

**NATIONAL ENERGY ISSUES TO WATCH:**

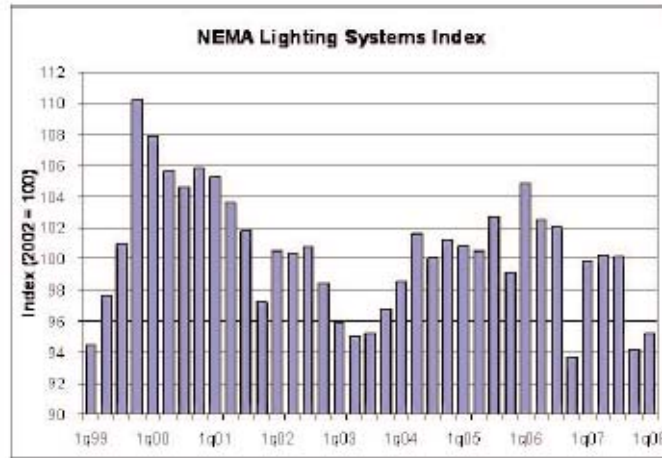
1. **The Entire Lighting Industry Was in Las Vegas at Lightfair** – or so it seemed. LIGHTFAIR® International (LFI) 2008 —the world's largest annual architectural and commercial lighting trade show and conference— was sold out with attendee registration numbers tracking 19% higher this year than they did at the same time for the last Las Vegas show in 2006 and surpassed all other records in LFI's Las Vegas history. More than 19,800 registered industry professionals attended. Attendees from around the world were introduced to the future of lighting, featuring 510 exhibitors spanning more than 1,57,000 square feet—LFI's largest show floor space to date. The show included 110 first-time exhibitors and 91 international exhibitors—showcasing the latest in lighting design and innovation. LFI 2009 will take place in New York, May 3-7, 2009, celebrating its 20th Anniversary.
2. **NEMA Announces Industry Initiative to Stimulate Energy-Saving Lighting Upgrades** - The National Electrical Manufacturers Association (NEMA) has announced a new initiative aimed at reducing energy use and costs in the 5 million existing commercial, industrial, and institutional buildings in the United States. The campaign, called "enLIGHTen America," will target building owners, operators, and executives who make decisions about upgrading lighting products in unrenovated buildings. The "enLIGHTen America" initiative, sponsored by NEMA on behalf of all of its member lighting companies, will raise awareness of its message among the target audience through such communications vehicles as press releases, feature articles, direct mail, trade show graphics, and a dedicated website. The campaign will also be supported by a personal message from Secretary of Energy, Samuel W. Bodman, who "invites our nation's leaders to become full participants in a national effort to make our buildings more energy efficient." Interested parties in the lighting industry may obtain more information by e-mailing NEMA at [Lightinginfo@nema.org](mailto:Lightinginfo@nema.org)
3. **House Passes Extension to High-Efficiency Lighting Tax Savings. Senate is Next...But When?** - The National Lighting Bureau reports that the U.S. House of Representatives has passed H.R. 6049, the "Renewable Energy and Job Creation Act of 2008." Introduced by House Ways and Means Committee Chairman Charles Rangel (D-NY), the bill contains about \$20 billion of tax incentives for investment in renewable energy, energy efficiency, and conservation. Among other things, the bill would extend the Commercial Building Tax Deduction (CBTD) for five years, through December 31, 2013. Established through the Energy Policy Act of 2005, the CBTD provides a tax deduction benefit that encourage building owners to install high-efficiency systems - lighting in particular - in new and existing buildings. According to National Lighting Bureau Communications Director John P. Bachner, the next stop for the bill will be the U.S. Senate where, insiders say, it is likely to be combined with other bills to achieve one "omnibus" piece of tax legislation. Senate consideration is not likely to occur until after the November elections. Existing CBTD benefits are set to expire on December 31 of this year.
4. **Green Schools at the Top of Agenda for U.S. Communities** - America's schools are registering for the U.S. Green Building Council's (USGBC) LEED certification program for green schools at a rate of one school per day. This trend shows the growing intention to build and operate schools that are more energy and water efficient, which will save taxpayers money. Green schools also have significantly improved indoor air quality, which results in healthier kids. For more information on green schools, visit [www.buildgreenschools.org](http://www.buildgreenschools.org). To find green schools in your neighborhood, visit [www.buildgreenschools.org/leed/leed\\_schools\\_maps.html](http://www.buildgreenschools.org/leed/leed_schools_maps.html)
5. **LEED-EB Gets a Makeover** - After a slow start, the rating system has been revamped to make it more relevant and user-friendly. As facility executives know, a building's environmental impact isn't concentrated during its construction phase, but is distributed over its life. LEED-EB helps facility executives make sure that a building operates sustainably throughout its life. Given the USGBC mission of transforming the built environment, it's critical to have a successful rating system dedicated to the much larger cadre of existing facilities. To turn that situation around, USGBC has launched LEED for Existing Buildings: Operations and Maintenance, more commonly referred to as LEED-EB: O&M. The revised system addresses issues that have slowed acceptance of the rating for existing buildings since it was launched in 2004. 06/'08 Building Operating Mgt.
6. **Turning Green Into Green** - The electrical marketplace is changing. While economic conditions may be challenging some segments of the market as well as having significant impact within geographic areas many perceive that customer demands are changing. To better penetrate the market it is important to understand customer needs. Based upon the research that Allen Ray Associates and Channel Marketing Group conducted (they received over 1000 responses and conducted over 80 interviews), they identified that much of the contractor, end-user and specifier issues relate to information sharing. According to respondents, few distributors have been effective in supporting their efforts. A vast majority of distributors can service customer needs, albeit solely through product fulfillment. It appears that few are investing in the resources desired to support customer needs. Opportunities abound for distributors and manufacturers to differentiate themselves through energy initiatives. For more information about the Green Survey, and to obtain a copy of the 83 page research report, contact the authors: Allen Ray [allen@allenray.com](mailto:allen@allenray.com) or David Gordon [dgordon@channelmkt.com](mailto:dgordon@channelmkt.com) Visit their blog at [www.electricaltrends.com](http://www.electricaltrends.com)

