

Procurement of the Fauquier Co VA C&D Processing/Recycling System

Presented: SWANA Blue Box Feb. 5. 2008
Corpus Christi, Texas

Presentation by: Bob Brickner Executive V-P
Gershman, Brickner & Bratton, Inc.
Fairfax, VA

Fauquier Co. Team...Contract Signed

(Mike Dorsey [ES Dir.] & Sue Monaco [Purchasing])



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Why am I here?

- In Jan. 2006 and March 2006 the County BOS voted to endorse the development of a C&D recycling facility at the County solid waste management complex
- GBB was hired (mid-March 2006) by County to lead the C&D recycling system procurement & negotiations effort (incl. Acceptance Testing of the System)



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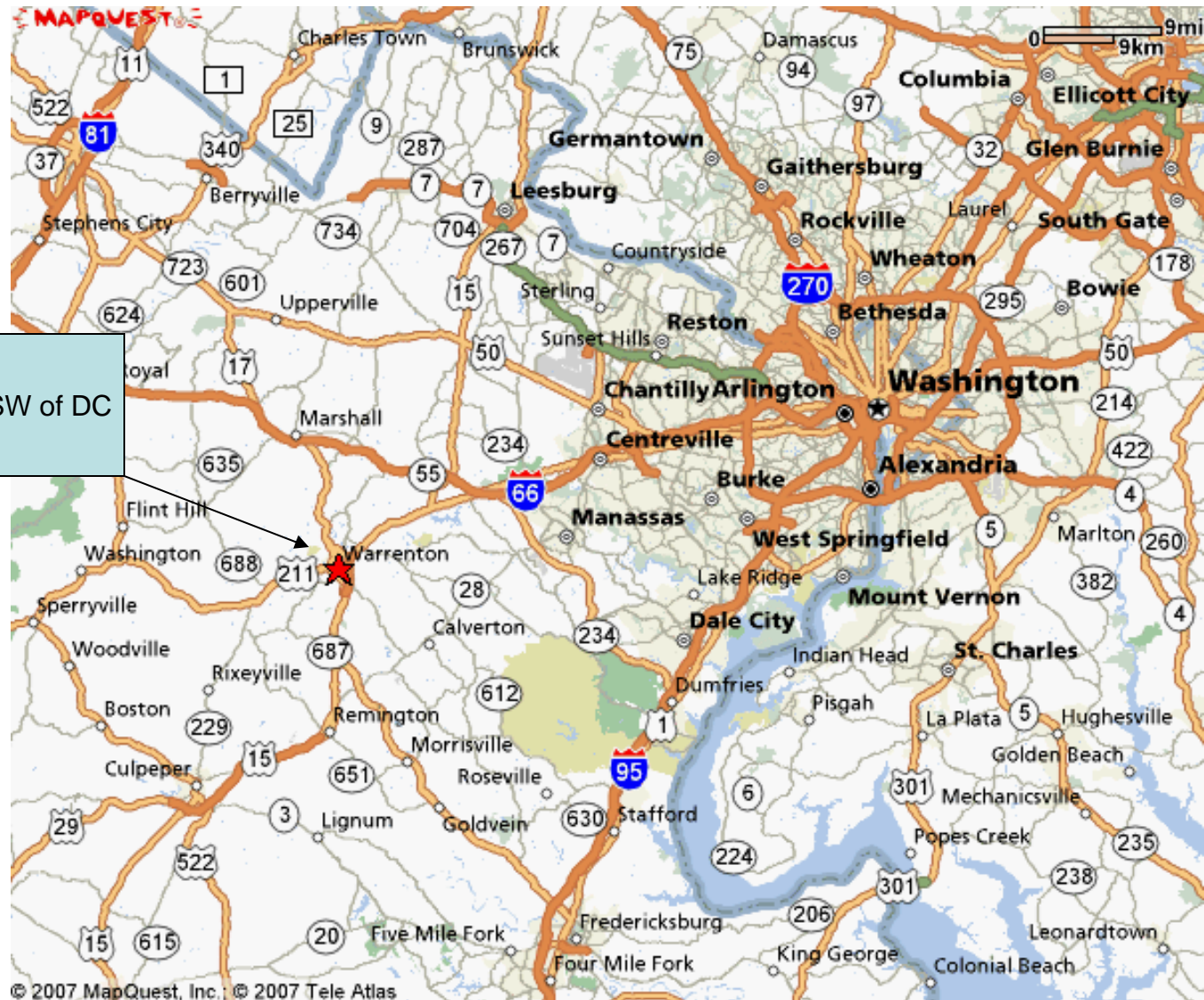
- Bob Brickner was GBB's Project Manager for the overall effort
- Items to be covered in this talk will include:
 - Review of the Project Needs & Specifications
 - RFP Process & Evaluation of Proposals
 - Vendor Interview Process, Short listing & Field Trips
 - Final Selection & Contracting
 - Current Status of Project



