

GREENING GARBAGE

LAKE COUNTY
PROFESSIONALS
TURNING GREEN

JUNE 11-12, 2009



GREENING GARBAGE

- VERTICAL INTEGRATION OF SOLID WASTE MANAGEMENT
 - Leaving haphazard behind with a master plan
- WASTE COLLECTION
- LANDFILL DISPOSAL
- REGIONAL COOPERATION
 - Looking for ways to tackle issues together

VERTICAL INTEGRATION

- COLLECTION
- REDUCE/REUSE/RECYCLE/DIVERT
- DISPOSAL (No such thing as zero waste)

- DEVELOP A MASTER PLAN WITH 5-YEAR, 10-YEAR, 20-YEAR PLAN FOR EACH COMPONENT
- ALLOW FLEXIBILITY FOR RESPONDING TO CHANGING REGULATIONS, NEW TECHNOLOGY AND FINANCIAL REALITY

COLLECTION

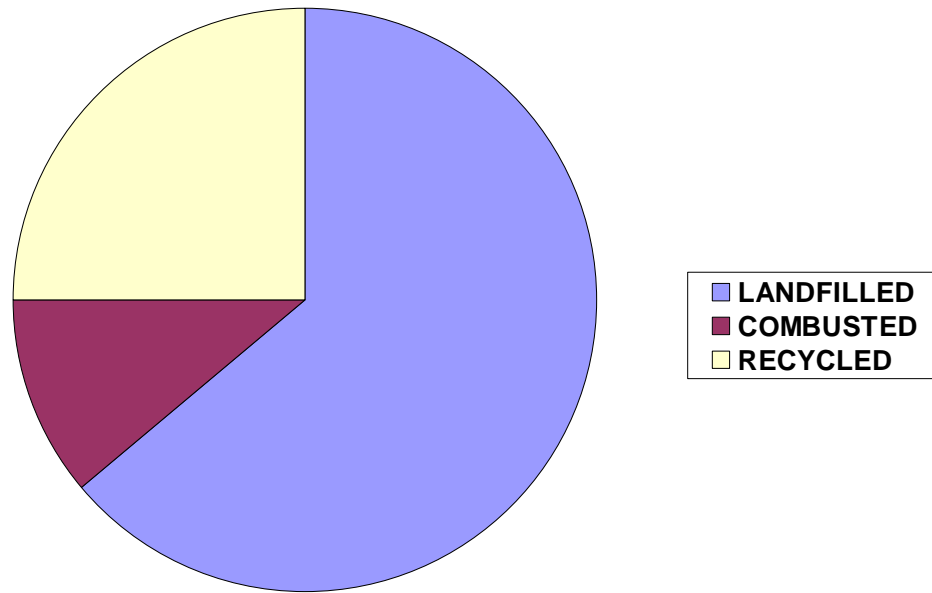
- “UNORGANIZED” IS EXPENSIVE AND INEFFICIENT
 - OVERLAPPING ROUTES
 - ROAD WEAR, TRAFFIC
 - SELF HAULING
- ROUTING FOR FUEL EFFICIENCY AND ENHANCED SERVICE
- NEW VEHICLE ENGINES HAVE FEWER EMISSIONS
- AUTOMATED COLLECTION IN URBAN AREAS

DISPOSAL

- CURRENT OPTIONS
 - LANDFILLS
 - COMPOSTING
 - INCINERATION (WASTE TO ENERGY)
- FLORIDA WASTE STATISTICS
- WEBSITE FOR FDEP
 - <http://www.dep.state.fl.us/waste/>

2006 FLORIDA WASTE MANAGEMENT

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DISPOSAL IN LANDFILLS

- 1970s TO 2010s Regulations
 - Permits, Monitoring, Liners, Leachate Collection, Closure, Financial Responsibility, Gas Collection
- Dry Tomb vs. Bioreactor Landfills
 - Preserve waste vs. Digest/degrade waste
- Landfills produce leachate and methane gas
- Collecting gas reduces greenhouse gasses
- Producing electricity captures “waste” energy

WASTE MANAGEMENT BY 2020

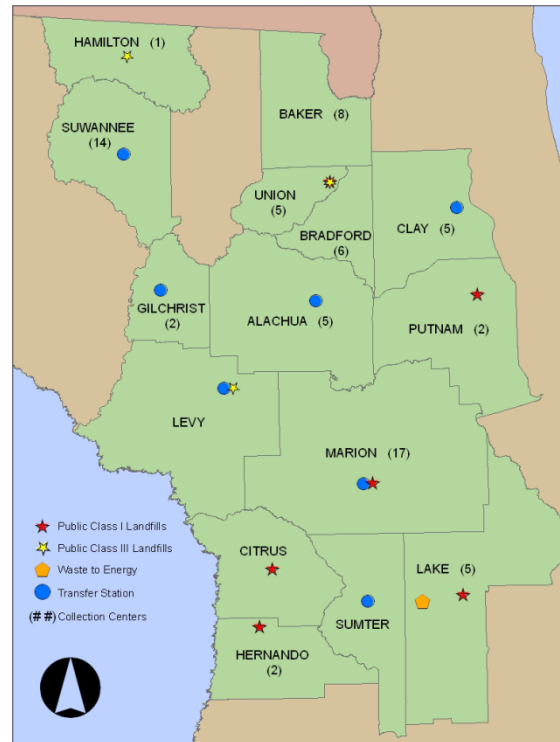
- COMPOSTING – 5 TO 10% BY 2010
- PACKAGING - NEW RULES COMING
- RECYCLING – 75% BY 2020

- MUST BE VERTICALLY INTEGRATED AND REGIONAL

REGIONAL COOPERATION

- CITIES USUALLY COLLECT WASTE
- COUNTIES ARE RESPONSIBLE FOR SOLID WASTE DISPOSAL
- COUNTY GOVERNMENT OFTEN LEADS IN ALL SOLID WASTE MANAGEMENT PROGRAMS
- UNITED WE CAN BECOME EFFICIENT, EFFECTIVE AND GREEN

HEART OF FLORIDA SOLID WASTE GROUP



MISSION

- The mission of the Heart of Florida Solid Waste Group is to seek out viable long-term solutions for municipal solid waste management needs throughout the region.
- <http://heartoffloridasolidwaste.org/index.html>

ACTIVITIES

- SHARE INFORMATION AND IDEAS
- COORDINATE PURCHASING
- ESTABLISH COMMON CONTRACTS
- PROCURE GRANTS
- SHARE PUBLIC EDUCATION AND OUTREACH
- MARKET RECYCLABLE MATERIALS
- SHARE RESOURCES IN EMERGENCIES
- FACILITATE REGIONAL PROGRAMS
- PROVIDE A COMMON VOICE TO REGULATORS AND LEGISLATORS

ADVANTAGES

- AVOID DUPLICATION OF EFFORTS
- IMPLEMENT COST-EFFECTIVE PROGRAMS AND FACILITIES
- KEEP WASTE MANAGEMENT ACTIVITIES CONTROLLED BY THE PUBLIC SECTOR
- MOVE TOWARD BEST ENVIRONMENTAL SOLUTIONS AVAILABLE

GOAL

- GREENING GARBAGE IN THE HEART OF FLORIDA