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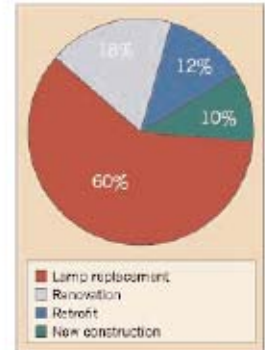
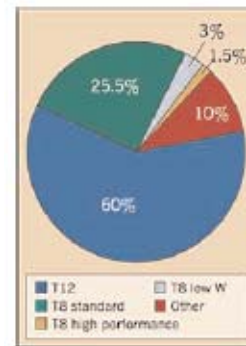
7. **Data Center Energy Efficiency Program Initiated** - A rare opportunity to participate in shaping the future ENERGY STAR Data Center Infrastructure Rating has been initiated by the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy (DOE). When completed, the rating will help data center operators assess the energy performance of their buildings' infrastructure assets and compare their performance with peers across the United States. The program, called the National Data Center Energy Efficiency Information Program, is engaging numerous industry stakeholders who are developing and deploying a variety of tools and informational resources to assist data center operators in their efforts to reduce energy consumption in their facilities.  
[www.energystar.gov/datacenters](http://www.energystar.gov/datacenters) 06/'08 Buildings
8. **Wal-Mart Green, U.S.**- according to the March 17 Investor's Business Daily, Wal-Mart "has gone a step further" in providing eco-friendly options for its customers. How? "It no longer carries the familiar incandescent light bulb.
9. **Solid-State Lighting Top of List for DOE** - The U.S. Department of Energy (DOE) is focusing most of its research and development budget on emerging technologies in solid-state lighting (SSL). The SSL research activities represent an essential component of the DOE's strategy for achieving zero-energy buildings - buildings that produce as much energy as they use. The development of highly efficient, cost-effective SSL technologies, along with advanced windows and space heating and cooling technologies, can help reduce total building energy use by 60 to 70 percent. This improvement in component and system energy efficiency, coupled with onsite renewable energy supply systems, can result in marketable net-zero energy buildings. [www.nrel.gov](http://www.nrel.gov)
10. **Lighting the Way to Better Health** - According to Health Facilities Management, new options for hospital lighting control systems are readily available, and one option that lets patients dim lights in the entire room or at the bedside involves the installation of standard dimming ballasts. Other emergent technologies whose deployment in the hospital environment is considered inevitable include LED lighting, which promises more efficiency than compact fluorescent lights; radio frequency identification (RFID) technology, which could be employed to store a patient's lighting preferences as well as track patients in the hospital; and colored lights, which may help in the healing process and could work in conjunction with RFID technology to adjust to patients with specific ailments. 06/'08 Electrical Contractor
11. **Better Light Gives Lift to Dementia Patients: Study** - Brightening the lights for elderly people with dementia, in combination with a daily dose of the sleep hormone melatonin, improved their mood, sleep, and overall well-being, Dutch researchers said on Tuesday. The study found exposure to bright light during daylight hours - from the sun through large windows and from added fluorescent fixtures - decreased mental deterioration by 5 percent compared to patients not exposed. There was a 19 percent relative reduction in depressive symptoms, and 53 percent relative slowing of their loss of ability to cope with daily living over the 15 months of the study, they reported in the Journal of the American Medical Association. 06/10 Reuters
12. **RONA Plans Canada-wide CFL Recycling** - Boucherville, Quebec-based DIY retailer RONA plans a program to collect and recycle compact fluorescent light bulbs (CFLs) across Canada at RONA, Reno-Depot, Totem and Chester Dawe stores. The retailer said consumers will be able to take their used CFLs to those store locations, where the bulbs can be collected for "safe recovery." The used bulbs will then be taken to a recycling facility, where certain components, including the mercury, can be extracted and reused. RONA currently operates a network of more than 680 corporate, franchise and affiliate stores of various sizes and formats. 05/30 HCN
13. **Fluorescent Lamps 101** - Understanding the basics of fluorescent lamps guarantees that you'll select the most appropriate fluorescent lighting, maximize lamp life, and dispose of spent lamps properly By Jana J. Madsen, managing editor at Buildings magazine, in the May 2008 issue of Buildings [jana.madsen@buildings.com](mailto:jana.madsen@buildings.com)
14. **Standards Deviant** - All lighting products sold in the United States are subject to industry standards governing safety and performance. Because testing and rating systems must be applied in the same way, these national standards enable consumers to compare products made by different manufacturers, or even across technologies, such as incandescent, fluorescent, and high-intensity discharge (HID). However, solid-state lighting (SSL) technology is a very different light source than its predecessors, making it an outcast from the existing standards covering the mechanical forms, electrical connections, and measurement of traditional lighting technologies. Soon-to-be-released LED standards, accelerated by the U.S. Department of Energy, may help avoid specification confusion and promote further market penetration of the technology. 04/01 EC&M

