



Energy Watch

July 2010

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

Life isn't about waiting for the storm to pass, its learning to dance in the rain...

One day your life will flash before your eyes. Make sure it's worth watching...

If you would not be forgotten, as soon as you are dead & rotten, either write things worth reading, or do things worth the writing. Benjamin Franklin

Something to Think About...

The bestselling author of *The Tipping Point* and *Blink*, Malcolm Gladwell tells the story of success in *Outliers*. On page 237 of *Outliers*, he talks about the hard work done in the rice paddies of China:

The historian David Arkush once compared Russian and Chinese peasant proverbs, and the differences are striking. "If God does not bring it, the earth will not give it" is a typical Russian proverb. That's the kind of fatalism and pessimism typical of a repressive feudal system, where peasants have no reason to believe in the efficacy of their own work. On the other hand, Arkush writes, Chinese proverbs are striking in their belief that "hard work, shrewd planning, and self-reliance or cooperation with a small group will bring recompense.

Here are some of the things that penniless peasants would say to one another as they worked three thousand hours a year in the baking heat and humidity of Chinese rice paddies:

"No food without blood and sweat."

"Farmers are busy; farmers are busy; if farmers weren't busy, where would grain to get through the winter come from?"

"In winter, the lazy man freezes to death."

"Don't depend on heaven for food, but on your own two hands carrying the load."

"Useless to ask about the crops, it all depends on hard work and fertilizer."

"If a man works hard, the land will not be lazy."

And, the most telling of all:

"No one who can rise before dawn three hundred sixty days a year fails to make his family rich."

On page 239 he concludes: "Working really hard is what successful people do, and the genius of the culture formed in the rice paddies is that hard work gave those in the fields a way to find meaning in the midst of great uncertainty and poverty. That lesson has served Asians well in many endeavors....."

If this is the Electronic Information Age, it's time for EnergyWatch to go electronic. It will happen this summer when we launch www.energywatchblog.com More on this to follow...



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NATIONAL ENERGY ISSUES TO WATCH.....

1. **LED Replacements for Four-Foot Linear Fluorescent Lamps** - Linear fluorescent lamps are widely used in commercial spaces such as offices, schools, hospitals, and stores. Vendors of LED linear replacement lamps claim energy savings and long lifetimes, but testing of currently available products to date does not support these claims. This factsheet compares LED linear replacement lamps to fluorescent lamps in terms of light output, distribution, color quality, energy efficiency, and cost-effectiveness and why they do not measure up.

<http://apps1.eere.energy.gov/buildings/publications/pdfs/ssl/led-t8-flourescent-replacement.pdf>

Table 1: Four-Foot Linear Fluorescent Lamps and LED Replacements in Lensed and Parabolic Louver Troffers

	Lensed Troffer		Parabolic Troffer	
	2 Fluorescent lamps (T12s)	2 LED lamps	2 Fluorescent lamps (T8s)	2 LED lamps
Total Power (watts)	88	36-80	58	36-47
Output (initial fixture lumens)	4453	613-2125	3675	597-2038
Fixture Efficiency	76%	83-89%	68%	74-86%
Luminaire Efficacy (lumens/watt)	51	17-43	63	17-43

Source: CALiPER Performance of T12 and T8 Fluorescent Lamps and Troffers and LED Linear Replacement Lamps Benchmark Report (Jan 2009)

2. **LEDs: Bright Future, But a Burnout on the Way?** - LED-focused firms have terrific growth prospects, but also face long-term risks. Perhaps the biggest push for LEDs could come from public policy and broad consumer awareness surrounding "green" products. The first big step has come from several governmental bans of incandescent bulbs in Europe, Australia, and the U.S. over the next decade. LEDs should emerge as the most practical lighting alternative, especially for those that recognize that swallowing the high up-front costs for LEDs will be rewarded in the long-run in the form of longer bulb lives and lower energy costs. Commercial LED adoption in office and retail lighting should come first; Philips estimates that these segments make up about 40% of the total lighting market. However, residential LED adoption could take some time. Beyond the high cost of the bulbs, LED marketers will have to find a way to navigate around the hundred-plus years of consumer behavior where people are ingrained to buy cheap light bulbs and toss them away once they burn out. <http://news.morningstar.com/articlenet/article.aspx?id=340486&page=2>

Lighting Cost/Benefit Analysis			
	LED	Fluorescent	Incandescent
Number of Fixtures	100	54	100
Fixture Cost (\$)	5,400	5,940	2,750
Lamp, Accessory & Control Cost (\$)	64	3,629	1,220
Installation: \$47/hr (\$)	282	761	1,175
Total Installation Cost (\$)	5,746	10,330	5,145
Number of Replacement Lamps	-	4	15
Cost to replace Lamps (\$)	-	3,186	8,115
Power Consumed per 100 ft (watts)	450	760	3,000
Cost per Watt (\$)	5.50	5.50	5.50
Total Power Cost (\$)	2,475	4,180	16,500
Total Cost of Ownership (\$)	8,221	17,696	29,760
Cost Savings (%)		54	72