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Where is Fauquier County?

45 miles SW of DC



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County Solid Waste Complex

- The County owns a 250-acre solid waste complex and has operated the site since 1990
- Currently has several private sector contractors providing services at the complex
- This complex includes, amongst other functions:
 - a MSW Landfill (Permit 575)
 - a C&D Landfill (Permit 149)



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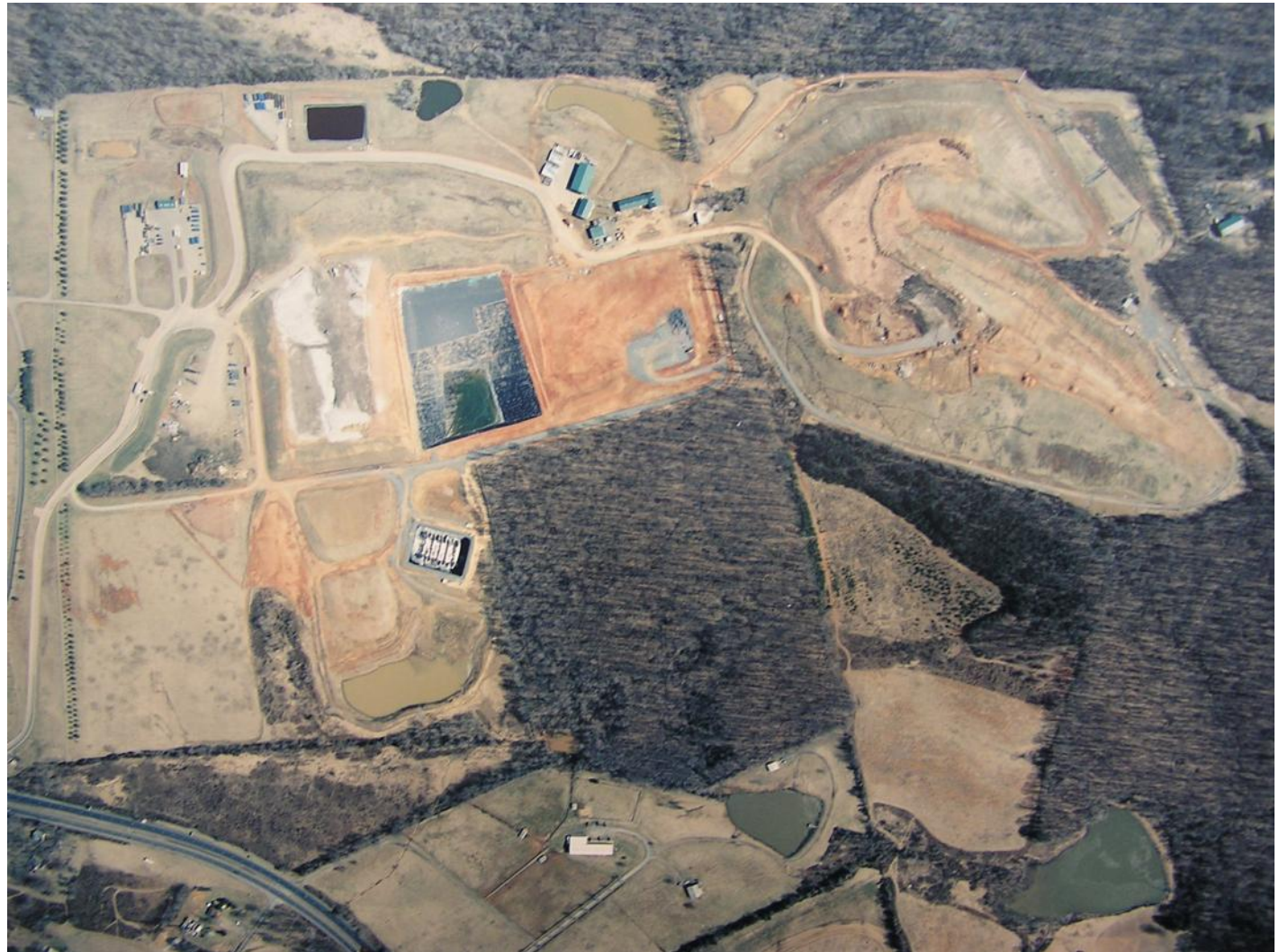
Synergy of Fauquier Co. System

