

PRESIDENT'S QUOTE:

Welcome to the August edition of the Amerlux energy observer.

Legislation for energy efficiency is it really here for good? We have read so many articles about this subject over the years that people became immune to the information. However, now with the cost of oil and the potential increase in the cost of oil (see topic number 5) legislation to reduce energy consumption is finally growing some teeth. Here at Amerlux we have been on the forefront of design and producing energy efficient lighting instruments. Our new 20 watt ceramic metal halide Cylindrix and Evoke product lines are leading the way in energy conservation. After you review the Energy Observer please click on our new product section and review these two wonderful products. Small and sleek while producing superior light output and visual comfort all at only 20 watts. Now that is energy conservation. Only from Amerlux... "Watch Us Adapt. Test Our Ability".

Chuck Campagna
President & CEO

NATIONAL ENERGY ISSUES TO WATCH:



- 1. NAED Celebrates Centennial** - In 2008, the National Association of Electrical Distributors will commemorate its 100th year of service to the electrical industry. To start NAED's new century, the association has revamped its annual meeting and renamed it the NAED Electrical Leadership Summit. The Centennial Celebration will come to its finale at this meeting in May 2008 in San Francisco. TED Magazine will provide coverage of all distributors and manufacturer members who have passed the centennial landmark in the special commemorative April 2008 issue. <http://www.naed100.org/>
- 2. Senate and House Energy Bills Provide Large Energy Efficiency Savings and Emissions Reductions** - An analysis released today by the American Council for an Energy-Efficient Economy (ACEEE) finds that energy efficiency provisions in pending energy legislation in the Senate and House would reduce U.S. emissions of carbon dioxide in 2030 by a total 18% in 2030. The largest savings in the House efficiency package are from improvements to an existing program to update national and state building codes, and enactment of efficiency standards on incandescent lamps. Details can be found at <http://aceee.org/energy/national/nrgleg.htm>
- 3. DOE Solid-State Lighting Portfolio** - The U.S. Department of Energy and its partners are working to accelerate advances in solid-state lighting — a pivotal emerging technology that promises to fundamentally alter lighting in the future. No other lighting technology offers the Department and our nation so much potential to save energy and enhance the quality of our building environments. Register for solid-state lighting updates at <http://www.netl.doe.gov/ssl/>
- 4. Study Finds Occupancy Sensors Routinely Commissioned by Satisfied Contractors, but Suffer High Callback Rate** - by Craig DiLouie, Lighting Controls Association A new study conducted by ZING Communications, Inc., co-sponsored by the Lighting Controls Association and Watt Stopper/Legrand, suggests that electrical contractors routinely calibrate motion sensitivity and time delay settings in occupancy sensor installations; recommend occupancy sensors in a majority of lighting retrofit projects; select time delay settings that on average support optimal energy savings and lamp life; and are satisfied with occupancy sensor performance, ease of installation and commissioning, and customer/occupant acceptance. However, the survey results also suggest that contractors nonetheless report a high rate of callbacks compared to previous research concerning other lighting technologies. The typical solution is to return to the job to adjust the time delay and sensitivity settings, according to the results.
- 5. Goldman: Oil May Hit \$95 This Year** - U.S. crude price could top \$90 a barrel this autumn and hit \$95 by the end of the year if OPEC keeps oil production capped at current levels, Goldman Sachs said in a report issued on Monday. 07/16 MoneyNews
- 6. New Education Express Courses Coming Soon** - Lighting Controls Association (LCA) has announced that EE203: Lighting & Commercial Energy Codes, a new online distance-education course, will be added to its popular Education Express program during the summer. LCA has also announced that EE204: Hi-Bay Lighting Upgrades will be added to Education Express in the early fall. <http://www.aboutlightingcontrols.org/>
- 7. Creating A Sustainable Energy Plan Instructed by David Mahoney** - Presented online in a series of three live two-hour sessions, this seminar will help you develop a systematic, process-driven approach to your energy program — one that integrates energy into your organization's overall business objectives, achieving results which will significantly improve economic performance. You can participate in the seminar from your office, home, or anywhere you have access to the internet and a phone. You'll have opportunities to interact with your instructor and colleagues in real time during the three live teleconferencing sessions. New program starts August 28... <http://www.aeecenter.org/realtime/sep/>

