

Energy Watch

April 2010

<http://www.attardimarketing.com/energywatch/>

Listen to both sides with an open mind to determine the truth as best we can.....we still may not find the truth but the truth at least has a chance.

We insist on teaching students our past, when, in fact, we should be teaching them their future!
Albert Gardner

Love is when Mommy gives Daddy the best piece of chicken. Elaine - age 5

Something to Think About...

Words to Live By - Mother Teresa

People are often unreasonable, illogical, and self-centered;
Forgive them anyway.

If you are kind, people may accuse you of selfish, ulterior motives;
Be kind anyway.

If you are successful, you will win some false friends and some true enemies;
Succeed anyway.

If you are honest and frank, people may cheat you;
Be honest and frank anyway.

What you spend years building, someone could destroy overnight;
Build anyway.

If you find serenity and happiness, they may be jealous;
Be happy anyway.

The good you do today, people will often forget tomorrow;
Do good anyway.

Give the world the best you have, and it may never be enough;
Give the world the best you've got anyway




You see, in the final analysis, it is between you and God;
It never was between you and THEM anyway."



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NATIONAL ENERGY ISSUES TO WATCH.....

1. **A BILL S. 3059: To Improve the Energy Efficiency of Appliances, Lighting, and Buildings, and for Other Purposes** - Proposed in the Senate 3/2, this Act may be cited as the ‘‘National Energy Efficiency Enhancement Act of 2010’’. SEC. 6. OUTDOOR LIGHTING pages 28 to 59. IES believes that this is an appropriate time to publicly declare its support for the bill, and specifically Section 6 which represents a consensus provision that would set, for the first time, federal efficiency requirements on certain outdoor pole-mounted luminaires.  S 3059.pdf
2. **A BILL S. 3079: Building Star Energy Efficiency Act of 2010** - Proposed in the Senate to assist in the creation of new jobs by providing financial incentives for owners of commercial buildings and multifamily residential buildings to retrofit their buildings with energy efficient building equipment and materials and for other purposes. This Act appropriates \$6 billion for the period of fiscal years 2010 and 2011, to remain available until expended. Lighting is addressed on pages 7, 9, 21, 23 and 24.  S 3079.pdf
3. **A BILL S. 3177: To Provide for the Establishment of a Home Star Retrofit Rebate Act of 2010**  S 3177.pdf
4. **NAESCO Endorses Building STAR Proposal** - The National Association of Energy Service Companies (NAESCO) has joined a coalition of 80 contractor groups, unions, manufacturers, businesses, financial services companies and energy efficiency advocates to advance the adoption of Building STAR. It is a package of rebates and financing incentives for building owners to upgrade their property's energy efficiency, leveraging additional private-sector investment. It is estimated that the prospective \$6 billion in funding for the Building Star program would spur \$18 to \$24 billion in total program spending, creating up to 200,000 jobs, particularly for the hard-hit construction industry, as well as manufacturing and other industries. For more information about Building STAR: http://www.naesco.org/documents/Building_STAR_Fact_Sheet.pdf
5. **NEMA Publishes SSL Dimming Best Practices White Paper** - National Electrical Manufacturers Association (NEMA) has published LSD 49-2010, "Solid State Lighting for Incandescent Replacement: Best Practices for Dimming." This new white paper, produced by NEMA's Solid State Lighting Section, provides recommendations for the dimming and design of screw-based incandescent replacement solid state lighting (SSL) products. The main objective of the paper is to encourage coordination among control, power supply, and LED module manufacturers to achieve desired performance and product harmonization throughout the market. LSD 49 may be downloaded at no charge: <http://www.nema.org/stds/lsd49.cfm> This publication joins 37 other white papers in the NEMA LSD series, which covers a range of lighting topics. Other parts of the series cover topics such as ballast disconnects, occupancy sensors, and photoluminescent exit signage. To view a comprehensive list of NEMA LSD white papers: <http://www.nema.org/stds/lsd.cfm>
6. **DOE Sets New Energy Star Criteria for CFLs** http://apps1.eere.energy.gov/news/news_detail.cfm/news_id=11628

Comparison between Incandescent Bulbs and CFLs

Incandescent Bulbs (watts)	Light Output (lumens)	Common CFLs (watts)
40	450	9 to 13
60	800	13 to 15
75	1,100	18 to 25
100	1,600	23 to 30
150	2,600	30 to 52