- Operates a MSW landfill – 70,000 tons in 2005
- Operates of a C&D Landfill - 112,000 tons in 2005 from the County and out-of-County sources.
- Operates the scale house
- Receives & recycles of scrap metal & white goods
- Receives and mulches of yard waste at the site.
- Brush & pallet drop-off area w/ grinding operation
- Receives tires for further processing/recycling.
- Accepts clean soils for use at the landfills
- Operates the MRF & citizens drop-off area
- Operates a reuse center
- Privatized LFG recovery system w/power production.



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Fauquier Co. Solid Waste Complex



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C&D Landfill – Nearing Capacity



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Why County Issued the RFP

- Less than one year of C&D waste disposal capacity existed within the C&D Landfill
- The disposal of C&D Waste within the MSW Landfill) was not deemed in the County's best interests.



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Scope of Basic Services

- The County sought Proposals for:
Design, Supply, Installation, Startup and
Acceptance Testing of a C&D Waste
processing/recycling System to demonstrate the
ability of the turnkey equipment system to handle
the level of C&D Waste throughput capacity
proposed/contracted, on a cubic yards per hour
basis;

Note: The County took responsibility for the
marketing of the recovered/processed C&D
Waste constituents and ultimate disposal of any
non-recovered Residuals.



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Key “Front-End” Project Dates

- GBB was interviewed by County, selected, and the March 16, 2006 GBB Proposal to County stated “GBB expects to have private-sector proposals within 75 days of GBB’s formal Notice-to-Proceed”
- RFP Issued by County: April 4, 2006
- Proposals Received: May 18, 2006 (63 days!)
- Proposer Interviews: May 24, 2006
- Facility Tours: May 31 & June 1, 2006
- Contractor Selection Approval by County Board of Supervisors: originally scheduled for June 8 but changed to July 13, 2006



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Permit Requirements

- Commonwealth of Virginia --- Permit by Rule, Materials Recovery Facility

Permit application documents Include:

- Certificate of Design
- O&M Plan
- Unauthorized Waste Program
- Closure Plan

- Fauquier Co. Building Department

- Local Zoning Approval
- Land Disturbance Permit
- Detailed Site Approval
- Construction Permit



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Contact Mr. Ray Riggan, Landfill Manager
(410 222-6108) with any questions.

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Request For Proposal

REQUEST FOR EXPRESSIONS OF INTEREST

Sealed bids will be received until 2:00 p.m. May 19, 2006, and then publicly opened in the Purchasing Department, Administration Building, 100 Ribault Road, Beaufort, SC for the following:

**E01 # 06-01
Expression of Interest Solid Waste**

A pre-proposal conference will be held on April 19, 2006 at 11:00 a.m. in the Executive Conference Room, Beaufort County Administration Building, 100 Ribault Road, Beaufort, SC. All prospective proposers are encouraged to attend. All bidders are encouraged to attend. Specifications and bid documents are available at the office of the Purchasing Department, Administration Building, 100 Ribault Road, Beaufort, SC. Questions should be directed to the Purchasing Director at 252.470-3738. Beaufort County reserves the right to reject all bids and to waive minor irregularities and irregularities. Beaufort County posts all bid opportunities on the County website, www.beaufort.sc.us.

