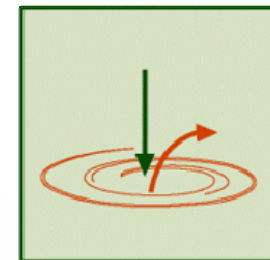


CHARLESTON COUNTY GREEN FOR GREEN SOLID WASTE MANAGEMENT PLAN (GREEN PLAN) UPDATE

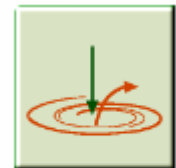
February 25, 2010



kessler consulting inc.
Innovative waste solutions

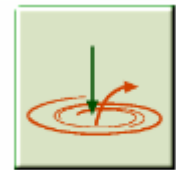
GREEN PLAN

- Council Directive
 - 40% Recycling
 - Premier Program in the Southeast
- Activities
 - Phase 1: Interim Stabilization
 - Phase 2: Technology, facility, & program assessment



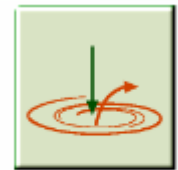
Council's 9 Step Strategy

- 1.a. Negotiate short term transfer & disposal of Municipal Solid Waste
- b. Negotiate a contract for recyclable materials processing and/or marketing services
- c. Conducted a Request for Information (RFI) to identify emerging waste conversion technologies
2. Maximize composting facility
3. Implement efficiency and accountability department wide



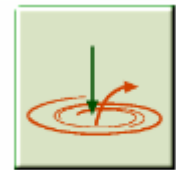
Council's 9 Step Strategy (cont'd.)

4. Explore public-private partnerships
5. Conduct waste composition study
6. Manage Montenay closure and transition
7. Develop and implement C&D recycling program
8. Provide Council periodic updates
9. Seek opportunities for regional solutions



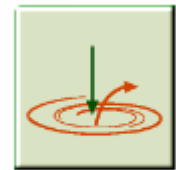
Stabilization Program

- Montenay closure
- Transfer and disposal of municipal solid waste service
- Implemented department-wide operational improvements
- County waste composition study

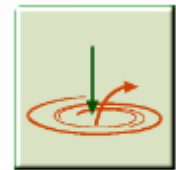


Compost Operation

- No yard waste in C&D landfill
- Redesigned and expanded compost operations
 - Improvements will allow doubling of capacity without additional cost
- Yard Waste de-bagging pilot implemented
- Investigating the addition of food/ biosolid composting

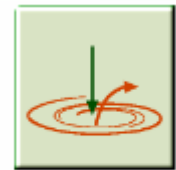


Compost Operation



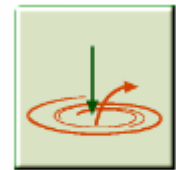
Landfill

- Eliminated purchase of landfill cover
 - Use of excess on-site compost for daily cover
 - Use of Best Management Practices (BMP) for cover soil application
- Significantly increased landfill capacity
 - BMP for safety, training, equipment, & compaction



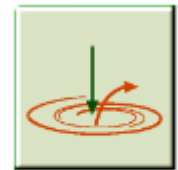
Recycling Activity

- Expanding recycling services
- Initiating Green Government Program
- Annual Earth Day event
- Investigating special materials program, e.g., pharmaceuticals, ammunition
- Exploring for short term public/private partnership to improve efficiency



