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Speaker's Corner

**"The Big Picture:
The State
of Recycling
& Opportunities
for Innovation"**

**Presentation
from
Harvey Gershman**

This presentation, given by Harvey Gershman, GBB President, was provided as part of a panel session that took place at the National Recycling Coalition 2008 Annual Congress and Expo held in September 2008 in Pittsburgh, PA.

An overview of the presentation is available at:

www.gbbinc.com/speaker/GershmanNRC2008.pdf

GBB Waste Outlook

City of New Orleans-Auditing Solid Waste Collection

One of the many consequences of Hurricane Katrina in the City of New Orleans is the transformation of the solid waste collection landscape. Given the shift and movement of population, the City needs to get a verified house count to ensure accurate and fair invoicing and payment for residential and small business solid waste collection. With that in mind, the City hired GBB, as a subcontractor to the PFM Group, to perform a house count audit under an aggressive schedule.

Project Underway – Information Technology Talking Trash!

Over the years, GBB has conducted numerous collection routing analyses, both manually and using computer routing software models. For this New Orleans assignment, two things are critical: first,

the house count must be transparent and fully defensible; second, because the house count is changing rapidly due to return of residents, it must be easily and economically updated. GBB is using Global Positioning System (GPS) units to produce an audit trail that documents visual inspection of every residence and small business.

GBB, in association with GCR & Associates of New Orleans, developed a master refuse collection database, which will be referenced for house counts in the field. Postal, condemned property, energy meter, and water meter databases were utilized to ultimately generate a GIS database of prospective refuse collection points.

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Fuel Savings and Reduction of Operating Expenses Prompt Communities to Go High-Tech

FleetRoute™ Adopted by Cities with 15,000 to 233,000 homes to service: Stillwater, OK, and Baltimore, MD

The Cities of Baltimore, MD, and Stillwater, OK, don't have much in common, but when it comes to routing their fleet of refuse/recyclable collection trucks, they both opted to go high-tech with GBB and FleetRoute™ route optimization software.

After careful consideration, they will move from using traditional maps with markers and pushpins to FleetRoute™ technology. Their decisions are expected to reap measurable benefits. Improved customer service, fuel savings, reduced carbon footprint, route/crew accountability, balanced/equalized routes, and reduced time to reroute are the key benefits they'll see.



City of Stillwater, OK

The City of Stillwater's Waste Management Division, serving 15,000 residential units, has begun a six-month automated collection pilot program in an effort to explore the benefits and challenges of transitioning from manual to automated residential collection service. A cross-section of the community was chosen for

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Conventions & Tradeshows:

GBB will be present at the following industry events. We look forward to seeing you there!

WasteCon 2008

Tampa, FL
Exhibitor - Booth #915
October 21-23, 2008
Frank Bernheisel, Collection Training Instructor

Southeast Recycling Development Council Recycling Summit 2008

Point Clear, AL
November 12-14, 2008
Bob Brickner,
"C&D Recycling and Green Building"

Municipal Waste Management Association Fall Summit

San Diego, CA
November 19-21, 2008
Harvey Gershman,
"International Perspectives and Best Practices on Solid Waste and Recycling"

Biomass Finance and Investment Summit

Miami, FL
January 26-29, 2009
Harvey Gershman,
"Municipal Solid Waste-to-Energy Technologies"

SWANA Thinking Outside the Blue Box

Portland, OR
February 9-10, 2009
Chace Anderson,
Commercial Recycling

The Southeast Recycling Conference & Tradeshaw

Destin, FL
March 1-4, 2009
Harvey Gershman

C&D World

Tampa, FL
March 22-25, 2009
Exhibitor

Visit the conference / tradeshow section of our Website for a continuously updated list of events!

City of New Orleans-Auditing Solid Waste Collection

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GBB Team members next collected GPS coordinates to be spatially joined to the prospective refuse collection points. The vehicle of each field surveyor has a GPS with an external antenna mounted on the outside of the vehicle and a dashboard interface for triggering the marking of XY coordinates for each refuse collection point.