**NATIONAL ENERGY ISSUES TO WATCH (continued):**

15. **First-Quarter 2008 Lighting Systems Index Results. Lull Before the Storm?** - "Troubling" is how the National Lighting Bureau (NLB) describes first-quarter-2008 NEMA Lighting Systems Index data. The Index, established in 1998, is a composite measure of lamps, luminaires, ballasts, emergency lighting, exit signs, and other lighting products shipped nationally and internationally from the United States by the 430 companies that comprise the National Electrical Manufacturers Association (NEMA). NEMA members manufacture a wide range of products used in the generation, transmission, distribution, and control of electricity, as well as innumerable end-use products in addition to those used in lighting. The value of NEMA members' annual shipments totals \$100 billion. The NEMA Lighting Systems Index can be viewed at [www.nlb.org/Index/](http://www.nlb.org/Index/)



16. **Business Opportunities in the Commercial Lighting Arena** - Department of Energy (DOE) research indicates that current lighting technology breakdown for commercial buildings is still dominated by T12 lamps and the approximate breakdown of lighting needs in commercial facilities are lamp replacement. 04/'08 EC&M



17. **Amerlux Introduces LED Track** - The Cylindrix II LED track luminaire integrates the latest LED technology into a thermally efficient, long lasting, high-output accent and display luminaire. It features the latest high power, warm white LED technology that delivers high performance lighting with color temperatures similar to that of incandescent. [www.amerlux.com](http://www.amerlux.com)



