Siemens Building Technologies, Inc.  Shaw Industries, Inc.

May 11, 2005
Waste to Energy Plant
Maximum Value for Shaw

• Reduce Cost of Energy
• Shaw Facility becomes more Sustainable
• Reduce Waste Management Costs and Liabilities
• Improved Emissions
• Siemens guarantees all Technical and Economic Performance
Project Specifics

- WTE plant will produce 50,000 pounds/hour of steam, 24/5
- Waste usage:
  1) Up to 15,000 tons per year of Post Industrial Carpet waste
  2) Up to 6000 tons per year of laminate wood flour
  3) Up to 1000 tons per year of Post Consumer Carpet waste
- Shaw’s positive cash flow in the first year approaches $1 million
- Plant to begin operation in fall quarter
Waste to Energy Plant Includes

- Processing equipment to prepare and convey waste streams
- Silos to store prepared fuel
- Conversion Process
- Waste Heat Boiler
- Ash collection
- Interconnect piping, equipment and controls to integrate with plant systems
Stack/Boiler
Ash Silo
Delivers under a single source of responsibility:

- Concept qualification and strategic planning
- Technical design and construction of the conversion process
- Comprehensive service and maintenance
- Monitoring and performance analysis

Guarantees

- Output of Waste to Energy plant
- Consistent quality of steam or other utility
- Cost of utility for contract period
**Waste to Energy Solution**

- **Customer**
  - Provide Waste

- **Siemens**
  - Waste to Energy Plant
    - Design\Build
    - Comprehensive Maintenance
    - Financial program
    - Guarantee performance

- **Customer**
  - Customer Facility
    - “Take or Pay” Arrangement

- **Day-to-Day Operations**

**Jointly Share Activities for 8 to 10 year Term Period**

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Slide 12  
CARE Presentation  
May 2005  

SIEMENS  
Siemens Building Technologies
Siemens supports CARE

- Divert carpet from landfill
- Continue research on utilizing other technologies for recycle/reuse
- Drive industry sustainability

Where you can help
- Collect, accumulate or pool a minimum of 10 million pounds of carpet waste per year