Waste Composition Study

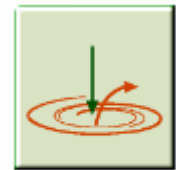
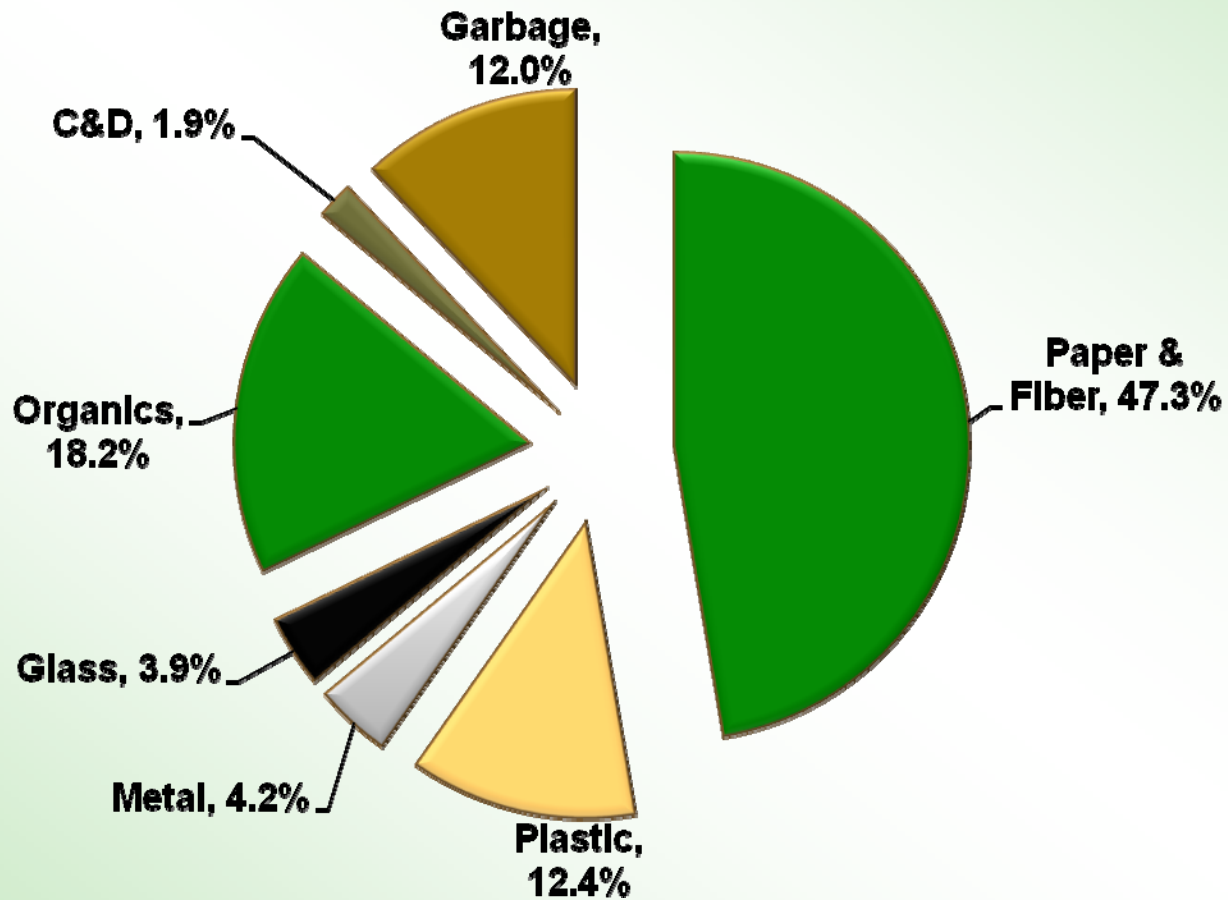
- To identify type and percentage of recyclable materials being disposed
- To provide benchmark data to measure future progress
- Two sorts – November 2009 and May 2010