Source: Philips 2009 Analyst Day Presentation



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3. ***Global Solid State LED Lighting Market Forecast to Grow 30.9% to Nearly \$1.3 Billion in 2013 -*** The report “U.S. Solid-State (LED) Lighting Market Trends, Opportunities and R&D Activities 2009 - 2014” available at www.reportbuyer.com/go/FUJ00085 details the trends and developments that are driving the energy efficient lighting market in the United States. According to the 150 page report, many companies, including new entrants who are crossing traditional business boundaries, are streaming into the Solid-State Lighting market. This trend will continue steadily for some time, until a few suppliers eventually dominate. Until that time comes, the market will enter a competition-oriented phase, where paying attention to competitors becomes the basis of a company’s product development policy.
4. ***Building STAR Fights to See the Light of Day -*** In March, Senator Merkley (D-OR) introduced *S 3079 (Building STAR Energy Efficiency Act of 2010)*. Five other Democrats joined him as original cosponsors. As of press time, Representative Welch (D-VT) is expected to introduce the companion bill in the House; *S 3079* would authorize a two-year, \$6 billion program. The program would provide rebates for energy-efficiency retrofits to existing buildings and create a loan program to make grants to states to support financial assistance provided by qualified program delivery entities for making energy efficiency and renewable energy improvements. However, passage of this legislation will be an uphill battle. After billions and billions have been appropriated in stimulus and bailout measures, it seems that Congress is realizing it needs to put on the brakes on spending. 06/10 Buildings
5. ***IKEA to Start Phasing Out Incandescent Light Bulbs -*** Swedish home furnishings purveyor IKEA hopes to have all incandescent bulbs out of its U.S. and Canadian stores by Jan. 1, and only sell other, longer lasting bulbs. That’s ahead of federal legislation that calls for a phase-out beginning in 2012. IKEA said customers will have more efficient options including CFLs, LED and halogen lamps. The pullout applies to the 48 stores in Canada and the United States. IKEA has more than 300 stores in 37 countries, including 37 in the U.S. 06/15 AP
6. ***Survey Shows National Retailers are Increasingly Concerned about Energy Efficiency -*** Prenova, Inc., the energy services firm managing over \$2 billion in energy spend for dozens of national retailers, announces the results of the second-annual Energy Management & Sustainability Strategy survey. Findings indicate national retailers are increasingly concerned about energy efficiency and are refocusing efforts to promote cost-saving, sustainable business practices. Conducted in partnership with Chain Store Age, survey results are based on responses from nearly 200 retailers. 63% of retailers reported that they have a formalized energy management/sustainability program, with 45% indicating that sustainability is a “key component” of their overall business strategy. Only 5% of retailers admitted their organization doesn’t worry about energy management/sustainability, yet twice as many lack specific programs to address these issues. 60% of retailers stated that saving money is their primary reason for pursuing sustainable business practices; while approximately 8% were more concerned about enhancing their corporate image. Common sustainability projects include installing energy efficient lighting (80%), conducting onsite energy audits (50%), and implementing energy management systems (45%). While sustainability is clearly important to retailers, so far, only 21% are using renewable sources to meet a portion of their energy needs. www.prenova.com
7. ***Nardelli Named Non-Executive Chairman at NewPage -*** Robert Nardelli, former head of Chrysler and Home Depot was named non-executive chairman at NewPage Corp., a paper manufacturer, on Tuesday after the company’s CEO and board chairman resigned. Nardelli said he is playing an active role in searching for a new CEO for the company. 06/15 AP