7. **Standard 189.1 to Provide a Strong Foundation for High-Performance Green Buildings** - A new standard for the design of high-performance green buildings is set to revolutionize the building industry. Published by ASHRAE, in conjunction with IES and the USGBC, Standard 189.1, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, is the first code-intended commercial green building standard in the United States. The standard provides a long-needed green building foundation for those who strive to design, build and operate green buildings. From site location to energy use to recycling, this standard will set the foundation for green buildings through its adoption into local codes. It covers key topic areas similar to green building rating systems: site sustainability, water use efficiency, energy efficiency, indoor environmental quality and the building's impact on the atmosphere, materials and resources. For complete information on the standard visit www.ashrae.org/greenstandard
8. **EMCOR Awarded GSA BPA for Comprehensive Energy Services** - EMCOR Energy Services, Inc. was recently awarded a nationwide Blanket Purchase Agreement (BPA) to provide comprehensive energy services for the General Services Administration (GSA). EMCOR Energy Services was one of 19 organizations to be awarded a BPA by the GSA, one of the world's largest building managers. The companies listed below have been selected as the first round Comprehensive Professional Energy Services (CPES) Blanket Purchase Agreement (BPA) Holders:
- Ameresco
 - Boreal Energy Services
 - Constellation Energy
 - DEI Consulting
 - Ecology and Environment
 - Enviro-Management & Research
 - Steven Winter Associates
 - Tetra Tech EM
 - Versar, Inc.
 - AMEC Earth and Environmental
 - Engineering Economics
 - Novi Energy Team
 - SCS Engineers
 - Sain Engineering
 - Shaw Environmental
 - TEC, Inc.
 - Working Buildings
 - Geo-Marine, Inc.
- http://www.gsa.gov/Portal/gsa/ep/contentView.do?contentType=GSA_BASIC&contentId=28939&noc=T
9. **Construction Unemployment Rate Hits 27.1% as Another 64,000 Construction Workers Lost Jobs in February 2010** - The construction unemployment rate jumped to 27.1% and construction employment dropped to a 14-year low as another 64,000 construction workers lost jobs in February, according to federal employment figures released recently. <http://ecmweb.com>
10. **LEDs: More Than Just Energy Efficient** - Special effects in which they are being used in a Florida home include:
- ⚙ A pressure sensor installed underneath the carpet trips whenever the owners get out of bed and signals LEDs fitted on the bottom of bed frame and within a chair rail on the wall to activate.
 - ⚙ Colored LED lights embedded within an onyx bathtub foster relaxation. The color of the lights can be controlled to suit the owners' mood.
 - ⚙ Interesting ceiling treatments like faux painting, coffers and beams are highlighted with colored LED bulbs.
 - ⚙ LED lights installed within a cove ceiling simulate sunrise and sunset.
 - ⚙ Embedded into tiles, LEDs make the floor glow from beneath.
- http://www.electronichouse.com/article/leds_more_than_just_energy_efficient/

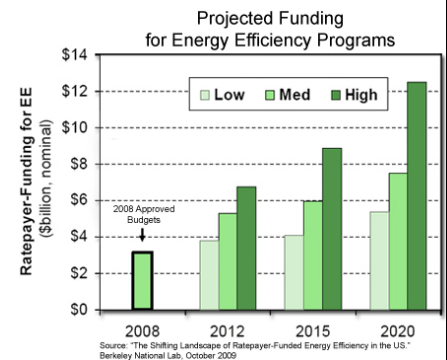


11. BCAP Officially Launches New Website: OCEAN - The Building Codes Assistance Project launched the beta version of its new website **OCEAN: Online Code Environment & Advocacy Network**. OCEAN is an interactive, Web-based resource designed to share lessons learned, best practices, educational resources and key facts as they relate to building energy code adoption and implementation. By creating a virtual community of designers, builders, manufacturers, regulators, advocates and an array of other organizations involved in building energy codes, OCEAN provides valuable, reliable information based on the experience of its users. www.bcap-ocean.org



12. New Lamp Labeling Requirements Being Considered by the FTC - The Federal Trade Commission (FTC) is considering changes to the labeling on lamps and their cartons as a result of new CFL and LED technologies being applied to general service screw-in lamps. The current labels lists light output in lumens, rated life in hours and “energy” in watts. The FTC is proposing to add information about color appearance, voltage (if the lamp is for other than 120 volts) and, if CFLs are involved, mercury disclosure and disposal instructions. The format will change from a single information box to a two-panel arrangement, with one panel entitled “Lighting Facts”. <http://www.lightrays-digital.com>

13. Rebate Programs are Projected to Grow Dramatically - Energy efficiency programs have increased rapidly the past few years, expanding in both funding levels and geography. In 2009, US utilities increased their spending on energy efficiency programs by 43% according to the Consortium for Energy Efficiency. While that number seems impressive, projections show that by 2020, funding may grow to 250-400% of 2008 levels. That means in 2020, utilities will be offering \$5.4 - \$12.4 billion to customers who want to improve their energy efficiency. Geographically, rebates for commercial lighting are spreading out to more parts of the US, and are growing more popular in the Southeast and South Central US. Now, organizations in 47 states have rebates for energy efficient lighting in non-residential applications, covering almost 70% of the zip codes in the US. <http://www.briteswitch.com/newsletter/Mar10-1.html>



14. Q4 & Calendar 2009 Sales for Public Distributors - With Graybar’s release of its results, TedMag can now complete this table. <http://www.tedmag.com>

Recent Results of Various Public Distributors				
Company	2009 Sales	Change—2008	Q4 2009 Sales	Change/Q4 2008
Grainger	\$6.22 billion	- 9.2%	\$1.634 billion	+ 2.6%
Anixter	\$4.98 billion	- 18.8%	\$1.217 billion	- 16.5%
WESCO	\$4.62 billion	-24.3%	\$1.133 billion	- 20.8%
Graybar	\$4.38 billion	-18.9%	\$1.074 billion	- 13.9%
Rexel (U.S.)	\$3.32 billion	- 31.9%	\$747 million	- 29.9%