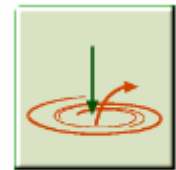
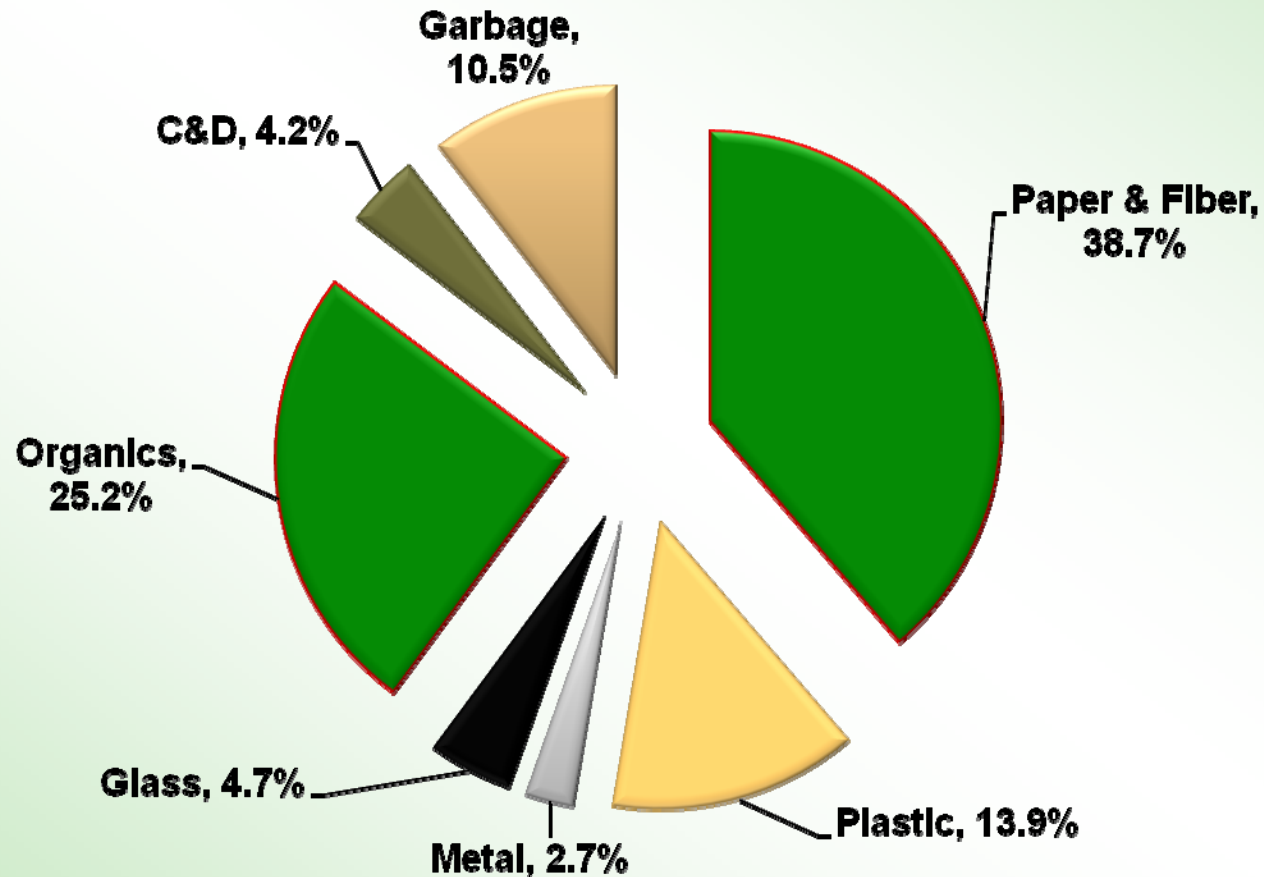
Waste Composition Study (contd.)



Residential Waste Stream Composition

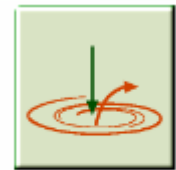


Commercial Waste Stream Composition



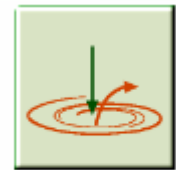
Municipal Cooperation

- Leadership meetings
- Initiated meetings with all municipalities
- Working together for mutual benefit and improved solid waste management throughout the county



Alternative Technology

- Prepared Request for Information (RFI)
- Received 11 Responses
- Performing due diligence and possible site visits
- Determine viability of alternative technology for Charleston County



Next Steps

- Initiate additional recycling and compost initiatives
- Continue Phase 1 stabilization program
- Initiate Phase 2: Technology Assessment
 - Analysis of technologies, facilities, and programs
 - Report back on appropriate components of Charleston County's Green Integrated Solid Waste Management System
- Goal: Premier Solid Waste Program in the Southeast