C2TV-LED

18. **AEE Energy Management Master Planning + Sustainable Green Buildings Online Seminars -**

<u>Developing an Energy Mgt. Master Plan</u>	<u>Sustainable Green Buildings:</u>
Instructed by Fredric S. Goldner, C.E.M.	Introduction to LEED® for NC & EB
	Instructed by Nick Stecky, C.E.M., LEED
A 6-Hour Distance Learning Seminar	A 4-Hour Distance Learning Seminar
Earns 0.6 CEU / 6 PDH	Earns 0.4 CEU / 4 PDH
Presented in 3 live two-hour online sessions	Presented in 2 two-hour live online sessions
New Program Starts <b>July 9</b>	New Program Starts <b>July 10</b>

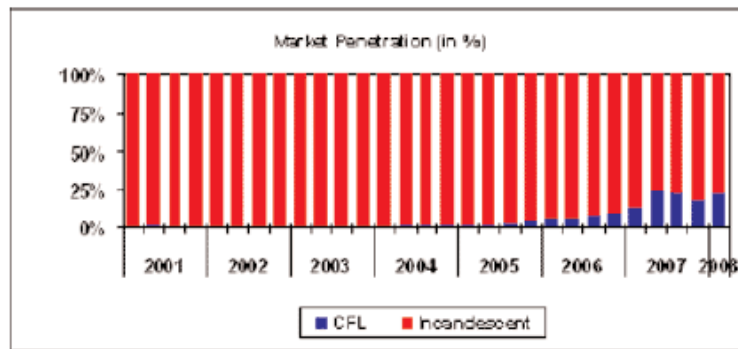
**STATE ENERGY ISSUES TO WATCH:**

- 19 **Con Edison Expands Demand Response Program** - Con Edison is expanding its demand response program for participating commercial and industrial customers who temporarily reduce their use of electricity on certain hot summer days. The new program incentives, designed to take effect this summer, will increase payments for commercial customers who commit to reducing their electricity use by a minimum of 50 kilowatts when requested. Customers may reduce their electricity use by dimming lights, turning off equipment not in use, or raising the temperature on indoor cooling systems. Customers will be compensated for the electricity not used during a power- curtailment event. They may also receive monthly compensation for guaranteed reduction in electricity consumption. To find out more information and to apply to the 2008 Demand Response Program, call 1-800-643-1289, or visit [www.coned.com/dr](http://www.coned.com/dr)  
07/23 MARKET WIRE
20. **Contractors and Utility Team Up** - Con Edison residential customers will save energy and money with new financial incentives for energy-efficiency home improvements through the New York State Energy Research and Development Authority's Home Performance with Energy Star program. Customers save on the initial costs of home improvements with financing as low as 1.99 percent or up to 25 percent cash back. The improvements through the program will allow customers to reduce energy bills up to 40 percent. The first step customers can take toward making energy-efficiency improvements is to schedule a comprehensive home assessment with a Building Performance Institute accredited home performance contractor. 05/'08 Electrical Contractor
21. **Long Island Rail Road Pays \$43,875 for Fluorescent Lamps in Trash** - Proper disposal or recycling of fluorescent lights is at the heart of the recent resolution of an EPA complaint against the Long Island Rail Road, which has agreed to pay \$43,875 to settle the case. EPA inspected the railroad's Hillside Maintenance Facility in Hollis, N.Y., last year, and based on that inspection and other information, the agency found violations in disposing of fluorescent light bulbs as regular garbage at three facilities. LIRR estimates that it generated nearly 260,000 spent fluorescent light bulbs from 2003 to 2005. In July 2005, the railroad determined its spent bulbs are wastes that needed special handling in accordance with EPA rules. LIRR immediately put a program into place to recycle and properly manage its spent bulbs. For more information about the federal rules for the proper disposal of mercury and other toxic metal-containing bulbs, visit <http://www.epa.gov/region02/waste/spentlamp.pdf> 06/04 TED
- 22 **N.H. Considers Turning Off Some Lights to Save Energy, Money** - A committee studying energy conservation in Jaffrey, N.H., is recommending that the town turn off more than a quarter of its streetlights. The Jaffrey Energy Committee says the town could save a substantial amount of money by removing at least 61 of its 225 streetlights and fitting the rest with lower wattage bulbs. Members of the group have split into teams and taken late-night tours of the town to get a sense of where lighting is the most critical, such as at intersections and crosswalks. Before making its final recommendation to the town, the group will study other towns that use lower-wattage bulbs. 06/05AP