15. 40th Anniversary of Earth Day April 22, 2010 -

16. Lighting Fundamentals - Learn the fundamentals of architectural lighting. This online course can be started at any time and completed on your own schedule. The class consists of six recorded 90-minute Web seminars and weekly lessons and assignments. After you view the recordings, you can ask questions via online forums and chat rooms, making for a truly interactive learning experience. Participants will finish the course with a clear understanding of the basics of lighting and lighting vocabulary and a better understanding of lamps and luminaires, color characteristics, lighting design criteria, and other lighting topics. Instructor Craig A. Bernecker, Ph.D., FIESNA, LC, founder of The Lighting Education Institute, directed the lighting education program within the Department of Architectural Engineering at Penn State University from 1981 through 1999. Cost: \$575, including all web seminars, access to the dedicated website and course materials. <http://www.lightingeducation.com>

17. EPA, DOE Announce New Steps to Strengthen ENERGY STAR - The EPA and DOE have launched a two-step process to expand testing of ENERGY STAR qualified products:

- ⚙ DOE began tests this week on six of the most common product types: freezers, refrigerator-freezers, clothes washers, dishwashers, water heaters and room air conditioners. These product types account for at least 25% of a typical homeowner's energy bill. DOE will test approximately 200 basic models at third-party, independent test laboratories over the next few months.
- ⚙ The EPA and DOE are also developing an expanded system that will require all products seeking the ENERGY STAR label to be tested in approved labs and require manufacturers to participate in an ongoing verification testing program that will ensure continued compliance. 3/20 Comtex

18. GAO Investigation Found Fake Products Won Energy Star Labels - When you see the Energy Star seal on a product, you assume you are saving energy – and money. That has now been questioned after an undercover investigation by the Government Accountability Office (GAO). The investigation showed the government's 18-year-old Energy Star program may be awarding the label to products that don't deserve it. The GAO set up fake companies -- and found it was easy to get the Energy Star rating for their fake products because there is very little verification. The government says it will now start testing products before awarding the coveted Energy Star seal. 3/26 ABC News

19. ENERGY STAR Integral LED Lamps: Frequency Amendment - On January 22nd the EPA issued a proposal to revert the minimum LED Operating Frequency requirement in the ENERGY STAR Integral LED Lamps specification to 120 Hz, the value proposed during the specification development process. EPA on March 22, 2010 is amending this specification accordingly; below please find links to the amended specification and the cover letter explaining the decision. [Cover Letter](#) by Alex Baker [ENERGY STAR Integral LED Lamps V1.1](#)

20. Biden and Chu Visit Cree - Vice President Joe Biden and Energy Secretary Steven Chu plan to visit the headquarters and factory of Cree Inc. on Thursday. The Durham-based company has hired about 375 workers since last summer to design, produce and sell its energy-efficient lighting. The White House says boosting manufacturing in renewable and energy-efficiency technologies like Cree's light-emitting diodes will create jobs for products growing in demand as worldwide pressure builds to use fewer fuels blamed for global warming. Cree is getting \$39 million to boost production of LEDs. 3/17 AP