8. **Government Puts Stimulus \$ To Work** - It's widely known that the DOE put very little of its stimulus allocation to work in fiscal year 2009. Well, that means lots of cash remains to be disbursed before 9/30/10 (when FY10 ends). Where's it going?
- **\$60 million** – 20 communities <http://www.energy.gov/news/9068.htm> will divide this funding, which supports projects that deliver energy efficiency retrofits in residential and commercial buildings and establish financing programs for energy efficiency improvements.
 - **\$76 million** – this total will go to fund “advanced EE building technology projects and developments of training programs for commercial building equipment technicians, building operators, and energy auditors.” The 58 projects are detailed: <http://www.energy.gov/9152.htm>
<http://tedgreenroom.com>
9. **DOE Announces More Than \$76 Million for Advanced Energy-Efficient Building Technologies and Commercial Building Training Programs** - U.S. Energy Secretary Steven Chu announced awards totaling more than \$76 million in funding from the American Recovery and Reinvestment Act to support advanced energy-efficient building technology projects and the development of training programs for commercial building equipment technicians, building operators, and energy auditors. The 58 projects selected will help make the nation's buildings more energy efficient and cost-effective. They will also support programs to train workers to service and operate new and existing buildings, to develop and deploy best practices resulting in fewer greenhouse gas emissions, and to establish a green workforce with technical expertise to reduce energy costs for consumers. For detailed project descriptions of award winners, visit:
http://www1.eere.energy.gov/recovery/pdfs/btp_arra_selections_combined.pdf
10. **Construction Unemployment Rate Stays Above 20%** - Construction employment declined in May as 35,000 workers lost jobs, offsetting most of the increases the industry experienced in March and April, according to a new analysis of federal employment figures by the Associated General Contractors of America (AGC), Arlington, Va. The figures show how fragile the sector is despite recent increases in stimulus funding activity, note association officials.
<http://ecmweb.com/ezone/construction-unemployment-20106010/>
11. **Lighting Controls: A Roadmap for Retrofits by Chris Matt** -
<http://www.facilitiesnet.com/lighting/article> Ctrl click to follow the link for each article:
- Part 1:** Why Are Managers Specifying Lighting Controls?
 - Part 2:** Lighting Controls: Biggest Specification Challenges
 - Part 3:** Lighting-Control Retrofits: Wireless Technology Lowers Project Cost
 - Part 4:** Lighting Controls: Commissioning, Training Critical
 - Part 5:** Lighting Controls: Take Advantage of Rebates, Tax Deductions
 - Part 6:** The Role of Lighting Controls in Demand Response
 - Part 7:** PRODUCT FOCUS: Lighting Controls
12. **DOE Releases GATEWAY Report on Parking Lot Lighting** - The DOE has published the Phase I report from a demonstration of LED parking lot lighting at a T.J.Maxx in Manchester, New Hampshire. This GATEWAY demonstration report provides an overview of project results including lighting performance and projected energy savings from the new installation. A future Phase II report will provide a detailed review of the actual operation of the LED luminaires over time. In this project, 22 high-pressure sodium and six metal halide luminaires were replaced with 25 LED luminaires. The report is available for download at www.ssl.energy.gov/gatewaydemos_results.html





13. LEUKOS Volume 6 Print Compilation - As a member of the IES, you are entitled to free online access to [LEUKOS, the Journal of the Illuminating Engineering Society of North America](#). For members who prefer to read in print, you can also purchase a year-end print compilation of LEUKOS for only \$25. Volume 6, Numbers 1 - 4 will be available in July. New research findings, new technologies and an increased emphasis on sustainability and energy conservation are a few of the many compelling reasons to stay informed about lighting research.

14. Free DOE Webtool Outlines Multiple Paths to Big Lighting Energy Savings in Office Buildings by Craig DiLouie, Lighting Controls Association - The DOE has unveiled the Commercial Lighting Solutions for Office webtool. Available free at www.lighting-solutions.org, CLS for Office provides customizable lighting and control templates enabling building owners to generate more than 30% lighting energy savings compared to office buildings complying with prevailing energy codes. The Federal stimulus targeted \$5 billion to upgrade Federal buildings, with an estimated \$1 billion being spent on lighting. The CLS for Office webtool was fast-tracked by DOE to support Federal facility managers who will be looking for solutions. Meanwhile, the Energy Policy Act of 2005 requires all new nonresidential Federal buildings to exceed ASHRAE 90.1-2004 by 30%.

15. DOE SSL Market Introduction Workshop July 20–22, 2010 • Hyatt Regency at Penn's Landing, Philadelphia, PA - The fifth annual Market Introduction Workshop to cover the current LED replacement lamp market and how to prepare for a decade of change; strategies and best practices for implementing SSL programs and incentives; applications that make sense for LED lighting and from recent installation experiences; the latest on reliability, dimming, flicker, and other performance issues, and perspectives on where this technology is headed.
<http://www1.eere.energy.gov/buildings/ssl/philadelphia2010.html>

16. Johnson Controls Offers Free Tools and Tips for Greener Buildings - Property owners and managers can find an array of complimentary tools, tips, case studies and other information to help them make their buildings greener at a new microsite created by Johnson Controls Inc. The site provides a Building Efficiency Calculator that enables users to plug information about their structures -- such as whether they are any one of 15 building types from airports to industrial facilities, the square footage, annual energy costs and general location -- to obtain estimates of energy cost savings, increased productivity and reduced carbon emissions that could result from building improvements. <http://www.makeyourbuildingswork.com/>

