

HOM **ENERGY** **CONSERVATION FAIR 2005**

Lawrence's fifth annual Home Energy Conservation Fair was held on Sunday October 9th at the Douglas County Fairgrounds and coordinated by Waste Reduction and Recycling Division staff. Speakers and workshops scheduled throughout the day provided nearly 400 citizens with information on weatherizing to keep home heating costs low; and energy efficient new home construction, remodeling, and related topics.

Alternatively fueled vehicles, heating and cooling vendors, wind and solar power experts, engineers, architects, and natural home product vendors were among the exhibitors.

Approximately 70 people attended The Douglas County Sustainable Homes Tour, which left from the Fairgrounds to tour four local, efficiently designed or retrofitted homes.



John Craft, Recycling & Resource Conservation Advisory Board member and owner of Kaw Valley Home Care provides a workshop on keeping winter home fuel costs low.



David Dierker and son, of Electric Rider, show off a top-selling electric bike, the Tidal Force, to fairgoers.



Featured speaker Bill Hanlon, author of Outside the Box: Affordable energy efficient construction technique, addresses building for energy efficiency.



Approximately 40 exhibitors displayed at the 2005 Fair.



Effective marketing helped increase foot traffic at the event.

Douglas County Sustainable Home Tour

Sunday, October 9, 2005

Sponsored by the Heartland Renewable Energy Society
\$5 Bus Tours Leave the Douglas County Fairgrounds at 2 PM.

Solar Energy

- Super insulated building envelope
- Passive solar greenhouse
- Solar radiant-floor heat & hot water
- Natural landscaping



Ad-Astra Student
Cooperative House

OPEN HOUSE

4-6 P.M. Details available at the Energy Fair.

- Natural paint and flooring materials used
- High efficiency and zoned HVAC system
- ICF Foundation

Straw Bale Studio

- Straw bale walls
- Earthen Plaster and floors
- Radiant floor heating
- Passive solar design



Passive Solar/Earth Berm/ Greenhouse

- Natural landscaping
- Air-lock entry
- Clerestory windows
- Solar hot water system
- Passive



Energy Efficient New Construction

- ICF foundation
- SIP walls and heavy timber trusses
- High efficiency HVAC system
- Green products throughout
- Heat recovery ventilator and clean air strategies