- 21. *Emerging Lighting Technologies and Global Market (2009-2014)*** - The global emerging lighting technologies market is expected to be worth \$109.2 billion by 2014, growing at an estimated CAGR of 8.1% from 2009 to 2014. Fluorescent lighting forms the largest market segment; and is expected to reach \$82.6 billion by 2014 at a CAGR of 7.9% for the same period. North America is the largest emerging lighting market; and is expected to be worth \$42.8 billion by 2014, accounting for nearly 39% of the total revenues. Europe is the second largest segment and is expected to reach \$36.9 billion by 2014. However, Asia is the fastest growing market and is poised for a high growth of 8.9% for the next five years. This report aims to identify and analyze emerging lighting products according to product, application, and technology and in-depth market estimates and forecasts for global emerging lighting markets. For more information click on: http://www.researchandmarkets.com/product/4d1cb3/emerging_lighting_technologies_and_global_mar
- 22. *European Energy Efficient Lighting Markets 2010*** - The energy efficient lighting market has undergone a period of rapid change in the last five years. The EU drive for greater energy efficiency has been the main driver for this with new legislation and public pressure causing the lamps market to move towards more energy efficient units. The research analyses in depth the major geographical hotspots like the UK and Italy and looks deeper into each of the major energy efficient lighting technology from CFLs and LEDs to Halogen lamps. The end user segments have also been analyzed for each technology, from residential to commercial and public sectors. Competitive analysis has been done on each technology, with market shares of top competitors analyzed and explained. This Frost & Sullivan research service titled European Energy Efficient Lighting Markets provides an in-depth analysis of the competitive landscape while detailing key market and geographic trends. A sample for this product is available. [Login/Register](#) to download this sample. http://www.researchandmarkets.com/product/f34adc/european_energy_efficient_lighting_markets_20
- 23. *Researchers Study Demand-Responsive Dimmable Lighting*** - by Craig DiLouie, Lighting Controls Association. Demand response is now beginning to be required by codes and standards—in particular, at present, California’s Title 24-2008 energy code and ASHRAE 189.1 standard for designing high-performance green buildings. To reduce peak demand with lighting, we can turn it off, turn it down or use it more efficiently. Since lighting is critical for productivity and safety in many indoor spaces, turning it down instead of off is usually more desirable. Dimmable lighting therefore has a strong potential role to play in demand response. Researchers at NRC-IRC put this notion to the test, conducting a study to determine how far, how fast and over what period lighting can be dimmed before occupants notice and are adversely affected. Read this special report: http://www.aboutlightingcontrols.org/education/papers/2010/2010_demand-response.shtml
- 24. *Tracing the Demise of Cap and Trade*** - Senator John Kerry’s partner in promoting global warming legislation, Senator Lindsey Graham, Republican of SC, pronounced economy wide cap and trade dead last month and has since been working on trying to patch together a bill that satisfies the diverse economic, regional and ideological interests of the Senate. That plan, still being written, will include a cap on greenhouse gas emissions only for utilities, at least at first, with other industries phased in perhaps years later. It is also said to include a modest tax on gasoline, diesel fuel and aviation fuel, accompanied by new incentives for oil and gas drilling, nuclear power plant construction, carbon capture and storage, and renewable energy sources like wind and solar. Why did cap and trade die? The short answer is that it was done in by the weak economy, the Wall Street meltdown, determined industry opposition and its own complexity. Opponents of this bill say it is potentially a \$3 trillion tax, which is pretty steep in the best of times, and poison in the worst of times. 3/26 NY Times



- 25. 2010 DOE SSL R&D Workshop Report Posted** - The U.S. Department of Energy has published the summary report from the 2010 DOE Solid-State Lighting (SSL) R&D Workshop, held February 2–4 in Raleigh, North Carolina. A PDF copy of the report may be downloaded from the DOE SSL Web site at www.ssl.energy.gov/raleigh10_materials.html
- 26. DOE Publishes Updated SSL R&D Plan** - The U.S. Department of Energy has published the March 2010 edition of the Solid-State Lighting (SSL) R&D Multi-Year Program Plan (MYPP). The report provides a description of the activities the Department plans to undertake over the next several years to implement its SSL mission. The document reviews SSL technology status and trends for both light emitting diodes (LEDs) and organic light emitting diodes (OLEDs), and offers an overview of the current DOE SSL R&D project portfolio. To download a PDF copy of the updated Plan, go to: www.ssl.energy.gov/techroadmaps.html
- 27. Lights Out on Incandescent Bulb Production at Toshiba** - Toshiba ended production of mass-market incandescent light bulbs on 3/17/10, putting to a close a 120-year manufacturing history of the products. The company, which is one of Japan's largest makers of lighting products, had planned to halt production next year but brought up the date by a year. It will now focus on more energy efficient products including LED lights, which draw a fraction of the power of incandescent bulbs. http://www.pcworld.com/article/191694/lights_out_on_incandescent_bulb_production_at_toshiba.html
- 28. Home Star Bill Introduced in Senate** - The Home Star program moved closer to law on March 26 when it was formally introduced to the U.S. Senate as the Home Star Energy Retrofit Act of 2010. The bipartisan bill will now move to the Finance committee for mark-up and consideration. At stake is \$6 billion in federal funds to create an estimated 168,000 jobs and, at the same time, retrofit houses with energy-saving insulation, doors, windows, hot water heaters, roofing and HVAC systems. Consumers will receive rebates at the point of installation from contractors, who will then be reimbursed by the federal government. SB 3170 also contains funding for states to help consumers fund retrofit projects. 3/31 HCN
- 29. New-Home Sales Hit Record Low** - New-home sales for February declined 2.2% to a seasonally adjusted annual rate of 308,000, a record low. The February number released by the DOC was 13.0% below the February 2009 new-home sales rate of 354,000. 3/24 HCN
- 30. The Eagle has Landed: Xicato Names Successful Industry Veteran Dave Levinson as VP Sales, North America** - With Dave Levinson joining Xicato, effective February 1, 2010, the company expands its senior management ranks with additional seasoned executives from the lighting industry. In this role, Levinson will be responsible for leading Xicato's commercial organization in the U.S. and Canada, with specific focus on LED development of Xicato's OEM partners, end-user and specification markets. Levinson comes to Xicato from Philips Lighting Electronics (Advance) in Rosemont, Illinois where he most recently served as VP & GM of the Fluorescent Electronics Business Line. Prior to this role, Levinson held senior executive leadership positions with Philips over the past 18 years, including Vice President of Marketing & Product Management and Vice President of Distribution Sales. Levinson brings broad lighting industry experience, a successful track record and a strong background in multi-channel distribution. www.xicato.com
He made me say all this stuff.....





