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Speaker's Corner

"Insider's Insight: Procurement of New State-of-the-Art C&D Recycling Facility"

SWANA's Thinking Outside the Blue Box 2008 Conference

This presentation, given by Bob Brickner (GBB Executive VP), addressed the challenge of approaching the procurement of a C&D recycling facility from a strategic standpoint, rather than a simple call-for-bids, to foster proposers' participation and creativity in order to maximize the return on investment for the public sector entity.

The presentation was made at SWANA's Thinking Outside the Blue Box Conference held in February 2008 in Corpus Christi, TX.

PDF of Presentation at: www.gbbinc.com/speaker/cd2008.pdf

GBB Waste Outlook

GBB Assisting Cayman Islands with Waste-to-Energy and Solid Waste Management Planning Expertise in Unique Issues of Island Communities a Key Factor in GBB's Selection

GBB was selected by the Cayman Islands Government's Department of Environmental Health (DEH) to provide Waste-to-Energy (WTE) and Solid Waste Management Consulting Services. Joining GBB on this project is Cayman Islands-based APEC Consulting Engineers, Ltd., a Civil and Structural engineering consultancy with the expertise and background to complement GBB's experience and capabilities.



Cruise ship with landfill site in background on Grand Cayman.

The Cayman Islands, with a population of 45,000, are a British territory located in

the western Caribbean Sea, comprising the islands of Grand Cayman, Cayman Brac, and Little Cayman. The islands are situated about 480 miles south of Miami.

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Over 500 Responses to Rivanna Solid Waste Authority's Online Survey GBB Assisting Authority with Strategic Plan

Residents of Charlottesville and Albemarle County, Virginia, have spoken: They want more opportunities to recycle and they are eager to have a more sustainable solid waste management system, even if it means paying more each month.

These sentiments were one finding of a six-month strategic planning process undertaken by GBB for the Rivanna Solid Waste Authority (RSWA). The RSWA asked GBB to examine solid waste and recycling services in the RSWA service area and explore improvements to the Authority's facilities and services that the public will support. Joining GBB for this project is Virginia-based Draper Aden Associates. The objective of the process is

to reach consensus among residents and elected officials on a viable solid waste

management system that better serves the needs of residents of the City of Charlottesville, Albemarle County, and the Town of Scottsville, as well as the students and faculty of the University of Virginia and other institutions and businesses within the community.

A key question was: What kinds of changes would the community support?

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Conventions & Tradeshows:

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

• Federation of NY Solid Waste Associations Conference

Lake George, NY
May 4-7, 2008

Bob Brickner, Speaker
"Saving 15% & Beating High Fuel Collection Costs"

• North American Waste-to-Energy Conference

Philadelphia, PA
May 19-21, 2008

• Recycling and Sustainability Summit Recycling Alliance of Texas

The Woodlands, TX
August 16-20, 2008

• Waste-to-Energy Research and Technology Council Annual Meeting

New York, NY October 16-17, 2008

• Wastecon 2008

Tampa, FL
October 21-23, 2008

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

Publication

The Jan/Feb issue of MSW Management features an article by Chace Anderson, GBB Vice President:

"Have You Heard The Latest About Automated Collection?"

[mswmanagement.com/
mw_0801_have.html](http://mswmanagement.com/mw_0801_have.html)

New Transfer Station to be Built in Charles County, MD GBB Assisting with Procurement Process of Turnkey Construction Project

Following GBB's study on the feasibility of developing a transfer station at Charles County's existing landfill and contracting for operation, transport, and disposal services, the County has elected to move forward with the procurement process for the turnkey construction of a transfer station.

As part of the initial feasibility study, GBB visited the landfill site and reviewed existing County landfill operations and cost data. An economic analysis of the capital and operating costs of a new transfer station was then prepared, followed by the final Feasibility Report which included the economic analysis, certain considerations, issues, and needs associated with privatization and the procurement contemplated by the County, certain factors in the region that may impact the procurement, and other findings, conclusions, and recommendations from GBB's review of data, research, and analysis.

As the procurement process is initiated, GBB has been retained to draft and finalize the RFP and related documents. GBB staff will also participate in the pre-proposal meeting and take the lead in drafting an initial response to technical questions asked by potential proposers.

Over the years, GBB has provided solid waste management consulting services to most counties and cities in the Washington Metropolitan Region, and most of the counties in Maryland. In addition, GBB has extensive knowledge of the County's solid waste landscape having previously assisted Charles County through preparation of the County Recycling Plan, an assessment of Household Hazardous Waste Program Feasibility, and a Regional Waste-to-Energy Project Feasibility Study in which the County was a participant. GBB also advised Charles County when it was considering privatization of its landfill operation.

Over 500 Responses to Rivanna Solid Waste Authority's Online Survey

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To find out, GBB held more than 50 individual meetings with public officials, community leaders, business executives and solid waste officials. In addition, the company organized two community meetings in November and December 2007, and conducted two online surveys. Based on GBB's in-depth assessment of facilities and services operated by RSWA and benchmarking with similar communities around the country, GBB presented five possible scenarios for consideration by the community. These ranged from simply improving current facilities to a fully sustainable option with expanded recycling, a materials recovery facility and a facility that would burn non-recyclable solid waste materials for fuel or electricity. The surveys asked residents for their opinions of current facilities as well as their preferences among the five scenarios for the future.

