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Speaker's Corner**"Metro Nashville: Total Solid Waste Management Planning and Implementation" Presentation**

In August 2011, Harvey Gershman, GBB President, and David Manning, former Metro Nashville Director of Finance, gave this presentation at WASTECON in Nashville. The panel discussion highlighted a major success story that GBB shares with Music City where Metro Nashville achieved significant cost savings and efficiencies through strategic planning, procurement, GIS path routing and a new, award-winning district energy system.

PDF of Presentation:
tinyurl.com/GBBwastecon

GBB Waste Outlook

GBB Helps Island Community Achieve Turnaround of Solid Waste Management Infrastructure Guam Getting Cleaner and Greener as Key Milestones are Achieved

GBB has developed, in addition to its broad array of solid waste management consulting experience, skills and technical resources, a unique expertise and understanding of the recycling and solid waste management challenges of island communities. Over the past five years, GBB has had important assignments in the U.S. Virgin Islands, County of Maui, HI, and the Cayman Islands.



In 2008, the U.S. District Court of Guam appointed GBB as Receiver to achieve the Guam Government's compliance with the Clean Water Act as set forth in a 2004 Consent Decree. The Decree, signed between the Government of Guam and the United States Environmental Protection Agency, ordered the Government of Guam to close the Ordot Dump, cease all leachate discharges into the Lonfit River, and open a new municipal solid waste landfill facility.



Frances M. Tydingco-Gatewood, Chief Judge, District Court of Guam, delivers remarks during ceremonies commemorating the permanent closing of the Ordot Dump.

Two key milestones took place this past summer in Guam as the 70-year old Ordot Dump was permanently closed to waste deliveries on August 31, 2011, when the U.S. District Court of Guam officially locked the gate at the Dump and, in a Court hearing, celebrated this milestone of bringing the Guam Solid Waste Management Division into compliance with the Consent Decree.

The next day, on September 1, 2011, at an on-site hearing of the District Court of Guam, the gates of the Layon Landfill were officially opened, allowing trucks bringing waste to arrive. As part of his remarks during the official opening ceremonies attended by official participants, invited special guests, the

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EPRI Selects GBB for an Evaluation of Municipal Solid Waste-to-Energy Power Plants

GBB has initiated a detailed engineering and economic evaluation for the use of Municipal Solid Waste (MSW) as fuel in the generation of power utilizing various conversion technologies and parameters for the Electric Power Research Institute, Inc. (EPRI) after being selected through a formal procurement process. The intent of the evaluation is to provide a current status on the technologies associated with MSW, including performance data, cost (capital, operation & maintenance (O&M), and levelized cost of electricity (LCOE)), and prospects for future improvement of the technology types. The study will be part of EPRI's overall research and development relating to the generation, delivery, and use of electricity for the benefit of the public.

"GBB's reputation and expertise with regard to waste-to-energy (WTE) and conversion technologies (CT) is very impressive. This translated into a high level of understanding of our needs and very sensible approach to the project," noted Clarence L. Lyons, EPRI Project Manager. "The Project Team is composed of experienced individuals with very diverse, complementary backgrounds and areas of specialization which is ideal for this type of study."

Conventions & Tradeshows:

GBB will be present at the following industry events:

Municipal Solid Waste to Biofuels Summit

Chicago, IL
February 7-8, 2012

Harvey Gershman,
Speaker & Moderator
*"Educating Municipalities
on the value of
incorporating waste to
fuels into a renewable
energy strategy"*

www.renewable-waste.com/biofuels

National Demolition Association Conference

San Antonio, TX
GBB, Exhibitor
March 10-13, 2012
www.tinyurl.com/nda2012

North American Waste-to-Energy Conference

Portland, ME
GBB, Exhibitor
April 23-25, 2012
www.nawtec.org

WasteExpo

Las Vegas, NV
April 30 - May 3, 2012

Harvey Gershman,
Moderator
*Conversion Technologies
session*

www.wasteexpo.com

WASTECON

Washington, DC
August 14-17, 2012
GBB, Exhibitor
www.wastecon.org

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

GBB Helps Island Community Achieve Turnaround of Solid Waste Management Infrastructure

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general public, and the media, GBB President Harvey Gershman said "This should be the only landfill Guam needs. This is a resource, so use it sparingly. Reduce, reuse, recycle as much as possible!"