31. **Lightfair International 2010** - The Lightfair International 2010 Tradeshow and Conference will be held from May 12-14 in Las Vegas. Tracks for conference speakers include lighting design, professional development, building integration, sustainability, and technologies. For more information and to register: <http://www.lightfair.com/lightfair/V40/>
32. **Cooper Lighting Announces Major Launch of LED Outdoor Products** - Cooper Lighting has announced the introduction of one of the industry's largest LED outdoor product offerings providing relevant LED solutions for Streetlighting, Area/Site, Wall Mount, Parking Garage, Canopy and Pathway applications. The initial rollout includes 16 new energy-efficient luminaires featuring Cooper Lighting's patent pending modular LightBAR™ technology and AccuLED™ Optics. The new outdoor luminaires, which can provide up to 75% in energy savings over traditional HID outdoor sources, are represented across four of Cooper Lighting's company brands: Invue, McGraw-Edison, Lumark and Streetworks. <http://www.cooperlighting.com/>
33. **2010 DOE Solid-State Lighting Manufacturing R&D Workshop April 21-22, 2010 • San Jose, CA**
 Share updates on technology progress and trends. Learn about the first round of DOE-funded manufacturing projects. Re-examine priority topics in the DOE SSL Manufacturing R&D roadmap, and propose changes or updates. Learn more about federal funding opportunities, and network with our nation's leading lighting experts. <http://www1.eere.energy.gov/buildings/ssl/sanjose2010.html>
- Learn about SSL manufacturing trends in Asia, Europe, and the U.S.
 - Explore the impact of infrastructure on global manufacturing decisions
 - Examine the discipline of design for manufacturing
 - Assess U.S. manufacturing equipment and infrastructure needs
34. **NAESCO Webinar ARRA Funding - Where Are We Now?** - April 28, 2010 - 2:00 pm - 3:00 pm EDT for ESCOS and Energy Efficiency Businesses, members and non-members. Learn more about the status ARRA funds dedicated to energy efficiency - how they will affect your business and how you can stay on top of any applications your company has in place with the relevant government entities. Donald Gilligan, President of the NAESCO will provide updates and guidance on funding from the SEP and/or EECBG programs. <http://www.naesco.org/events/webinars/2010-04-28/>
35. **Performance Contracting + Energy Cost Control AEE Online Seminars** - registrar@aeecenter.org
- | | |
|---|--|
| <p style="text-align: center;"><u>Pitfalls & Profits in Performance Contracting</u></p> <p style="text-align: center;">Instructed by Dr. Shirley Hansen</p> <p style="text-align: center;">An 8-Hour Distance Learning Seminar
 Earns 0.8 CEU / 8 PDH
 Presented in four live 2-hour online sessions
 New Program Starts May 17</p> | <p style="text-align: center;"><u>Energy Cost Control: How the Money Works</u></p> <p style="text-align: center;">Instructed by Christopher Russell, C.E.M., C.E.P.</p> <p style="text-align: center;">A 2-Hour Distance Learning Seminar
 Earns 0.2 CEU / 2 PDH
 Presented in one live 2-hour online session
 New Program Starts May 21</p> |
|---|--|
36. **Alliance to Save Energy** <http://eeGLOBALforum.org/registration.html>



STATE ENERGY ISSUES TO WATCH.....

37. *EPA Issues Second Annual Ranking of U.S. Cities with the Most Energy-Efficient Buildings -*

The U.S. Environmental Protection Agency (EPA) released a list of U.S. metropolitan areas with the largest number of energy-efficient buildings that earned EPA's Energy Star in 2009. The Top 10 are Los Angeles; Washington, D.C.; San Francisco; Denver; Chicago; Houston; Lakeland, Fla.; Dallas-Fort Worth; Atlanta; and New York. For the list of the top 25 cities in 2009 with Energy Star labeled buildings, visit: http://www.energystar.gov/ia/business/downloads/2009_Top_25_cities_chart.pdf
<http://ecmweb.com/ezone/most-energy-efficient-buildings-20100323/>

38. *New State Programs Are a Huge Opportunity -* Certain parts of the country have these beneficial tax credits for customers who participate in energy efficient lighting projects. These programs are scattered throughout the US, but can be quite significant. Even better, these credits are ON TOP of any utility rebates or the Federal EPAct tax deduction for which you may be eligible. State tax credits work differently than the EPAct tax deduction that most people are familiar with. While a tax deduction takes money off your taxable income (so the value depends on your tax bracket), a credit lowers your tax bill dollar for dollar. <http://www.briteswitch.com/newsletter/Mar10-2.html>

39. *Energy Code Ambassadors Launches in Four Pilot States -* BCAP and the International Code Council (ICC) have teamed up to create **Energy Code Ambassadors**, a program that will benefit code officials who want to take a leading role in energy-efficient buildings and help drive the national movement towards more energy-efficient buildings and homes. Initially, the program will be launched in **four pilot states**: New York, Kentucky, Illinois and Idaho. These states were selected in response to interest from state and local officials, expected program support, and a desire for geographic diversity. <http://media.iccsafe.org/news/eNews/2010v7n2/feature-ecap.html>