GBB will then develop an accurate, verifiable, and transparent "Update Procedure" methodology for the master collection database that the City can use in

the future to update the waste set-out database.

Finally, GBB will produce a report including descriptions of the survey and verification methodologies, the number of residences and small businesses in each contract area that require service, and instructions for updating the electronic database. The end result for New Orleans will be an accurate, updatable database of locations receiving waste collection services that will ensure fair and proper billing.

Fuel Savings and Reduction of Operating Expenses Prompt Communities to Go High-Tech

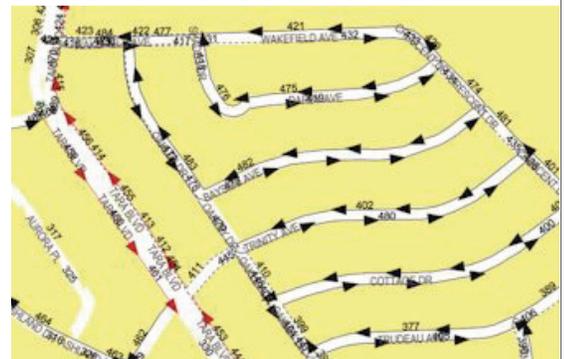
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this pilot program, consisting of approximately 2,650 residential units divided into four different routes. The GBB Service Bureau developed the initial routes, provided installation and set up, and also trained City staff to do future rerouting in-house.

"Routing efficiently for the automated vehicle's single-side collection is complex, so the City took this opportunity to ensure that we are creating optimal routes right off the bat." noted David Higgins, Stillwater Public Works Operations Manager. "The City selected FleetRoute™ to help create and optimize the efficiency of the four routes."

City of Baltimore, MD

Working through the Northeast Maryland Waste Disposal Authority, the GBB FleetRoute™ Service Bureau is currently optimizing routes for up to 100 daily operating waste collection trucks servicing 233,000 homes in the City of Baltimore. With two collections per week, running six days per week, this project equates to generating up to 300 unique day routes for the City. Once the initial routes are created, City staff will be trained to use the software and take over routing responsibilities.



FleetRoute

"Routing efficiently for the automated vehicle's single-side collection is complex, so the City took this opportunity to ensure that we are creating optimal routes right off the bat."

David Higgins
Stillwater Public Works
Operations Manager

Updates from the Guam Receiver



In a Court Order dated March 17, 2008, U.S. District Court Judge Frances M. Tydingco-Gatewood appointed GBB to be Receiver with full responsibility for bringing the Guam Solid Waste Management Division into compliance with the 2004 Consent Decree for violation of the Clean Water Act. The latest information about the receivership is available at:

www.GuamSolidWasteReceiver.org

Guam Recycles!

As of September 15, 2008, Guam residents are able to recycle cardboard, mixed paper and glass at three convenient locations, thereby extending the life of the Ordot Dump until a new lined landfill is constructed. The new recycling containers are part of a pilot program made possible through an Executive Order signed by Governor Felix P. Camacho, authorizing an emergency procurement for the purchase of solid waste equipment.

The launch of Guam's recycling program was celebrated at a special event on September 15. First Lady Joann Camacho noted that "The governor and I have great hope for this project, as it will lead to widespread recycling on the island. This is an opportunity for all of us to do our part." In her remarks, Dededo Mayor Melissa Savares commented, "Our community has always accepted green waste, cardboard, paper, plastic, and now we're excited because we can accept glass as well in these areas." After addressing the audience, the officials placed the first recyclable materials in the new containers.



Guam's New Recycling Container



First Lady of Guam Joann Camacho

GBB Makes Guam Team Feel at Home at 2008 Little League World Series

Representatives from GBB were in the stands cheering for the team from Yona representing Southern Guam Little League during the 2008 Little League Baseball World Series in Williamsport, PA. The Guam team participated in the 62nd edition of the famed tournament for 11-12-year-olds, which features 16 teams from around the world.