RSWA received over 570 survey responses, which provided valuable input for

the draft strategic plan, currently under review by officials of the RSWA service area. "It's quite simple to summarize the feedback we received during the community meetings and via the online survey," said Harvey Gershman, GBB president. "The message was loud and clear: do more, spending as little as possible. Residents want to develop a new transfer station, provide curbside recyclables collection to residences and businesses in urban areas, and build a new MRF for recyclables and C&D material. As this is done, they want to start exploring further the next step: a refuse derived fuel or waste-to-energy facility for a sustainable system that could yield up to 93% diversion."

Videos of both public meetings, a PDF of the presentation made during public meetings, and a link to the RSWA website are available at: www.gbbinc.com/rivanna





Snow in Maui *New Global Cooling Trend?*

This photo of snow on top of Haleakala mountain in Hawaii was taken on January 29, 2008 as GBB works on updating Maui County's Solid Waste Management Plan. The snow melted too fast to amend the scope of work to include snow removal!

Planning for Future Programs and Evaluating Current Initiatives

Wake County, NC, Construction & Demolition Waste Assessment Updated by GBB

During the fall of 2007, GBB completed a strategic review of the handling, recycling and disposal of construction waste and demolition debris (C&D) generated in Wake County, NC, the second-most populous County in North Carolina with more than 817,000 residents.



disposed and recycled in the County and provided information on the collection and disposal system, including permitted capacity, recycling system tipping fees and C&D landfill costs.

As part of the assignment, funded by the County and the City of Raleigh, GBB interviewed private sector participants in the C&D industry, including commercial generators, demolition contractors, haulers, C&D recyclers and public sector entities. GBB also reviewed C&D waste generated,

Additionally, GBB researched and provided benchmark information on other communities that have successful C&D monitoring and/or reporting programs, with and without regulatory requirements. The draft report, presented in late January 2008, included key requirements and impacts of several C&D recycling model ordinances used around the country.



"GBB's assessment will provide us with a better understanding of the generation, disposal and diversion of C&D materials in Wake County," said Jim Reynolds, Solid Waste Director for Wake County. "The information gathered will be used to evaluate current C&D initiatives and to plan for future programs."

Recent GBB Assignments

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

- **Transfer Station Procurement**
Charles County, MD
- **Development and Implementation of a Solid Waste Management Master Plan**
City of Annapolis, MD
- **Demolition Landfill & Redmond Landfill Subsurface Investigations**
Deschutes County, OR
- **Evaluation of Waste Disposal Technologies on Behalf of Rhode Island Resource Recovery Corporation**
Ferrucci Russo PC
- **Solid Waste Management Plan Update**
(GBB as subcontractor to J.R. Miller & Associates)
Marion County, OR
- **Single Stream MRF Feasibility Study**
Gwinnett Clean & Beautiful, GA
- **Project Development**
Private C&D Contractor, NC
- **Paper Recycling**
(GBB as subcontractor to Booz Allen Hamilton)
U.S. EPA

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GBB Assisting Cayman Islands with Waste-to-Energy and Solid Waste Management Planning

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GBB's experience and understanding of the unique issues that islands present - gained from having worked with other island communities such as the County of Maui, Hawaii, and the U.S. Virgin Islands - were key factors in GBB's selection.



Primary screening equipment includes:
Excavator & bucket loader in use during
mining field tests at George Town Landfill.

"The GBB Project Team combines a unique blend of extensive solid waste management, procurement, and incineration / waste-to-energy expertise, engineering know-how, and local knowledge and presence," noted Sean McGinn, DEH's Assistant Director for Solid Waste. "In addition to exploring avenues to increase recycling and improve our solid waste management operation, our priority is to develop a WTE facility. We look forward to working closely with GBB and APEC on those important projects."

The scope of the project includes implementing WTE for both current waste and burnable waste that can be mined from landfill areas; mining the landfill areas; using stockpiled tires as a supplemental fuel with the mined waste to raise its energy content and to remove the tire piles; implementing recycling processing for mined material, disaster debris, C&D materials, and other recyclables; and advancing the implementation of recycling opportunities for waste generated by residents, resorts, businesses, government, and tourists.

The initial focus of the assignment that started in October 2007 is the development of a waste-to-energy facility to be located on a site adjacent to the George Town Landfill on Grand Cayman. Keeping in mind the Cayman Islands Government's desire to bring about a paradigm shift from the current disposal system to a sustainable and environmentally superior solid waste management system, the objectives for this future incineration system are to: maximize diversion; allow for materials to be mined from George Town Landfill for materials and energy recovery; convert remaining combustible waste to energy products; and minimize land disposal requirements.

"The future solid waste management system for the Cayman Islands needs to change from one of taking and disposing of essentially all materials to one that processes and maximizes diversion of both current and past landfilled/stored materials. This will be a significant challenge to implement," said Harvey Gershman, GBB President.