The Layon Landfill is a high-tech, environmentally sound and highly controlled landfill for non-hazardous municipal solid waste. It was built with an engineered liner and a leachate collection and removal system that protect human health and the environment. With a capacity in excess of 15.8 million cubic yards, the Layon Landfill will service the island of Guam for more than 40 years.

The dramatic turnaround of the Guam solid waste management infrastructure, with construction costs for the new Layon Landfill and the essential supporting infrastructure, was completed with the final cost coming in approximately \$37 million under budget. Significant operational savings have also been achieved in the area of equipment maintenance, residential trash collection, operation of the Ordot Dump, and convenience centers (known as transfer stations in Guam,) with expenditures for these areas reduced in excess of thirty percent (30%) while dramatically improving results for customers.

Previous milestones that helped dramatically improve the services provided to the people of Guam include implementing a successful trash collection system, rolling out a curbside recycling collection pilot project, implementing several public education programs, managing multiple important procurements, and reaching an agreement with Naval Facilities Engineering Command Marianas to begin using the Layon Landfill for disposal of non-hazardous waste from its facilities on Guam.

In the next few years, GBB's work will include: environmental investigations conducted at the Ordot Dump; overseeing the design and construction of a permanent closure cap as landfill gas and leachate management projects are put in place; managing residential collection services; renovating transfer stations; implementing a Household Hazardous Waste center; and overseeing contractor operations performance.

"After approximately three years and five months since its appointment, the Receiver has effectively dealt with many challenges to reach two major milestones under the Consent Decree - the closing of the Ordot Dump and the opening of the Layon Landfill. The court commends the Receiver for its efforts and the tremendous progress it has made thus far."



-- U.S. District Court Judge Frances M. Tydingco-Gatewood in a court order issued September 2, 2011 that included a brief background of the case.

"The federal receiver, Gershman, Brickner & Bratton Inc., has the island's thanks for fixing and improving the government's solid waste program." [...] "In short, the receiver has transformed the way the island deals with its waste."

— Editorial in the Pacific Daily News, August 30, 2011



Layon Landfill ribbon cutting ceremony.

Curbside Value Partnership Selects GBB for Strategic Planning and Technical Assistance Organization Aims to Grow Participation in Curbside Recycling Programs Nationwide

Curbside Value Partnership (CVP) selected GBB to provide strategic operational planning guidance and serve as a technical consultant to assist in pursuing its objectives to help communities grow participation in their curbside recycling programs and help measure this growth to make better decisions. As part of this new role, GBB will perform efficiency audits on a selective basis to CVP partner communities, identifying operational and contractual efficiencies and program improvements that will help communities recycle more while spending less.

"As a consulting firm, GBB has assisted many communities throughout the nation with recycling/solid waste management strategic planning that yielded increased efficiency, reduced and stabilized costs and/or enhanced revenue, and substantially elevated waste diversion to reuse



and recycling," noted Steve Thompson, CVP Executive Director. "I believe that CVP will greatly benefit from GBB's experience as we continue to partner with more communities across the U.S."

"We're excited to join CVP and to work hand-in-hand with them to create synergies and significantly move the curbside recycling needle," said Harvey Gershman, GBB President. "Increasing recycling of all curbside commodities, creating jobs, and expanding recycling infrastructure are challenging objectives. I'm confident that the combination of GBB's expertise and the commitment of CVP's leadership, partners and sponsors will prove to be a driving force toward achieving these goals."

Mobile App Spotlight

This new feature of the GBB Waste Outlook will showcase one of the growing number of free or low-cost mobile apps related to recycling or to the solid waste management industry in general. Readers are encouraged to contact gbb@gbbinc.com to suggest interesting apps that should be featured in future newsletters.

My Recycle List—Developed and powered by 1-800-RECYCLING.com, *My Recycle List* is a free mobile app for the iPhone and Android that helps users locate nearby recycling facilities and shows which types of recyclables the facility accepts. The app was voted the 2011 Best Eco App for Smart Phones as part of TreeHugger's annual Best of Green Awards in the Science and Technology category. Some of *My Recycle List*'s features:



- Find nearby recycling locations using GPS or ZIP code
- Search for multiple materials at once
- Organize and save list for future use
- Access in-app interactive maps and Web browser
- Covers the entire United States and parts of Canada
- Call recycling locations directly or add them to your contacts
- Works directly with 1-800-RECYCLING.com to search over 120,000 locations

More info and download links at: 1800recycling.com/mobile/

* Featured apps are not necessarily endorsed by GBB.