Congratulations to the Guam team for making it to the Little League World Series and going 1-2!



GBBers with the banner in front of GBB's office.

Recent GBB Assignments

In the past few months, GBB has been selected for several new assignments, including:

- **Master Plan Consultant for the Lexington Recycling Center**
Lexington-Fayette Urban County Government, KY
- **Professional Recycling, Composting, and Resource Management Consulting Services**
Mojave Desert and Mountain Recycling Authority, CA
- **Development of Special Events Green Plan**
Town of Addison, TX

We appreciate the opportunity to assist these clients with their needs.

GBB Career Opportunities

GBB is seeking two Senior Project Managers with strong experience / background in one of the following areas of specialization to meet the growing needs of its clients:

- Collection
- Construction Waste and Demolition Debris (C&D) Recycling

This is a great opportunity to participate in GBB's growth and ownership.

Visit www.gbbinc.com/career to learn more and to send your résumé in confidence.

GBB to Assist Mojave Desert & Mountain Joint Powers Authority (JPA) with Strategic Planning

GBB has contracted with the JPA in Victorville, CA, to prepare a strategy to assist Victor Valley communities with future resource management decisions. The strategy, aimed at maximum feasible landfill disposal reduction, will consider resource generation, collection, pre-processing, processing, composting and energy issues. Joining the GBB Project Team for the assignment is RRT Design & Construction, Inc.

"The Victor Valley Materials Recovery Facility opened in 1995," JPA Administrator John Davis said. "It is time to look at expansion while applying new technology to increase recycling, expand composting, and apply appropriate energy recovery. GBB's proposal best met our needs, and they have the experience to carry it out."

"The JPA has provided an excellent processing infrastructure with which to help its members achieve cost-effective processing of recyclables," said Harvey Gershman, GBB President. "However, with the increasing value of recyclables, benefits of composting, and the greater value of energy as well, there are opportunities that the Authority should consider in its efforts to minimize what goes to landfill disposal. The overall objective of our efforts will be to present alternatives that can achieve a 50-75% increased diversion level for recycling and composting, and to understand reasonable alternatives for converting the remainder as a feedstock for refuse-derived fuel and/or energy recovery approaches."

GBB

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Biomass Finance and Investment Summit Coming Up in Miami

Harvey Gershman, GBB President, will make a presentation entitled "Municipal Solid Waste-to-Energy Technologies" during the Biomass Finance and Investment Summit held in Miami Beach, FL, January 26-29, 2009.

The future of the biomass market will be shaped largely by the fate of a variety of advanced biomass technologies under development. The Briefing will provide a report on the status of the development and commercialization of these technologies. The goal is to furnish insight into when these technologies will be ready for primetime and provide the foundation for financeable biomass projects. The Briefing will review these technologies in connection with the requirements of the markets they are intended to serve and will:

- Assess their current status and expected future developments
- Report on their technical challenges and commercialization timelines
- Evaluate their ability to be successfully scaled up
- Assess their economic implications
- Appraise their operating histories and risk characteristics

The summit, organized by Infocast, is an opportunity to join and network with leading biomass developers, investors, lenders, technology developers and other industry players at an outstanding Miami resort.

More information is available at www.infocastinc.com/biomass

Annual NRC "Duck Soup" Softball Game a Great Success in Pittsburgh!



The annual "Duck Soup" softball game was held Tuesday, September 23, 2008, at Mt. Washington Park, in Pittsburgh, PA, during the National Recycling Coalition's 27th Congress and Expo.

The event, sponsored by GBB and Covanta Energy, was once again a great success and highly appreciated by all involved. Spectators and players alike got the opportunity to take a break and join in this networking and social opportunity. The friendly competition was played in the fun "Duck Soup" format, where the rules change from inning to inning. Pictures and "Duck Soup" rules are available at: www.gbbinc.com/news/nrc08-softball.htm.

Thanks to all the participants! We hope to see you at next year's event!