Governor's Award

Emory University Facilities Management

Academia Category

DNR Commissioner Lonice Barrett, Governor Roy Barnes, Emory University's Bob Hascall, and P²AD Director Bob Kerr

Emory's winning pollution prevention initiatives focus on sustainable design and construction practices implemented at two building projects - a classroom/lab and a biomedical research facility. Emory's Facilities Management requires all new capital projects to use LEED, a green building rating system of the US Green Building Council. Due to the sustainable design and construction practices implemented in these two buildings, **Emory will save an estimated I Million kWh of energy and reduce water needs by 2.5 million gallons annually**.

In the science building, by requiring a construction waste management plan on-site, 50% of the material normally discarded is being diverted from the landfill. During construction, environmentally preferable products were used when feasible, including ceramic tiles used in walls; flooring that contains between 55-75% post industrial and post consumer material; and fabrics used in acoustical coverings and wall coverings that contain 100% and 78% post industrial recycled polyester, respectively.

In the biomedical research facility, heat wheels installed **will save enough electricity to power 80 GA homes for a year and prevent 2 million pounds of carbon dioxide from entering the atmosphere.** 2.5 million gallons of condensate water from the air handlers will be captured for use in the cooling towers annually, rather than being discharged to the sewer system. Finally, the Robot Washer prevents 100,000 gallons of potable water from being used at the steam plant.

The size and number of projects on Emory's campus that are pursuing LEED are helping to shape and transform the Atlanta market, including architects, engineers, contractors, and manufactures, while helping to encourage the shift to sustainability.