
Devens Eco-Efficiency Center

*Facilitating the protection of resources -
for the economy, ecology, and community*

EcoStar – Where It All Started

- Launched in 2005 to support Reuse Plan
- Mission: *Promote sustainable development by integrating economic, social, environmental needs*
- Member benefits include: Walk Through Review, Action Guide, dedicated support, waived fees
- Ability to earn *EcoStar Achiever* designation



Areas of Focus

- Environmental vision, policy statement
 - Pollution prevention assessment, goal setting
 - Business linkages
 - Involving employees, suppliers, customers
 - Water conservation
 - Energy efficiency
 - Green building design
 - Toxics use reduction
 - Materials reuse, recycling
 - Product design, packaging
 - Environmentally preferable purchasing
 - Transportation
 - Business mentoring
 - Climate change mitigation
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Over time...

- Broader participation in programs
- Increased interest in “sustainability”
- Need to expand offerings
- Eco-Efficiency Center created in 2008



The Devens Eco-Efficiency Center's mission is

*to help establishments reduce
operating costs and environmental
impacts by making more efficient
use of resources*

The goal is

to provide education and technical assistance that helps entities make resources – economical, material and ecological – last longer

Education

- Workshops: pollution prevention topics, expert led
- Environmental, Health, Safety Roundtable: discuss trends, practices, mentor, partner
- Compliance University: comprehensive review of federal, state, local environmental regulations
- Green Building Roundtable: share project experience, case studies, site visits



Recycling Services

- Program development, recycle containers, employee education, outreach activities
 - Paper, comprehensive single stream, organics separation
- Use of publicly-accessible containers for cardboard, paper, plastics, bottles, cans
- Can cut waste management costs by as much as 50%



33 Tons
Paper,
Cardboard
Per Year



9 Tons
Plastics,
Cans, Glass
Per Year

The Great Exchange

- Originally planned to be a one-time event in 2007 to redirect excess inventory and reusable materials
- Currently average of 30 entities, across and out of state, exchanging routinely
- ~75 tons of “waste” diverted annually, saving \$50,000+ in avoided operational costs

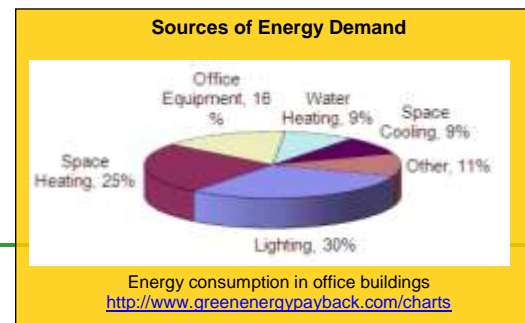


One firm's waste is another's treasure



Energy Efficiency Services

- Outreach materials, conservation campaigns
- Kill-a-Watt demo, calculations of potential savings
- Performance benchmarking with Portfolio Manager
- Facility assessment, comprehensive report
 - Industrial Assessment Center (federal program)
- Can decrease annual energy cost by 25%



Some Program Outcomes

- Many collaborations, partnerships and mentor relationships established at roundtables
 - Giftware manufacturer achieved zero-waste goal, reduced operational costs and increased market share
 - Food manufacturer lowered waste disposal costs by 35% with Great Exchange participation
 - Aerospace systems manufacturer identified no-cost energy conservation and efficiency measures that could save \$86,000+ /year from facility audit
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Other “Eco” Activities



*Community
Betterment
Projects*



*Educational
Tours*



*Sustainability
Fairs*

*Regional
HHW
Collection
Center*



Special Recognitions

- Awards from local, state and regional entities
 - Commonwealth of Massachusetts, 2005
 - Worcester Business Journal / Mass Audubon, 2006
 - Commonwealth of Massachusetts, 2007
 - U.S. EPA, New England, 2008
 - Environmental Business Council of New England, 2010



To learn more:

Dona Neely, Executive Director

Devens Eco-Efficiency Center

978-772-8831 x3304

donaneely@ecostardevens.com

www.ecostardevens.com