40. *Consumers Snapping Up "Cash For Clunkers" Appliance Rebates - AP*

- W.Va. appliance rebates to be offered in May
- NJ offers home appliance rebates
- SC energy efficient appliance rebates going fast
- Ohioans still looking to save money on a "cash for clunker" appliance-rebate program
- Rebate program encourages Texans to purchase new, energy-efficient appliances
- Appliance rebates to be offered by RI
- California Energy Commission approved April 22, Earth Day, as the kickoff date for the state's Cash for Appliances rebate program.
- Wisconsin rebate program for energy-efficient appliances to end soon
- Georgia Appliance rebates still there for the taking

41. *NSTAR Stimulus Plan Helps Businesses Looking to Save on Energy Costs -* To help local businesses better-afford projects that will cut their energy use and lower operating costs, NSTAR, the largest Massachusetts-based, investor-owned electric and gas utility is offering a 50-percent increase in energy efficiency incentive money for several qualified upgrade projects. The stimulus offer is available for projects approved by NSTAR before August 1, 2010 and completed by September 30, 2010, or until funding is depleted. The NSTAR stimulus program offers added financial incentives to mid-to-large commercial and industrial customers who participate in either the Retrofit Program or New Construction Program. Eligible projects include upgrading to more efficient lighting; premium efficiency motors and variable speed drives; and vending machine controls, or the installation of new high-efficiency air compressors. 3/31 BUSINESS WIRE



- 42. New Jersey Installing 96,000 Induction Lights** - The Star-Ledger recently reported that utility Public Service Electric & Gas (PSE&G) is installing 96,000 induction streetlights to replace older streetlights in 81 municipalities, including Newark, as part of a \$50 million infrastructure project. U.S. Lighting Technologies <http://www.uslightingtech.com/streetlight.html> is a key supplier to the project. Induction lighting was chosen for energy savings (30-40% compared to mercury vapor) and long service life (up to 100,000 hours).
- 43. NJ Clean Energy Non-residential Incentives / Smart Start Buildings Program Update** - April 21, 2010, 6:00 PM Social Hour, 7:00 PM Dinner & Presentation, 9:00 PM Adjourn. Location: Renaissance Woodbridge Hotel, 515 Route 1 South & Gill Lane, Iselin, New Jersey (NJ) 08830 \$40.00 includes dinner. The NJ Smart Start Buildings Program is a State-wide energy-efficiency incentives program that covers both electric and natural gas efficiency measures for non-residential utility customers. This presentation will provide an overview of the program with emphasis on recent program changes and additions, including program management and funding, who can participate, available incentives, how and when to apply for an incentive and how to obtain full program details and application forms. Speaker: **Douglas E. Shattuck, P.E.** register on www.njaee.org
- 44. PPL Launches New Energy-Saving Program** - Pennsylvania mandated that PPL Electric Utilities curb energy consumption. The "Custom Incentives Program" offers to pay up to \$100,000 on a study to determine how much energy a customer would save through a customized efficiency project. Beyond that, PPL offers incentives of up to 10 cents per kilowatt-hour saved during the first year after an energy efficiency project is implemented. The maximum incentive payment is \$500,000 per site and \$2 million per parent company per year. Additional incentives could be available if the business or institution reduces energy use during peak demand summer hours. More information is available at www.pplelectric.com/e-power
- 45. Allegheny Power Helping Its PA Customers Save Energy and Money** - Designed to reach all of Allegheny's 715,000 customers in Pennsylvania, the new Watt Watchers programs target major energy-consuming systems such as heating, air conditioning, appliances, lighting, and manufacturing processes. The new programs are also intended to help meet the goals of Pennsylvania Act 129, which calls for utilities to achieve mandatory reductions in electricity consumption and demand over the next three years. The programs are funded through a monthly surcharge tailored to each customer rate schedule. For more information on the programs -- including rebate forms, visit the Watt Watchers section of the company's Web site at www.alleghenypower.com 3/31 BUSINESS WIRE
- 46. VA Offers \$10M in Energy-Efficiency Rebates** - Virginia homeowners and small businesses can get \$10 million in rebates to help cut energy costs and install renewable-energy systems. The Department of Mines, Minerals and Energy is administering the rebates, which are funded by federal stimulus money. Lt. Gov. Bill Bolling said Tuesday that about \$6.5 million is available for energy-efficient applications, such as upgrades for heating and air conditioning, home insulation and windows. An additional \$3.5 million will fund the Virginia Solar and Wind Incentive Program to purchase such devices. 3/24 AP
- 47. Mobile Getting LED Traffic Signals** - Mobile, AL officials say they'll use a \$760,000 federal stimulus grant for energy savings to replace the city's traffic signals with LEDs. The switch will save the city about \$37,000 a year, including time saved on replacing burned-out lights. 3/23 AP