17. Encelium Releases White Paper Helping Building Owners and Managers Obtain Lighting Energy Savings with Dimming Strategies - Encelium Technologies releases its white paper, Optimum Lighting Energy Savings with Addressable Dimming Controls. Encelium's new white paper is an excellent resource for Building Owners, Managers and Engineers to take a closer look at lighting as an energy savings option. For a copy of the white paper, at no cost, go to:
http://www.encelium.com/en/Encelium_Technologies_Energy_Savings_Whitepaper.html

18. NECA Publication Offers Six Ideas that Will Change a Building's Energy Profile - Bethesda, Md.-based NECA recently released the latest publication in its Electrical Design Library (EDL). The publication focuses on six ideas that incorporate the latest advances in energy-efficient technology. The publication can be downloaded free of charge at: <http://www.necanet.org/edl/> along with the complete EDL archive. <http://ecmweb.com>



19. Daylight-Switching Device Works with Existing Lighting Fixtures - The Polytechnic Institute's Lighting Research Center (LRC) says it has been working on a daylight-switching device called the DaySwitch, designed for existing lighting fixtures and featuring simple setup and commissioning. To test the device in diverse, real-world conditions, calculate energy savings, assess occupant acceptance, and gather installation feedback from electricians, DaySwitch devices were installed in 72 locations across campus, each with varying degrees of daylight access from windows or skylights. Although the primary market for the product is commercial retrofit, it can also be incorporated into new luminaires. For complete details, access: http://www.lrc.rpi.edu/programs/DELTA/pdf/FTDELTA_DaylightHarvestingSwitch.pdf

20. The Top 25 Electrical Distributors - Modern Distribution Management (MDM) recently offered lists of “market leaders” in many distribution sectors. Below find its list of the top 25 electrical distributors—work done with the sponsorship of *tED* magazine. Figures provided are 2009 revenue.

1. Sonepar: \$4.57 billion in North American revenues
2. Rexel Group (includes Gexpro): \$4.7 billion in North America
3. Consolidated Electrical Distributors: No revenue provided
4. Anixter: \$5 billion (some of its revenues come from outside North America)
5. WESCO: \$4.6 billion
6. Graybar: \$4.4 billion
7. HD Supply: \$1.4 billion
8. Grainger: \$871 million (electrical)
9. Border States: No revenue provided
10. Crescent Electrical Supply: \$790 million
11. Mayer Electric Supply: \$534 million
12. Platt Electrical Supply: No revenue provided
13. McNaughton-McKay Electric: No revenue provided
14. Reynolds Company: No revenue provided
15. Wholesale Electric Supply (Houston): No revenue provided
16. City Electric Supply: No revenue provided
17. Kendall Electric Supply: No revenue provided
18. Summit Electric Supply: \$308 million
19. North Coast Electric: \$307 million
20. Dealers Electric Supply: No revenue provided.
21. Elliott Electric: No revenue provided
22. Independent Electric Supply (San Carlos, Calif.): No revenue provided
23. State Electric Supply: No revenue provided
24. Turtle & Hughes: \$360 million
25. Kirby Risk: No revenue provided

21. GE and Lithonia Lighting to School Districts - Superintendents, business managers, and school boards can take a meaningful step toward extraordinary, lasting lighting energy savings—and improved, more flexible learning environments—by visiting www.BetterLightingBetterSchools.com. The site provides a spectrum of information on how schools can improve lighting energy efficiency. It features a lighting audit request form tied to the introduction of energy-efficient Class Pack Lighting Systems from GE Lighting and Lithonia Lighting. By installing Class Pack Lighting Systems, schools can reduce annual lighting-related energy costs up to 50 percent.