Jonathan Herrington
Chief Financial Officer

Design/Build C&D Processing System

Fauquier County, Virginia located 50 miles southwest of Washington DC seeks to partner with a qualified private contractor to turnkey the design/build of a new C&D processing system located adjacent to the C&D landfill (to close in the spring of 2007) and the MSW landfill. The waste stream consists of approximately 100,000 tons per year of Mixed C&D waste for ultimate recovery/recycling.

Proposers should have a proven track record of C&D waste processing equipment experience including field installation, startup/testing, and operations. In addition, Proposers must demonstrate a reliable financial standing, and strong record of safety and environmental compliance. Fauquier County Request for Proposals (RFP) # 74-060m requests Proposers to present an integrated approach to managing the C&D waste stream including the discussion of a possible rapid startup of a temporary processing system, grinding of residuals into ADC, alternatives and additional units to increase the recycling rate, and discussion of contractor versus County operations.

RFP #74-060m will be issued on April 4, 2006, an on-site pre-proposal meeting will start at 10 a.m. on April 18, 2006, and sealed proposals due until no later than 3:30 p.m., May 18, 2006.

The RFP is available from the County Procurement Division, 320 Hospital Drive, Suite 23, Wornton VA 20186 and may be requested by calling 540-347-8713 or via e-mail van.manoia@faupiercounty.gov.

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Commencement Date of Work

- As of the release of the RFP, the County had already set aside capital funds for the site improvements and the purchase of the C&D System equipment described herein.



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An Alternative Proposal for O&M

An Alternative Proposal was solicited for the Operation and Maintenance (O&M) of the proposed C&D System for two (2) years after the System Acceptance Date, with up to three (3) additional one (1) year options at the sole election of the County.

Note: The County would not accept a proposal solely for the private operation of an C&D System as generally described in the RFP.



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The new C&D System would potentially consist of the following:

- Site management equipment (front-end loader and an excavator with a bucket and thumb)
- Excavator (or alternative feed system conveyor) load the C&D Waste to a screen used for separation of Fines;
- Screen which separates the Fines and distributes the waste materials before discharging the mixed C&D waste materials onto a sorting conveyor.
- Sorting conveyor with a minimum of seven (7) stations per side
- Possibility of a grinding operation to grind the C&D residuals (possibly into an ADC) to conserve space in the MSW Landfill.
- The separated materials will be chute loaded into containers and hauled to other appropriate storage locations within the complex



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System Design Capacity

- The monthly C&D Wastes received during 2005 was 9,134 tons, about 435 tons per day; based on an average 21 days per month operating period (i.e., a five-day work week, M-F)
- Based on these receipts, the County required proposals to be a C&D System with the design capacity of at least 470 cubic yards per hour of mixed C&D waste.



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Permits, Licenses and Certificates

- The Contractor shall, as part of their contract cost, work with the County as the Owner of the C&D System to obtain all required permits, licenses, certificates and inspections, both permanent and temporary.

C&D Facility as Constructed (System is outside at LF, no building)



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C&D Feed Conveyor



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Finger Screen & Fe Magnet



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“Overs” & “Unders” Conveyors



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Collection of Recovered Materials



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Finger Screen In Action



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Added Creature Comforts (Wind Protection, Heaters & Lights)



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Wood Discharge Zone



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Recovered Inerts Container



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Vinyl Siding Being Sorted



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Separated Carpet & Padding



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Recovered Glass & Inerts

Awaiting Crushing into Fines Aggregate Products



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C&D Materials Marketed

Startup – July 1, 2007

- July: 19%
- August: 21%
- September: 30%
- October: 39%
- November: 38%
- December: 46%

6-Month Ave. ending Dec. 31, 2007: 32%
(thus, Residue to Landfill = 68%)

Thank You....any f/u questions

Bob Brickner 703-573-5800

Bbrickner@gbbinc.com



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