NATIONAL ENERGY ISSUES TO WATCH (continued):

8. **DOE and ASHRAE to Cooperate on Improved Building Energy Standards** - DOE and the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) have agreed to work together to toughen building energy standards so that by 2010, the standards will require buildings to use 30% less energy than buildings built to the 2004 standards.
<http://www.ashrae.org/pressroom/detail/16399>
9. **DOE Aims for 30 Percent Boost in its Energy Savings** - The U.S. Department of Energy (DOE) has launched the Transformational Energy Action Management (TEAM) initiative, a department-wide effort aimed at reducing energy intensity across the nationwide DOE complex by 30 percent. The TEAM initiative aims to meet or exceed the goals for increasing energy efficiency throughout the federal government already laid out by President Bush. Reducing energy intensity by 30 percent across the DOE complex will save approximately \$90 million in taxpayer dollars per year. This Initiative meets or exceeds energy efficiency goals mandated by the Energy Policy Act of 2005 (EPAAct), as well as Executive Order (EO #13423), announced in January 2007.
<http://www.energy.gov/news/5300.htm>
10. **DOE Hires Honeywell to Help It Cut Energy Consumption** - The U.S. Department of Energy (DOE) hired Honeywell to help it achieve its energy savings goals it announced this week.
[GreenBiz.com](http://www.GreenBiz.com)
11. **Green Building Revolution Is Here to Stay** - Green building is creating a new set of expectations, standards, regulations and codes - generally a whole new way of doing things for contractors. "Those who are willing to do green business early on will qualify for and win business on the front end of this revolution; contractors who drag their feet will not get the job." There are three major sets of standards driving green building:
 - **LEED** (Leadership in Energy and Environmental Design), a rating system which is the nationally accepted benchmark for the design, construction and operation of green buildings;
 - **California Title 24**, containing the state's energy conservation standards, and considered to be the strictest energy code in the country;
 - **ASHRAE 90.1**, minimum requirements for the energy-efficient design of most buildings, originally developed in response to the energy crisis of the 1970s.

08/07 Electrical Contractor
12. **NEMA Publication: Energy Efficiency for Electronic T8 Ballasts** - The National Electrical Manufacturers Association has published BL 2-2007 Energy Efficiency for Electronic Ballasts for T8 Fluorescent Lamps. This standard contains energy efficiency requirements for evaluating electronic ballasts designed for use with four-foot 32W T8 fluorescent lamps with a lumen output greater than or equal to 3100 lumens. It covers definitions, requirements, and markings. Ballasts that meet these requirements are labeled "NEMA Premium."
<http://www.nema.org/stds/BL2-2007.cfm>
13. **TAC & Schneider Electric Join the Clinton Climate Initiative** - TAC, a world leader in building automation, security systems and energy solutions, and its parent company, Schneider Electric, a world leader in power and automation solutions for buildings and industry announced that they have joined the Clinton Climate Initiative (CCI) in a global effort to help cities around the world improve the energy efficiency of buildings and decrease greenhouse gas emissions. TAC and Schneider Electric are the sixth world class companies selected for the global Energy Efficiency Building Retrofit Program, the first project of CCI.
<http://www.energyvortex.com/>
14. **Industrial/Commercial Lighting Fixture Revenues Reach Nearly \$4.2 Billion in 2006** - Research and Markets has announced the addition of Commercial, Industrial, and Institutional Electric Lighting Fixture Manufacturing Industry in the U.S. (Q2-2007 Edition). This U.S. industry comprises establishments primarily engaged in manufacturing commercial, industrial, and institutional electric lighting fixtures. The industry's revenue for the year 2006 was approximately \$4,190,000,000. The gross profit was 31.77% at \$1,331,163,000. There were 329 establishments in this industry in 2006 covered in the report. There are no import/export data for this industry, <http://www.researchandmarkets.com/reports/c59055>
15. **Directory of EPAAct 2005 Qualified Certifiers** - Are you an EPAAct 2005 Qualified Certifier (per IRS Notice 2006-52)? Get listed in NLB's Searchable Directory now! <http://www.nlb.org/certifiers.php>
16. **Strategic Energy Management Saves Money and Drives Sustainability Goals** - Owners of commercial buildings in the United States will spend about \$100 billion on electricity this year, and more than \$10 billion of it will be wasted due to inefficiency. Vacant floors are temperature controlled as if they were occupied, lights illuminate areas when no one is working, lights are brighter than necessary when people are working, and dozens of other inefficient practices cause energy costs to be higher than necessary. The good news is that facility and real estate professionals are becoming increasingly aware that operations can be more efficient, and many are doing some thing about it.