- 22. *GE to Double Investment in Energy Efficiency*** - General Electric Corp. said Thursday that its plan to pour \$5 billion in investments into energy efficient and environmentally oriented projects has been met a year ahead of schedule. It also said it is committed to spend an additional \$10 billion by 2015. The company said its \$5 billion investment has generated revenue of \$70 billion. 6/24 AP
- 23. *May New-Home Sales Plunge*** - Reeling from the expiration of the home buyer tax credit, new home sales for May decreased 32.7% to a seasonally adjusted annual rate of 300,000, compared with the downwardly revised April figure of 449,000. The May estimate, released Wednesday by the U.S. Department of Commerce, was also 18.3% below the May 2009 estimate of 367,000. Regionally, the Northeast declined 33.3%, the Midwest declined 23.9%, the South decreased 25.4%, and the West decreased 53.2% for May. 06/23 HCN
- 24. *Existing-Home Sales Down Slightly in May*** - Existing-home sales remained at an elevated level in May, despite a slight decrease to 5.66 million units. The May numbers marked a decrease of 2.2% from an upwardly revised April figure of 5.79 million units. That current rate is also up 19.2% from the 4.75 million-unit pace in May of last year. Regionally, existing-home sales in the Northeast dropped 18.3% to an annual pace of 890,000 homes in May but are 12.7% higher than a year ago. In the Midwest, sales remained flat at a pace of 1.33 million homes, but are up 22% from last year. The South saw a 0.5% increase in sales to a pace of 2.15 million in May, a 22.9% increase over last year. Existing-home sales in the West rose 4.9% to an annual rate of 1.29 million in May, and are 15.2% over last year's figure. 06/22 HCN
- 25. *Powerful Savings: Stimulus Money May Fund Home Energy Exams, But There Are Few Expert Auditors*** - A handful of local remodeling contractors have their caulking guns raised high and ready should the U.S. Senate soon pass the \$6 billion cash-for-caulkers stimulus bill. The proposed legislation -- formally called the Home Start Energy Retrofit Act -- already has been approved by the House. It would pay U.S. homeowners as much as \$1,500 to \$8,000 to upgrade their houses and is expected to create a huge demand for energy-related remodeling work. A home energy performance audit takes from two to five hours and costs from \$400 to \$600. However, local homeowners may have to wait months to find a contractor who qualifies for the most generous rebates under the proposed two-year program. 6/24 The Register Guard
- 26. *Senate Democrats Poised to Start Energy Bill*** - A majority of Democrats appear willing to risk legislative failure, believing a robust summer discussion on energy would establish a stark contrast between the parties before the fall election. Tackling energy legislation gives Democrats a strategy they believe resonates with voters -- though one that would expose them to GOP taunts over higher taxes, a fight Republicans would relish. With the Democrats' 59-member caucus intensely divided on energy issues, crossover support from Republicans would be needed. 6/27 Los Angeles Times
- 27. *Green Column: Lighting Technology Advances Draw Investors*** - The incandescent light bulb has dominated the global lighting market for more than 130 years, growing into an industry worth more than \$100 billion a year. But environmental concerns about efficiency spell an end to that era, and investors and executives in the U.S. technology capital see light-emitting diodes, or LEDs, as the future of the industry. In the first quarter of 2010, venture capitalists invested \$100 million in 14 LED lighting companies, up from \$14 million in the same quarter a year ago, according to Cleantech Group. By 2020, LEDs will account for nearly half of the \$4.4 billion U.S. market for lamps in the commercial, industrial and outdoor stationary sectors, according to Pike Research, which tracks the market. 6/28 NY Times



28. **DOE Announces Funding Opportunity for Solid-State Lighting U.S. Manufacturing Support (Round 2)** - The DOE announced a Solid-State Lighting (SSL) funding opportunity on June 28, 2010. Under this funding opportunity, DOE seeks applications for projects to advance research, development, and market adoption of SSL technology. The funding is directed toward the existing DOE SSL R&D program area for U.S. Manufacturing Support. Projects should address the technical challenges that must be overcome before prices fall to a level where SSL will become competitive with existing lighting on a first-cost basis. For more information on the new funding opportunity, visit the DOE SSL website at www.ssl.energy.gov
29. **GE CEO Hits Out at Obama and China** - General Electric Chief Executive Officer Jeffrey Immelt reportedly had harsh words for President Barack Obama and China in remarks at a recent dinner with Italian executives. The president is anti-business, and China is hostile to big foreign companies like GE, he said, according to the Financial Times. As for Obama, Immelt complained that the White House has sought too much regulation in response to the financial crisis and that its policies endanger the “tepid” U.S. recovery. Business doesn’t like the president, and he feels the same way about business, Immelt said. <http://www.moneynews.com>
30. **Energy Star Luminaires** - EPA is currently developing a new product specification for Luminaires, intended to replace the Residential Light Fixtures (V4.2) and Solid State Lighting Luminaires (V1.1) specifications. Partners and other interested parties who would like to participate in this process are encouraged to send their contact information to luminaires@energystar.gov to be added to the distribution list for specification development updates. This webpage will be updated periodically with comments received and new drafts for review. http://www.energystar.gov/index.cfm?c=new_specs.luminaires
31. **GATEWAY Demonstration at DOL Headquarters Parking Garage** - Department of Labor (DOL) announced a GATEWAY demonstration project that uses solid-state lighting (SSL) in a federal parking-structure facility. Parking structures, after outdoor lighting, are one of the first areas of SSL to become competitive with incumbent technology and gain a major market foothold. Nineteen Philips VzorLED parking-structure lights were installed in the DOL headquarters parking garage as one-for-one replacements across a portion of the facility's existing high-pressure sodium (HPS) system. Preliminary indications show an estimated energy savings of more than 75%. http://www1.eere.energy.gov/buildings/ssl/news_detail.html?news_id=16121
32. **AEE Seminars: Assessing Ballast Options + Energy Market Segmentation Online Seminars** - Get quality live training online while earning credits toward meeting your professional training requirements... registrar@aeecenter.org

**Dimming vs.
Non-Dimming Ballasts**

Instructed by [Stan Walerczyk, L.C., C.L.E.P.](#)
 A 4-Hour Distance Learning Seminar
 Earns 0.4 CEU / 4 PDH
 Presented in two 2-hour live online sessions
 New Program Starts **July 22**

**Market Segmentation for
Energy Products & Services**

Instructed by [Christopher Russell, C.E.M., C.E.P.](#)
 A 4-Hour Distance Learning Seminar
 Earns 0.2 CEU / 2 PDH
 Presented in one live 2-hour online session
 New Program Starts **July 23**



STATE ENERGY ISSUES TO WATCH.....