- 23 **Energy Trust of Oregon Bumps Up Incentives** - The incentive per kilowatt hour saved will rise from 15 cents per kilowatt hour to 20 cents per kilowatt hour paid to industrial customers that invest in improving production efficiency.. The incentive applies to all custom electric efficiency projects and can be used for energy-efficiency upgrades such as pumps, motors and lighting. For more information about the incentive and the increase, go to Energy Trust's Web site at [www.energytrust.org/productionefficiency](http://www.energytrust.org/productionefficiency) 06/05 Daily Journal of Commerce
24. **Utah's Energy Efficiency Measures Starting to Pay Off** - A new report says a two-year effort to make Utah state government cleaner, greener and leaner is paying off. State officials say they're already seeing savings on dozens of energy efficiency measures taken by government agencies, universities and other state entities. Those efforts include installing more efficient light bulbs, buildings constructed with high performance standards and use of hybrid vehicles. It's all part of the state's goal, established by Gov. Jon Huntsman in 2006, to improve energy efficiency by 20 percent by 2015. So far, state officials say, \$1.8 million invested in lighting retrofits and other energy-saving efforts in state buildings are expected to provide \$675,000 in savings each year, or \$10.1 million over 15 years. Five buildings have been built with energy efficient "high performance" standards and 15 more are in the works. 06/03 AP
25. **State of California Launches the Nation's First Statewide Green Buildings Database** - The California Department of General Services today announced it has developed the nation's first statewide online database [www.greenbuildings.dgs.ca.gov](http://www.greenbuildings.dgs.ca.gov) of "green" buildings that employs Geographic Information Systems mapping technology. The online map will enable the public to track progress made toward achieving the energy and environmental goals of the governor's green building executive order (S-20-04). Issued in December 2004, the green building order requires all new state construction projects to be built to the U.S. Green Building Council's LEED standards. In addition, the state's biggest existing buildings (larger than 50,000 square feet) are pursuing LEED certification for energy- and resource-efficient operations and maintenance practices. The green building order calls for state agencies to reduce electricity use in state-owned buildings 20 percent by 2015 and encourages cities, counties and schools to do the same. 06/04 Business Wire

**STATE ENERGY ISSUES TO WATCH (continued):**

26 Short-Term Energy Outlook <http://www.eia.doe.gov/emeu/steo/pub/contents.html> -

- West Texas Intermediate (WTI) crude oil prices were on a rollercoaster ride upwards over the last month, increasing from \$113 to \$133 per barrel over the first 3 weeks on May, then falling back to \$122 on June 4 before surging to over \$138 by June 6. WTI prices, which averaged \$72 per barrel in 2007, are projected to average \$122 per barrel in 2008 and \$126 per barrel in 2009.
  - Regular-grade gasoline is expected to average \$3.78 per gallon in 2008, or 97 cents above the 2007 average price. The U.S. average regular gasoline price, currently over \$4 per gallon, is projected to peak at \$4.15 per gallon in August.
  - World oil consumption is projected to grow by 1 million barrels per day (bbl/d) in 2008.
  - The Henry Hub natural gas spot price averaged \$7.17 per thousand cubic feet (Mcf) in 2007 and is expected to average about \$11 per Mcf in both 2008 and 2009.
  - Average U.S. residential electricity prices are expected to increase by about 3.7 percent in 2008 and by 3.6 percent in 2009.
- 06/10 Energy Information Administration update
- Consumers increasingly substitute CFLs for traditional A-Line incandescent lamps (Lightsearch)



**MONTHLY FEATURE:**

Building Codes Assistance Project

Code Status: Commercial <http://www.bcacp-energy.org/node/21>

