

Energy Efficiency Initiatives

Bruce Doueck, August 2011

ENERGY EFFICIENCY



Major Efficiency Initiatives

- ShopSmart & InvestSmart efficiency rebate programs
- Limited time – low cost *efficiency evaluations & EE loans*
- Public Library - Home Energy Evaluation kit
- Savings Without Sacrifice - Train the Trainer
- Jacksonville Green Map
- Free education materials - k-12 educators
- Partnerships: JU MSRI/MOSH/Tree Hill /USGBC
- Event calendar
 - Home Energy Makeover Expo & contest – 9/1 to 10/2
 - Blower Door Parties
 - Contractor training

Some Partnerships

- Jacksonville Public library – backpacks
- JU – MSRI *'Partners in Conservation'*
- Tree Hill – *Energy Detective [5th grade]*
- School Board – Green Champion partner
- COJ – EECBG Grants, etc
- USGBC – SRC, GTP, Green Map
- UNF – Green Map, etc
- Green Team Project
- And the list goes on...



Home Energy Evaluation Kit - Library Backpack

Home Energy Audit Backpack List

1. Infrared thermometer - \$80.28
<http://www.inspectortools.com/product-p/fl2433868.htm>



2. Kill-a watt meter - \$24.87ea (3ea = \$74.61)
http://www.homedepot.com/h_d1/N-5yc1vZ1xpe/R-202196388/h_d2/ProductDisplay?langId=-1&storeId=10051&catalogId=10053



3. Hygro-thermometer - \$35.99
<http://www.professionalequipment.com/extech-big-digital-hygro-thermometer-445703/hygrometers-psychrometers/>



4. Calculator - \$3.53
<http://www.discountofficeitems.com/technology/office-machines-electronics/calculators/handheld-calculators/sharp-digit-handheld-calculator/p50079.html?kwid=9c677175f8524c7aac5a026110903d1&sku=SHREL243SB>



5. Tape measure - \$10



6. 12" wood/plastic ruler - \$1
<http://www.ecrater.com/product.php?pid=847660>



Approximate cost per backpack \$275 each

Green Map for Jacksonville



<http://www.opengreenmap.org/greenmap/jacksonville>

Jacksonville | Open Green Map - Windows Internet Explorer

http://www.opengreenmap.org/greenmap/jacksonville

File Edit View Favorites Tools Help

☆ Favorites | Web Slice Gallery | CSLInvt52011v2.jpgforwe...

Quest - JEA Intranet | Quest Diagnostics: Patient S... | Jacksonville | Open Gree... X

View Map | About | Join Map Team | Suggest a site

Map | Satellite | Hybrid | Terrain

Legend | Info | Search

Green Map Icons

- Sustainable Living
- Nature
- Culture and Society

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Green Map

- Jacksonville Green Map highlights what we as a community are doing to achieve sustainability
- Created on the Open Green Map, is part of a global movement to connect communities with green living resources, nature, culture
- Recruiting *Content Coordinators* for areas of focus
- Study your neighborhood area of interest to
 - Nominate candidate entries
 - Document with address or geo-code
- www.GreenMap.org



New Educational Initiatives & Resources

- **GoGreen” for elementary schools**

JEA theater presentation for elementary schools

To schedule for your school, call Michelle Petty at 665 - 7697

- **Science Screen Report [SSR] for elementary and secondary schools**

A series of 16 educational DVD's that are produced each year to bring the story of today's scientific and technological developments to students in a positive and objective manner. www.ssrvideo.com

- **Green Map for high schools**

The Jacksonville Green Map highlights what we are doing to achieve environmental and human sustainability. www.GreenMap.org

- **Green Team Project [GTP] for high schools**

The Residential Program focuses on individual households with a goal of making it easy & fun for people to save money by reducing their impact on the environment <http://www.greenteamproject.org/Duval%20index2.htm>

Savings Without Sacrifice

Train the Trainer

- Trainers are provided
 - PowerPoint
 - PDF factsheets
 - Visual aid kit
 - Training updates
 - Technical support
- Trained over 20 non-profit & govt. agencies
- Over 200 trainers trained

Host a Home Energy Party!

- **Host a Home Energy Party & Receive a Free Home Energy Assessment**
- Based on the Tupperware party of old, a Home Energy Party is fun way to learn about whole house solutions to saving energy, and improving indoor air quality and the durability of your home.
- Get a free home energy assessment (up to \$500 value) for hosting a Home Energy Party for a group of your friends and neighbors.
- For homeowners whose homes were built prior to 2000





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ShopSmart with JEA

- Energy Efficient Products Program (EEP)
- Neighborhood Energy Efficiency Program (NEE)
- Home Energy Upgrades
- Solar Incentive Program
- Green Built Homes of Florida

Home Energy Upgrades

- **HVAC**—(Heating, Ventilating and Air Conditioning)
 - Total System Replacement
 - Duct Repair
- **Insulation**—(including attic air sealing)
- **Window Film**



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Business Energy Upgrades

Provides energy savings for commercial customers who purchase high efficiency equipment for:

- Lighting
- HVAC
- Building Envelope
- Refrigeration
- Food Service
- Water Heating

- **Custom Business Energy Upgrades**—larger, more complex projects that are not covered under Business Energy Upgrades
- **Small Business Energy Upgrades**—turnkey energy upgrades for smallest commercial customers
- **New Construction** — 2012

ARRA Funded Energy Efficient Evaluations & Financial Assistance

■ Energy Efficiency Evaluations

- JEA “buy down” the price of energy evaluations and provide a list of pre-approved energy professionals to perform the audit.

■ Financial Assistance

- JEA is partnering with local lending institutions to offer our customers low interest financing on their home or business energy upgrades..

Energy Efficiency Evaluations

■ Residential

- Buy down of 25% up to \$150
- Remaining 75% rebated upon completion
- Projected savings must be > 15%

■ Commercial

- 50% of audit cost up to \$2,500 [paid post retrofit]
 - Must be at least 15% projected savings
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- Auditor selected from approved list by customers

EE Financing

■ Residential

- Buy down cost of 6% interest up to \$5,000 cap
- Requires audit & quote
- 15% *projected* energy savings required

■ Commercial

- Buy down cost of 6% interest up to \$20,000 cap
- Requires audit/custom project documentation
- 15% *projected* energy savings required
- Incentive paid to financial institutions on approved list

Home Energy Makeover Contest, September 1st to October 7th

Home & Patio, September 29th to October 2nd
Theme: Home Energy Makeover



Contact Information

www.jea.com