33. PSEG to Fund Sustainability Center - The parent company of the state's largest electric utility announced Wednesday that it will fund a research institute at Montclair State University devoted to conservation and other environmental issues. The PSEG Institute for Sustainability Studies will act as a think tank for scholars to work with corporations in developing ways to best use natural resources without damaging them. A conference in the fall with speakers from across the globe will be the institute's first major event. PSEG will give Montclair State \$400,000 over three years to fund the institute. www.pseg.com

34. New Jersey Solar Rebate Program Crashes, Lawsuit Filed - New Jersey ran out of four months' worth of solar rebates in a day. Less money was available than originally budgeted for in December because Gov. Chris Christie took \$158 million from the Clean Energy Fund to help close an \$11 billion state budget gap. The Mid-Atlantic Solar Energy Industries Association, a trade group that represents hundreds of solar contractors, filed a lawsuit against the state May 3 in the New Jersey Appellate Division of the Superior Court in Trenton.
http://www.nj.com/business/index.ssf/2010/05/new_jersey_solar_rebate_progra.html

35. When Out to Dinner, Don't Count the Watts - At [Maialino](#), the Roman-style trattoria on Gramercy Park, they hover in groups of two and three. At the [Standard Grill](#) in the meatpacking district, they snake through the cafe, restaurant and patio. And at [Recipe](#), a rustic spot on the Upper West Side, they cluster near the entrance as an enticement. They are not the latest cliques of beautiful people, but something quite old and plain: exposed-filament bulbs, energy-guzzling reproductions of Thomas Alva Edison's first light bulb. And despite the escalating push to go green and switch to CFLs — or perhaps because of it — their antique glow has spread like a power surge. Whether in hip hangouts tapping into the popular Victorian industrial look or elegant rooms seeking to warm up their atmosphere, the bulb has become a staple for restaurant designers, in part because it emulates candlelight and flatters both dinner and diner. 06/ 07 NY Times



36. Central Hudson Tests High-Efficiency Street and Outdoor LED Lighting - Central Hudson Gas & Electric Corporation is testing the effectiveness of outdoor lighting fixtures using LEDs. Two demonstration projects are underway, the first an outdoor area lighting application on the campus of Bard College located at Annandale-on-Hudson, Dutchess County, and the second a street lighting installation in the Town of New Windsor, Orange County. Funding and selection of the LED fixtures, manufactured by Philips, were provided through the EPRI Energy Efficiency Demonstration Program. EPRI is an independent, non-profit company performing research, development and demonstration in the electricity sector. For more information: www.EPRI.com and for more on LED street lighting: www.FalaTech.com and www.GreenhouseEnterprise.com

37. \$4.1M from Feds to Curb Energy Consumption, Create Jobs - Hoping to harness the potential of energy efficiency, Fayette County, PA officials announced the recent award of a \$4.1 million grant from the DOE to reduce energy consumption and create jobs. Goals of the grant include educating consumers on how to assess their energy consumption, offering training programs for expected energy efficiency jobs and developing programs other communities can replicate. Officials noted that Fayette County was among only 20 grant recipients nationwide. It was the only grant recipient in Pennsylvania. 06/19 Tribune-Review