- 48. Duke Energy to Offer Customers Coupons for Energy-Efficient Light Bulbs** - Duke Energy will offer coupons for energy-efficient CFLs to its customers in North Carolina and South Carolina to help them save money on their electric bills and reduce the need for additional power plants. The utility will mail customers a coupon, redeemable at Walmart, good for a free six-pack of 13-watt CFLs, which have the light output equivalent to traditional 60-watt incandescent bulbs. If all 1.3 million customers who receive the coupons redeem them and replace existing incandescent bulbs, the amount of electricity saved over the lifetime of the bulbs would be enough to power more than 36,000 homes. CFL coupons will be mailed in March and April, and expire May 16. To learn more, visit <http://www.duke-energy.com/cfl> 4/01 PRNewswire
- 49. FPL: Customers Could Pay Extra As More People Conserve Energy** - Meeting state-mandated energy conservation goals could cost the typical 1,000 kilowatt-hour Florida Power & Light Co. customer an additional \$2 to \$3 a month, the company said today. That money would pay for the rebates customers could receive for everything from installing a solar water heater to having air-conditioning systems tuned up. FPL has proposed continuing 18 existing conservation programs and starting 12 new ones. 4/01 The Palm Beach Post
- 50. Tampa Electric Seeks to Expand Energy-Efficiency Programs and Incentives** - Tampa Electric filed for approval from the Florida Public Service Commission to expand its current lineup of energy-efficiency programs for customers. In addition to the new proposed programs and enhancements to existing programs, \$1.5 million in incentives will be offered by Tampa Electric each year for five years. Commercial Lighting -- Offers an increased incentive of \$175 per kW for lighting upgrades as well as \$25 for each exit sign upgrade to LED technology. For more information on energy-saving programs: www.tampaelectric.com/renewable 3/31 BUSINESS WIRE
- 51. Ameren Asks Customers to Take Energy-Saving Pledge** - An Illinois electric utility is asking customers to pledge to use less energy by swapping out one incandescent light in their homes with a compact fluorescent light that is qualified by Energy Star. Ameren Illinois says Wednesday is the Great Energy Efficiency Day and they're asking customers to take the Energy Star Pledge. The utility says customers can go online to <http://www.ActOnEnergy.com> to take the pledge or enter by mail. The electric utility says customers who take the pledge by April 30 have the chance to win an Energy Star-qualified appliance worth up to \$2,000. 3/10 AP
- 52. Own a Business? Ameren Has a Bright Idea for You** - Ameren Illinois has increased incentives for business customers who upgrade their electric lighting. Until April 16, Ameren is adding 15 percent of incentives on top of existing grants available for energy-efficient lighting, refrigeration, ventilation and air conditioning and motor systems through its Act On Energy program. The program is in its second year and is designed to help business customers reduce energy consumption, decrease energy costs, improve worker comfort and productivity while reducing carbon footprints. The current program year has seen \$7 million in incentives available for the utility's business customers. Another incentive for Illinois businesses to replace the commonly used 4-foot fluorescent lamps, or F34CW, with energy-saving electronic ballast is that the Illinois government has set a deadline. By Jan. 1, 2012, using the fluorescent bulbs will be illegal. Businesses must submit applications by April 16 and complete their upgrade by May 31 to receive the additional 15 percent incentives. 3/08 Belleville News



- 53. *Maine Putting Its Energy Behind Efficiency Project*** - Maine is preparing to spend \$180 million over the next three years on a far-reaching plan to help residents and businesses use less energy. The plan would greatly expand efficiency programs, in line with meeting a 20-year legislative goal of weatherizing every home and half of the businesses in the state. That law also aims to cut consumption of electricity and natural gas by nearly one-third over the next decade, and use of heating oil by 20 percent. Officials are calling it the most ambitious energy-saving goal in the nation. 4/06 Portland Press Herald
- 54. *Contractors Say New Building Code Could Be Costly*** - Montana is among the states leading the way with the most energy efficient building codes - a move contractors say could add several thousand dollars to the cost of starter homes. One of the biggest changes requires that new homes be built with finished basements, rather than allowing unfinished basements without much insulation. That change and others could add \$7,000 to the cost of lower-priced homes - but may also increase energy efficiency by as much as 18 percent or more than \$200 a year. Other changes in requirements in the code include a small increase in the effectiveness of ceiling and wall insulation, more energy efficient windows, more energy efficiency light bulbs and programmable thermostats. 3/29 AP
- 55. *California Lighting Efficiency and Toxics Reduction Act Now in Effect*** - As of Jan. 1, Article 10.02 of the *California Lighting Efficiency and Toxics Reduction Act* prohibits the sale of general purpose lights in California if they exceed hazardous substance concentration limits set forth in European Union (EU) legislation known as the RoHS Directive (Directive 2002/95/EC), which establishes allowable maximum concentrations for mercury, lead, cadmium, hexavalent chromium, polybrominated biphenyls (PBBs) and polybrominated diphenyl ethers (PBDEs). High output and very high output linear fluorescent lamps greater than 32 millimeters in diameter, preheat linear fluorescent lamps, high intensity discharge lamps, CFLs greater than nine inches in length and state-regulated general service incandescent lamps are exempted. Manufacturers of general purpose lights that are sold or offered for sale in California must provide technical documentation upon request to the California Department of Toxic Substances Control (DTSC) demonstrating that the general purpose lights comply. In addition, manufacturers must provide sellers of general purpose lights in California with certification that the lighting complies with the EU RoHS Directive, upon request. The certificate can be listed on the shipping container or on the packaging. Lighting fixtures are not affected by the legislation. For more information, visit www.dtsc.ca.gov/lighting
- 56. *California on Track with Adoption of New Codes*** - According to NEMA, California is moving forward with plans to adopt new building related codes. The new codes are scheduled to be published on or before July 1, 2010 with an enforcement date of Jan. 1, 2011. The alert also notes the 2010 California Electrical Code is based on the 2008 NEC with State amendments. 3/11 EC&M's CodeWatch
- 57. *California's Cap-Trade Law Faces Fall Ballot Challenge*** - The energy industry and an antitax group are challenging California's plan to cap greenhouse-gas emissions, saying the effort would lead to job losses and raise energy prices if it goes into effect in 2012. These groups are collecting signatures to put an anti-cap measure before voters in November; the proposition would postpone any carbon limit until the economy rebounds. 4/06 WSJ