Recent GBB Assignments

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

• **Evaluation of Proposals for Transfer and Disposal Services**
Accomack County, VA

• **Waste Collection Franchise Services Procurement**
Charles County, MD

• **Solid Waste Collection Services Review**
City of Charlotte, NC

• **Strategic Planning and Technical Assistance**
Curbside Value Partnership

• **Demolition Landfill Remediation Cost Analysis**
Deschutes County, OR

• **Evaluation of Municipal Solid WTE Power Plants**
Electric Power Research Institute, Inc.

• **Assistance with Biosolids, Greenwaste, and New Food Waste Composting Program and Biofuel**
Maui County, HI

• **Solid Waste and Recycling Master Plan**
Miami University, OH

• **WTE Procurement**
New Hanover County, NC

• **Development & Procurement of a Waste Conversion Demonstration Plant**
Prince William County, VA

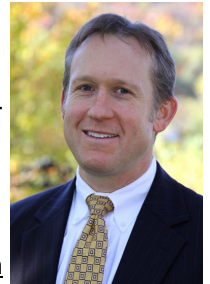
• **Solid Waste Management Plan Update**
Wasatch Integrated Waste Management District, UT

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

GBB Continues to Expand

John Carlton, P.E.—Vice President

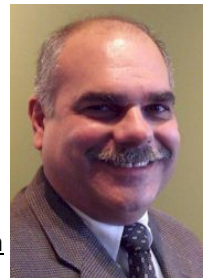
Based in New Jersey, Mr. Carlton joins GBB as Vice President. He has more than 22 years of solid waste management experience as a consultant and in executive positions for public-sector authorities. Prior to joining GBB, he most recently served as Project Director and Project Manager for landfill baseliner and closure designs, landfill and composting operator procurements, solid waste management plan development, waste-to-energy, and landfill photovoltaic projects for CDM, a national consulting, engineering, construction and operations firm.



Press Release at: www.gbbinc.com/press_releases/carlton.htm

Timothy D. Giardina—Vice President

Mr. Giardina, who joined GBB as Principal Associate in December 2009, has been promoted to Vice President. In his new, expanded role, he will increase his contribution on GBB Project Teams, helping clients with his hands-on experience with running waste collection and service companies, and contribute to the firm's expansion with additional business development responsibilities focused on collection-related consulting services.



Press Release at: www.gbbinc.com/press_releases/giardinaVP.htm

Elizabeth A. Rice—Consultant I

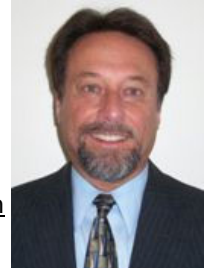
A 2011 graduate of Columbia University with a B.S. in Environmental Engineering, Ms. Rice joins GBB as a full-time Consultant I. She first joined GBB as a 2010 summer intern/research assistant, during which she gained experience in researching recycling and collection programs and Waste-to-Energy (WTE) technologies.



Press Release at: www.gbbinc.com/press_releases/rice.htm

Michael A. Czuprenski, P.E.—Principal Associate

Based in the Detroit metro area, Mr. Czuprenski joins the firm as a Principal Associate and adds to GBB's growing Midwest presence. He brings to the table his extensive public-sector, hands-on and strategic solid waste management expertise after 21 years as Operations Director at the South-eastern Oakland County Resource Recovery Authority, a 12-community solid waste consortium in Michigan serving approximately 100,000 households.



Press Release at: www.gbbinc.com/press_releases/czuprenski.htm



SOLID WASTE
MANAGEMENT
CONSULTANTS

8550 Arlington Boulevard, Suite 304
Fairfax, VA 22031
800.573.5801 / Fax: 703.698.1306

www.gbbinc.com

GBB's Comprehensive Report Provides Substantial WTE and Recycling Information

This past spring, the Solid Waste Authority of Palm Beach County, FL commissioned from GBB a white paper to address issues raised by the Florida Chapter of the Sierra Club regarding the 3,000 tons-per-day waste-to-energy facility to be added to the Authority's existing integrated solid waste management infrastructure and services. GBB reviewed the documents from the Sierra Club and Institute for Local Self Reliance and assessed the accuracy of the statements and claims made about diversion rates and solid waste programs in certain U.S. counties and cities. The comprehensive 82-page report prepared by GBB, which provides substantial information on waste-to-energy and recycling was published on May 3, 2011 on the Authority's website.

See the report via: www.tinyurl.com\GBBSWA