- 38. Vermont Efficiency Company to Help Utilities in 6 States** - The Vermont Energy Investment Corp. has won a three-year, \$21 million contract to do energy efficiency work for municipal utilities in six states. VEIC and Columbus, Ohio-based American Municipal Power Inc. announced Tuesday that VEIC will set up efficiency programs serving the nonprofit wholesale power provider and its member utilities in Ohio, Pennsylvania, Michigan, Virginia, Kentucky and West Virginia. VEIC is to help American Municipal Power to set up programs designed to save 70,000 megawatt-hours of electricity during the three-year term of their contract. 06/16 AP
- 39. Kicking Kilowatts: Stimulus Money Helping Business Owners Save Energy** - Businesses interested in shaving their energy costs are getting a nudge from local government thanks to federal economic-stimulus funds. Kick the Kilowatt is an energy-tracking-and-saving program developed by the Central Florida Energy Efficiency Alliance, created last summer with money from the American Recovery and Reinvestment Act. Operated by Orange County's Environmental Protection Division, the program is open to any business in Central Florida. The program's goal is to reduce businesses' energy use 10 percent a year for three years, or roughly 30 percent by 2012. Almost 1,400 buildings throughout the region have registered with the Orange County-run Kilowatt Challenge so far. 6/29 The Orlando Sentinel
- 40. Wisconsin Gets \$7.9 Million in Federal Funds for Energy-Efficiency Programs** - Wisconsin won more funding Thursday than every state but California when the DOE awarded \$76 million in funds for development of energy-efficiency technologies and careers. Wisconsin was awarded \$7.9 million in this round of stimulus funding, the agency said. That includes two projects at Johnson Controls Inc., one at Eaton Corp., two at the University of Wisconsin-Madison and one at Milwaukee Area Technical College. Of the 26 states or territories that received funding, California was awarded the most, with \$12.9 million. Trailing Wisconsin were New York, Connecticut, Michigan and Minnesota. 06/18 Milwaukee Journal Sentinel
- 41. 4 Michigan Companies Get More Than \$6.6M in Funding** - Four Michigan companies will receive more than \$6.6 million in federal funding to develop advanced energy-efficient technology. Midland-based Dow Chemical Co. and the Dow Corning Corp. will receive more than \$2.9 million and \$1.24 million respectively. Benton Harbor-based Whirlpool Corp. will receive more than \$2 million to increase the energy efficiency of refrigerators. West Olive-based Pleotint LLC will receive \$402,547 to test variably tinted thermochromic windows. 06/18 AP
- 42. Washington Schools Invited to Apply for Energy Grants** -Washington schools that want to save money in energy and operational costs have been invited to apply for a state energy grant. Gov. Chris Gregoire and Superintendent of Public Instruction Randy Dorn say \$100 million is available for public schools that want to do projects that improve their energy efficiency. Some money is available for colleges as well. Projects that qualify include new lighting, windows and insulation, as well as new or upgraded heating and cooling systems. 06/10 AP
- 43. UW Wins \$1.2M Grant to Reduce Hospital Energy Use** - The University of Washington has won a \$1.2 million grant from the DOE to reduce energy use at Pacific Northwest hospitals. The UW on Saturday said the grant will be used to create hospital and health facilities that cut energy consumption by more than 60 percent. 06/19 AP



44. Washington Law Creates Recycling Program for Mercury-Containing Lamps - Washington Gov. Christine Gregoire signed legislation into law that makes Washington the second state in the nation to require producers of mercury-containing lighting products to fund their recycling. Beginning in 2013, residents will be able to bring fluorescent lamps and tubes to recycling sites, which may be run by local retailers, recycling centers, governments, and others. There will be no fee for dropping off these lamps. In the new system, manufacturers will pay for the recycling of the lighting products that their industry creates. This approach is already used in Maine, Canada and by many countries in Europe and Asia. 05/'10 Electrical Contractor

45. Berkeley, CA Rolls Out Energy Grants - Berkeley will roll out an energy-saving program July 6 that will give homeowners and commercial property owners thousands of dollars for making improvements. The program, called Money for Energy Efficiency, seeks "deep energy savings" that come from analyzing the entire home or building and making systemic adjustments. After an initial audit, for which homeowners get a \$200 rebate, they can get back \$1,200 for the first 20 percent of energy savings and \$700 for each 5 percent after that, up to \$5,000. Apartment building and commercial property owners can get back up to \$32,500 per building depending on the energy savings made. The money for the program comes from federal stimulus funds and PG&E. For details, visit the city's Money for Energy Efficiency website at www.cityofberkeley.info/ME2

46. SMUD Wins \$20 Million for Home Energy Upgrades - The California Energy Commission today approved nearly \$20 million for the Sacramento Municipal Utility District to implement energy upgrades to the region's residential customers. The money comes from America Recovery and Reinvestment Act funding. California received \$226 million of \$3.1 billion distributed by the federal program. Under its Home Performance Program, SMUD plans to make available Home Energy Rating System audits and energy upgrades to 15,150 homes in the Sacramento area, including the cities of Sacramento, Rancho Cordova, Citrus Heights, Elk Grove, Folsom and Galt. Thousands of energy-efficient home retrofits are expected. The retrofits may include items such as new solar-heating units and energy-efficient lighting, heating and cooling systems. 06/23 The Sacramento Bee

47. California Legislators Set to Adopt Nation's Toughest Renewable Energy Law - Spurred by the Gulf of Mexico oil spill, California legislators are working towards adopting the nation's toughest renewable energy law to reduce the state's dependence on oil and serve as a model for other states. The law would require privately and publicly owned electric utilities to generate a third of their power from wind, solar and other clean sources by 2020. 6/24 Los Angeles Times

.....and finally:

48. Cigarette Tax Increased to Keep State Running - New Yorkers who like to smoke will have to dig a little deeper to light up next month, after the Legislature passed a bill on Monday that will give the state the highest cigarette taxes in the country. The new law, part of an emergency budget measure to keep the government running, adds another \$1.60 in state taxes to every cigarette pack sold starting on July 1, pushing the average price of a pack to about \$9.20. The average price in New York City, which imposes its own cigarette taxes, will be even higher, nearly \$11 a pack. A pack a day then will cost you over \$4000.00 per year.....06/21 NY Times if that doesn't make you quit, then what will?



