Presidents Climate Commitment
March 13, 2008

Those present: Elizabeth McNabb, Mike Hamm, Scott Messer, Steve Jamison, Anne Lubbers, Preston Miles

RecycleMania Report

Per Capita Classic – 61/154 nationwide, 2/4 Kentucky
Waste Minimization -- 70/82 nationwide, 2/2 Kentucky

Discussion of Proposed Glass Recycling Student project from Endre Nyerges

• Christanna cautions that some ECCO members are currently pursuing glass recycling, possibility of overlap.
• Scott reminds us of safety concerns and the amount of breakage that occurs.
• When bins don’t get emptied, they go into general waste stream.
• Glass currently has no monetary value in Danville.
• There is an existing campus policy discouraging use of glass containers.

• This doesn’t sound like a good project. Consensus.

Presentation by Heapy Engineering

Michael J. Berning, Principal and Director of Sustainable Design, John O’Brien, Project Mgr for Pearl Hall, and Shaun McDonough of Heapy Engineering joined us for a question and answer period.

Currently they are involved in 80 LEED projects across the country and 30 in Kentucky.

Can architects do LEED certification? Yes, but why would they? H & C have qualified architects/engineers but don’t specialize in this work.

Heapy contends that most institutions (e.g. schools and hospitals) are specifying commissioning as a good business practice.

What about LEED-like? Recently, our firm has lost five active projects that have withdrawn from LEED certification But three projects have shown savings in construction costs through efficiencies we have identified.

Was Heapy involved early on Pearl? We became involved late in planning stage, but well before construction. H&C’s designs were generally good, “They did it pretty well”.

Is ground coupled heat pump a LEED point? The geothermal well field is a method and doesn’t get a LEED point per se. The points are awarded based on energy savings, not on the particular method employed. The HVAC for Pearl will score 8 of 10 possible points for energy consumption.

What is the payback for commissioning? Berning estimates that 2-4 year payback. They offer an experienced and qualified staff for commissioning agents.

Operations & maintenance books are part of all projects, but a commissioning agent verifies operation of all systems and the completeness of O& M documentation.

What are the costs of LEED certification? Here are inserted the notes from Anne.

1. Fees paid directly to the U.S. Green Building Council
   - Registration - $450
   - Certification - $1750 (or 3.5 cents/sq ft over 50,000 sq ft)
   - total fees - $2,250

2. Costs for Commissioning (required for certification, but done by outside agents, such as Heapy)
   - Varies with mechanical complexity and cost/sq ft of the building
     - For dormitory building ~ 1% of total cost
     - Heapy said their charge for commissioning for Pearl will be approx $60,000-$70,000.
     - Higher for extensive labs ~ 4%
   - Note: Commissioning is not required for non-LEED buildings, so might seem to be an additional cost. It is good practice for any building, however, because it can drastically reduce the frequency and costs of change orders during construction and call backs after construction. For this reason, it might be desirable to have the building commissioned anyway.

3. Project Management Services
   - This covers documentation and reports.
   - Includes energy modeling. Sophisticated software. Allows pre-construction estimates of gas and electric costs. This is how efficiencies are established.
   - Depend upon length of time Heapy is involved with the project
   - The level of certification sought.
   - Experience of the client.
   - For Pearl Hall the consultation fees are ~$50,000 - $55,000.