07/07 Buildings

NATIONAL ENERGY ISSUES TO WATCH (continued):

17. **Senate Rejects Renewable Energy Proposal** - The US Senate rejected a proposal that would require electric utilities to get at least 15 percent of power from renewable resources, such as wind, solar, biomass and geothermal, by 2020. The Senate rejected the proposal with a 56–39 vote, largely claiming most utilities would not be able to meet that mark. Many senators from the southern states claimed their states lacked the wind and reliable sun exposure the western states have. 07/07 Electrical Contractor
18. **TCP Announces National CFL Recycling Program** - TCP, Inc. a manufacturer of compact fluorescent lamps (CFLs), recently announced that it is offering a new CFL recycling program for retailers, municipalities and schools, which it says will make it easier for consumers to dispose of CFLs. <http://www.tcpi.com/>
19. **Rexel USA Now Offering Lamp, Ballast and Battery Recycling Services** - Rexel's customers can now take advantage of lamp, ballast and battery recycling services offered through the company's 325 locations across the U.S. Working with Veolia Environmental Services, Rexel will offer RECYCLEPAK kits and bulk recycling services. Customers who purchase lamps and ballasts from a Rexel branch can now buy recycling services from the same place. <http://www.energyvortex.com/>



20. **WEEC 2007, August 15-17, Georgia World Congress Center, Atlanta, Georgia** - The World Energy Engineering Congress (WEEC) will be holding its 30th annual conference from August 15-17 in Atlanta. Topics for this year's seminars include renewable and alternative energy, integrated building automation and energy management, lighting efficiency, and solar and fuel cell technologies. <http://www.energycongress.com>

STATE ENERGY ISSUES TO WATCH:



21. **MEEA Advances Energy Efficiency in the Midwest** - The Midwest Energy Efficiency Alliance (MEEA), the leading source on energy efficiency, announced measurable impacts with its diverse programs and policy initiatives. Through MEEA, the Midwest has the opportunity to lead the way on energy efficiency by partnering with utilities, manufacturers, retailers, consultants, environmental groups, government and individuals. Parties with diverse interests have come together to find solutions and affect change in the region. Policy Initiatives MEEA has an ambitious goal of increasing annual energy efficiency investments to more than \$1 billion across the Midwest by the year 2010. <http://www.mwalliance.org/>
22. **Mid-Atlantic Projects Down from 2006** - The U.S. Mid-Atlantic region is experiencing a decline in industrial project spending in 2007 when compared with 2006, says the May 2007 update of Sugar Land, Texas-based Industrial Info Resources' "North American Project Spending Index." According to the report, the Mid-Atlantic region is the only U.S. region currently showing a decline in spending when compared with last year. The region has decreased from \$24.76 billion in 2006 to \$21.64 billion in 2007, a 12.6% decline. 07/16 EC&M's ElectricalZone
23. **N.H. Companies Pledge to Reduce Energy Consumption** - More than 50 New Hampshire companies have pledged to reduce energy consumption if demands threatens to outpace supply. The agreements are part of a planning program called PeakSmart by Public Service of New Hampshire. The program is aimed at the hot days when electricity demand peaks. The largest companies have been asked to conserve power so service isn't interrupted to everyone else. To meet the goals, some companies shut off lights or cooling equipment. Others use backup generators. 07/22 The Boston Globe
24. **Con Edison Offers More Customers Energy Savings** - Consolidated Edison Company of New York, Inc. has hired four vendors to help expand the company's targeted demand side management program. The program is designed to help customers in certain neighborhoods reduce electricity use during peak usage periods by achieving permanent energy savings. The vendors hired are: Quality Conservation Services of New York; Public Energy Solutions of Englewood, N.J.; Free Lighting Corp. of Houston, Texas and WebEnergy.net, Inc, d/b/a Consumer Powerline of New York. Customers may save on their bills by installing energy efficient lighting, air conditioning, refrigeration, motors and clean distributed generation. Both residential and commercial customers may qualify, and there may be financial incentives for customers to offset installation costs. 07/12 MARKET WIRE