MONTHLY FEATURE...Coming in 2011: New Labels for Light Bulb Packaging

<http://www.ftc.gov/opa/2010/06/lightbulbs.shtm>

Labels Will Emphasize Lumens, Not Watts, as a Measure of Bulb Brightness

Starting in mid-2011, the Federal Trade Commission announced on July 18, consumers shopping for light bulbs will notice new labeling on packaging designed to help them choose among the different types of bulbs on the market – traditional incandescent bulbs, and newer high-efficiency compact fluorescent (CFL) and light-emitting diode (LED) bulbs. The new labels will enable consumers to save money by selecting the most efficient bulbs that best fit their lighting needs.

Under direction from Congress to re-examine the current labels, the FTC is announcing a final rule that will require the new labels on light bulb packages. For the first time, the label on the front of the package will emphasize the bulbs' brightness as measured in lumens, rather than a measurement of watts. The new front-of-package labels also will include the estimated yearly energy cost for the particular type of bulb.

While watt measurements are familiar to consumers and have been featured on the front of light bulb packages for decades, watts are a measurement of energy use, not brightness. As a result, reliance on watt measurements alone make it difficult for consumers to compare traditional incandescent bulbs to more efficient bulbs, such as compact fluorescents. A compact fluorescent bulb may be able to produce the same amount of brightness as a traditional incandescent bulb, while using significantly less energy, or watts. New energy standards mandated by Congress will effectively phase out traditional low-efficiency incandescent bulbs from the U.S. market over the next few years. The new labels that focus on brightness in lumens will help consumers make purchasing decisions as they transition to more energy-efficient types of bulbs.

Under the new rule, the back of each package of light bulbs will have a "Lighting Facts" label modeled after the "Nutrition Facts" label that is currently on food packages. The Lighting Facts label will provide information about:

- brightness;
- energy cost;
- the bulb's life expectancy;
- light appearance (for example, if the bulb provides "warm" or "cool" light);
- wattage (the amount of energy the bulb uses); and
- whether the bulb contains mercury.

The bulb's brightness, measured in lumens, and a disclosure for bulbs containing mercury, also will be printed on each bulb.

The new labeling requirements become effective one year from the date they are issued. The FTC also is seeking public comments on several issues that might be relevant to future changes to light bulb labeling requirements, such as whether new labeling requirements should be applied to candelabra bulbs.

Information on how to submit public comments can be found in a Federal Register notice that will be issued by the FTC and is available at: <http://www.ftc.gov/os/2010/06/P084206lamplabeling.pdf>. The vote approving the Federal Register notice was 5-0. The FTC will have more detailed information and consumer education available about the new labels early next year.

Copies of the Federal Register notice are available from the FTC's Web site at <http://www.ftc.gov> and from the FTC's Consumer Response Center, Room 130, 600 Pennsylvania Avenue, N.W., Washington, D.C. 20580. The FTC works for the consumer to prevent fraudulent, deceptive, and unfair business practices and to provide information to help spot, stop, and avoid them. To file a complaint in English or Spanish, click: <http://www.ftc.gov/ftc/complaint.shtm> or call 1-877-382-4357. The FTC enters Internet, telemarketing, identity theft, and other fraud-related complaints into Consumer Sentinel, a secure, online database available to more than 1,800 civil and criminal law enforcement agencies in the U.S. and abroad. For free information on a variety of consumer topics, click <http://ftc.gov/bcp/consumer.shtm>.

(FTC File No. P084206) (Light Bulbs.final.wpd)

Lighting Facts Per Bulb	
Brightness	820 lumens
Estimated Yearly Energy Cost \$7.23 Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	
Life	1.4 years Based on 3 hrs/day
Light Appearance Warm ▲ Cool 2700 K	
Energy Used	60 watts

Lighting Facts Per Bulb	
Brightness	870 lumens
Estimated Yearly Energy Cost \$1.57 Based on 3 hrs/day, 11¢/kWh Cost depends on rates and use	
Life	5.5 years Based on 3 hrs/day
Light Appearance Warm ▲ Cool 2700 K	
Energy Used	13 watts
Contains Mercury For more on clean up and safe disposal, visit epa.gov/cfl .	

New Back Label for Bulbs Containing Mercury



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