
Devens Eco-Efficiency Center

A 501(c)3 non-profit organization created in 2007

Our mission is

to help establishments reduce environmental impacts and operating costs by delivering education, enabling collaboration and providing technical assistance

Our goal is

to help entities make resources – economical, material and ecological – last longer



EcoStar – Flagship Program

- Member benefits include: Walk Through Review, Action Guide, Dedicated Support
- Ability to earn *EcoStar Achiever* designation
 - Commitment leads to competitive advantage
 - Requires improvements in 15 areas
 - Voluntary, non-regulatory and non-prescriptive



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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EcoStar Members



Safety Associates



MD Eco Build



Francis W. Parker Charter Essential School



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
- 30 entities, across and out of state, exchanged in 2010
- Last 12 months: ~60 tons of “waste” diverted, ~\$50,000 operational costs avoided

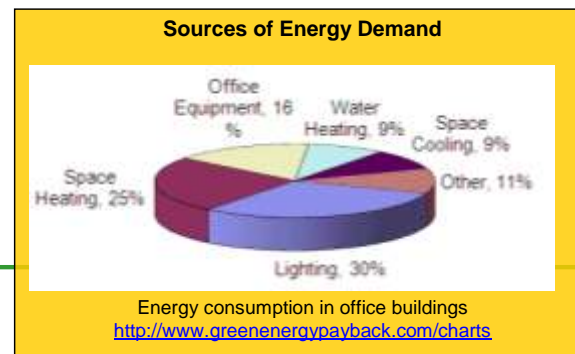


Treasures, treasures everywhere



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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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



Other “Eco” Activities



*Community
Betterment
Projects*



*Educational
Tours*



*Sustainability
Fairs*



*Regional
HHW
Collection
Center*

To learn more:

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