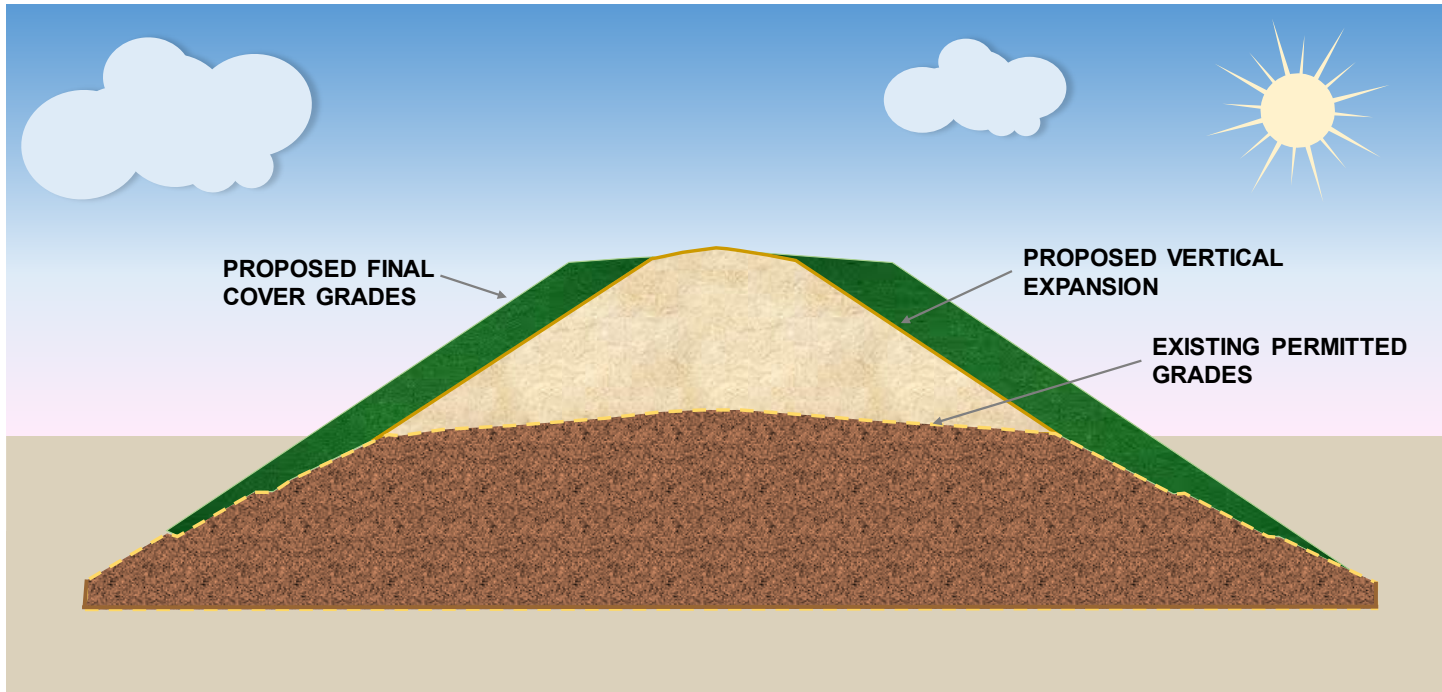




# Aging Infrastructure

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- Waste-to-Energy Facility
- Transfer Stations
- Collection Facilities
- Maintenance Shops
- 40/50 Year Recertifications



# Vertical Expansion to Extend Capacity

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# Innovative Designs



# Repurposing Landfills

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- Soccer Fields
- Outdoor Activities
- Open Spaces
- Vista View Park – 271 Acres (Broward County)
- Dyer Park – 560 Acres (Palm Beach County)







# Internal Recruitment

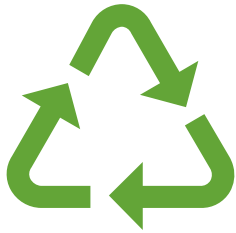
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- Succession Planning
- Training Program
- Investing in your Staff



# Regional Partnership

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Waste-to-Energy



Materials Recovery  
Facility



Compost Processing  
Facility

# Regional Opportunities in the Tri-County Area (Miami-Dade, Broward, & Palm Beach County)

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## Waste-to-Energy Facility

- Additional Capacity
- Strategically locate in the Tri-County Area

## Materials Recovery Facility

- Additional Capacity
- Strategically locate in the Tri-County Area
- Control of commodity stream

## Compost Processing Facility

- Strategically locate in the Tri-County Area
- Requires large footprint
- Requires markets for finished product