MONTHLY FEATURE... <http://www.dsireusa.org/summarytables/finee.cfm>

The Database of State Incentives for Renewables & Efficiency (DSIRE) is a comprehensive source of information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency. Established in 1995 and funded by the U.S. Department of Energy, DSIRE is an ongoing project of the N.C. Solar Center and the Interstate Renewable Energy Council.

This summary table provides a snapshot of government and utility financial incentives that promote energy efficiency in the United States. This table allows viewers to quickly compare the number and types of incentives in each state. (The DSIRE [glossary](#) includes a description of each incentive type.)

Financial Incentives for Energy Efficiency
 Federal = State = Utility = Local =

State	Personal Tax	Corporate Tax	Sales Tax	Property Tax	Rebates	Grants	Loans	Bonds	Green Building
Federal	2	3	0	0	0	2	4	0	0
Alabama					8 		1 6 		
Alaska					1 2 		4 		
Arizona	1 			1 	12 		1 		3
Arkansas					11 		1 5 		
California					68 	1 5 	2 10 2 		4
Colorado					29 2 	1 1 	1 2 1 		
Connecticut			1 		3 25 	1 	2 4 1 		
Delaware					2 	2 			
Florida					26 	2 	1 4 		1
Georgia		1 	1 		1 16 		7 		
Hawaii					5 		1 		1
Idaho	1 				20 		1 3 		
Illinois					3 15 	2 1 	1 	1 	1
Indiana	1 	1 			1 34 	1 	1 		
Iowa					22 	1 	1 3 		
Kansas					1 7 		1 1 		
Kentucky	1 	1 	1 		18 	1 	1 3 1 		
Louisiana					1 3 		2 		
Maine					4 2 		1 1 		
Maryland	1 	1 		2 3 	1 10 	1 	4 		
Massachusetts					29 		6 1 		
Michigan	1 				2 30 	1 			
Minnesota					83 	1 6 	5 6 		
Mississippi					7 		1 3 		
Missouri	1 		1 		33 		1 2 		
Montana	1 	1 			10 	1 	1 	1 	
Nebraska					7 	1 	1 		

Nevada				1	5			1		
New Hampshire					17	2	2	2	1	
New Jersey					9	1	1	1	2	
New Mexico	1	1			10					1
New York	1	1		1	7	18	3	3	1	1
North Carolina			1		2	19	1	1	3	10
North Dakota					1		1		3	
Ohio				1	1	17	1	1	1	1
Oklahoma	1				6			4	2	
Oregon	1	1			9	42	1	3	13	1
Pennsylvania					9	1	7	1	2	4
Rhode Island					5			1	1	
South Carolina	1		1		8			1	5	
South Dakota					1	9			2	
Tennessee					11		1	3	3	
Texas			1		55			2	3	
Utah					10				2	
Vermont					11	4		4	1	1
Virginia			1	1	2	3		2	1	1
Washington					75		1	3	2	11
West Virginia			1							
Wisconsin					8	12	2	2	5	
Wyoming					9		1	1	1	
District of Columbia					2					
Palau										
Guam										
Puerto Rico					1					
Virgin Islands					1		1			
N. Mariana Islands										
American Samoa										
Totals	15	11	9	6	952	60	210	3		

Energy-Efficient Commercial Buildings Tax Deduction Still Active - The federal Energy Policy Act of 2005 established a tax deduction for energy-efficient commercial buildings applicable to qualifying systems and buildings placed in service from January 1, 2006, through December 31, 2007. This deduction was subsequently extended through 2008, and then again through 2013 by Section 303 of the federal Energy Improvement and Extension Act of 2008 (H.R. 1424, Division B), enacted in October 2008.

A tax deduction of \$1.80 per square foot is available to owners of new or existing buildings who install (1) interior lighting; (2) building envelope, or (3) heating, cooling, ventilation, or hot water systems that reduce the building's total energy and power cost by 50% or more in comparison to a building meeting minimum requirements set by ASHRAE Standard 90.1-2001. Energy savings must be calculated using qualified computer software approved by the IRS: click [here](#)