STATE ENERGY ISSUES TO WATCH (continued):

25. **Seminole Distributing More Than 100,000 CFLs to Promote Conservation** - As part of its efforts to be responsive to Governor Crist's call for increased conservation, Seminole Electric Cooperative, Inc. (Seminole), a non profit, wholesale power supplier, today announced its plans to continue with the implementation of an agreement reached with the Sierra Club to distribute 100,000 compact fluorescent light bulbs (CFLs). The CFLs are being provided to Seminole's 10 distribution cooperatives to give to their retail member-consumers. The agreement with the Sierra Club resulted from Seminole's outreach efforts to obtain support for a planned third coal unit at its existing site in Palatka, Florida. 08/01 PRNewswire
26. **Florida Executive Orders Aim to Cut Greenhouse Gases** - Florida Governor Charlie Crist signed three GHG-related executive orders, including one that sets targets of reducing the state's overall emissions to 2000 levels by 2017, to 1990 levels by 2025, and to 20% of 1990 levels by 2050. The order directs the Florida Department of Environmental Protection (DEP) to develop rules that set those same milestones for the state's electric utilities; to adopt California's GHG standards for motor vehicles; and to establish an idle reduction standard for diesel engines. It also directs the Florida Department of Community Affairs to convene the Florida Building Commission in order to set new building standards that increase the energy performance of new buildings by 15% by 2009. The department is also directed to set new standards that mandate a 15% increase in the efficiency of certain consumer products by 2009. 07/18 EERE

MONTHLY FEATURE:



<http://www1.eere.energy.gov/femp/>

The Federal Energy Management Program (FEMP) in the Office of Energy Efficiency and Renewable Energy promotes energy efficiency and the use of renewable energy resources at federal facilities all over the world including military installations and our very own DOE sites. The Federal government spends about \$10 billion annually on energy-using products and services for its buildings, operations, and transportation. As the world's largest volume-buyer of energy-related products, the federal government can reduce energy consumption and achieve enormous cost savings by purchasing energy-efficient products. Federal buyers are now required by the Energy Policy Act of 2005 to purchase products that are ENERGY STAR®-qualified or FEMP-designated. These products are in the upper 25% of energy efficiency in their class. The purchasing requirements are codified by FAR Part 23. In addition, Executive Order 13221 requires that federal agencies purchase products with low standby power.

FEMP helps federal purchasers identify these types of highly efficient products. A list of all of the ENERGY STAR-qualified or FEMP-designated products is available for download (PDF 91 KB, 1 pp).

Below are links to FEMP's Purchasing Specifications for Energy-Efficient Products for lighting products commonly purchased by federal agencies. Each PEER provides a 1-2 page summary with buyer tips, cost-effectiveness examples, and additional product information resources.

Lighting

- Compact Fluorescent Lamps
- Fluorescent Tube Lamps
- Fluorescent Ballasts
- Fluorescent Luminaires
- Downlight Luminaires
- Industrial HID Luminaires
- Exit Signs
- Lighting Controls
- More Lighting Guidance

Companies selling energy-efficient and green products and services have a special opportunity in the federal sector. Basic information on how to do business with the federal government is offered in the publication Federal Procurement Opportunities for "Green" Vendors.

http://www1.eere.energy.gov/femp/pdfs/green_vendors_read_sprd.pdf