

Don't Miss...

Electric Expo 2005

The Best Electrical Show in the East!

Electric Expo 2005 will be held Wednesday, October 26 and Thursday, October 27 at the Valley Forge Convention Center from 2:00 p.m. – 8:00 p.m. on Wednesday and 2:00 p.m. – 7:00 p.m. on Thursday. Show admission is FREE! However, there are fees associated with the luncheons. This year the Keynote Lunch on Wednesday, October 26 will feature **Michael Kuntz**, Vice-President and General Manager of Turner Construction Company. There will also be a special Architects and Engineers Luncheon on Thursday, October 27, featuring **Carl M. Watson**, PE, LC, Consulting Engineer, Applied Energy Solutions, speaking on understanding the new energy codes and their impact on facility lighting, CEU's available. Please see page

three for more details on the luncheons.

At the Expo you can sharpen your knowledge about the latest products and technologies. Also, six free seminars are available, one with CEU's. You can have some fun networking with colleagues. You can also satisfy your appetite with pizza and jumbo hot dogs on the show floor for \$2 while supplies last!

To register for the Expo, visit the EAP's web-site (www.eap.org). Register early and enter to win \$1,000! To make reservations for your stay during Electric Expo, you may call the hotel directly at (610) 337-2000. Be sure to mention that you are with the Electric Expo to qualify for the special convention rate!

Been to www.eap.org lately?

The EAP launches its re-vamped web-site

Check out the EAP's redesigned web-site; www.eap.org. The site offers the chance to pre-register for the 2005 Electric Expo, while at the same time being entered to win \$1,000 at the show! The new contractor referral program allows consumers easy access to EAP approved contractors as well as the opportunity to learn more about EAP's rebate programs, all at the touch of a button! Members keep up to date on industry events in addition to educational opportunities at the EAP.



Save The Date!!!

The EAP Annual Symposium on the Regional Economy and Construction Outlook

Holiday Celebration to Follow!

Don't miss Bill Dunkleberger's analysis of our economy in the Philadelphia region. Bill is chief economist for the National Federation of Independent Business and a professor at Temple University. Insightful and sometimes irreverent, listen for Bill's weekend commentaries on KYW-AM.

Date and Time: Tuesday, December 6, 2005 at 4:00 p.m.

Location: The EAP Offices

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Health Insurance...TAI Rules



Patricia Condron
of the Administrators, Inc. assists
The EAP with its healthcare
insurance plans.

The mission of EAP's health insurance administrator – The Administrators, Inc. (TAI) - is to make insurance as easy as possible for members to access and manage. When you get your insurance through EAP, TAI deals with the insurance carrier and keeps you out of "voice mail jail." Plus, they look for alternative programs to reduce costs, so you don't have to.

With that in mind, here's some information you need to know...

Members with Insurance through EAP

Open Enrollment is a period in which you can upgrade your insurance. With a new year approaching, it is also a good time to consider more affordable options available through your EAP membership.

Plus, during Open Enrollment you can add a dependent or employee for any reason. During the rest of the year, a

life-changing event must occur in order for an insurance carrier to add a dependent to an existing policy. A divorce, death, birth, adoption, marriage or loss of job are all considered life changing events.

The effective date for any change during Open Enrollment will be January 1, 2006. To ensure that your change can be processed by that date, **please speak with your TAI Account Executive Pat Condron in November.**

Members with Insurance Elsewhere

A valuable benefit of EAP membership is having access to group health insurance programs and top-of-the-line customer service.

From your first call to TAI, you'll experience the difference. Your TAI Account Executive Pat Condron will be your personal insurance guide and will help you select and enroll in the best product for your benefit needs – including determining if you are overpaying for your insurance. Once you are enrolled, TAI's Customer Service Department will help with all of your policy changes, claim issues, lost cards and benefit questions.

Let TAI's Pat Condron start you on your way to more affordable health coverage. Call (800) 634-4428 today.

Come to Electric Expo 2005

Who Attends the Expo?

Electrical Contractors, Electrical Engineers, Architects, Distributors, Maintenance and Plant Engineers, Purchasing Agents, Specifiers, Building Owners, OEM Customers, Utilities, and Voice/Data Contractors come to see what new products the exhibitors will introduce at the Expo. This is a unique opportunity to see the latest and greatest the industry has to offer!

Who Exhibits at the Expo?

The Electric Expo exhibitor base is comprised of manufacturers of commercial, industrial, residential, institutional, government, utilities, HVAC, and voice/data products. We also have a number of exhibitors that provide services related to the electrical industry, such as testing and computer software products. Exhibitors travel to the Expo from across the United States and Canada. They realize that the Expo is great place to meet potential customers face to face and offer new product demonstrations.

We'll Get You There!

Participating distributors offer customers transportation to the Expo! The Expo boasts as many as 25 buses from destinations as far north as Scranton, PA, as far west as York, PA, as far east as Trenton, NJ, and as far south as Dover, DE. This program offers a great opportunity to spend a few hours with other industry professionals in a very relaxing environment.

You Won't Go Hungry

Back again is the popular sale of pizza and jumbo hot dogs for \$2 on the show floor. Cash bars will also be available to quench your thirst. The food and bars will be available from 4:00 p.m. – 7:00 p.m. both days while supplies last.

Need Information 24/7?

Visit our website at www.eap.org, click on Events, Courses & Shows to get connected to the latest information about the Expo. You can register online, see who

Electric
EXPO
2005

Wednesday, October 26
and
Thursday, October 27
Valley Forge Convention Center
King of Prussia, PA

Pre-register Early
for a Chance to Win \$1,000

is exhibiting, get directions and hotel information, and more just with a click of a button.

Electric Expo 2005 Featured Luncheons

Keynote Luncheon

Wednesday, October 26, 2005

12:30 p.m. – 2:00 p.m. (Lunch registration open at 12:00 p.m.
Please register for Expo first.)

Valley Forge Park Ballroom

Speaker: **Michael Kuntz**

Vice-President and General Manager, Turner Construction Company

*“Economic Climate for Construction in the Philadelphia Region” and
“What Makes A Successful Project?”*

Don't miss Michael Kuntz's analysis of the regional economic climate and what makes a successful project. He is in a position to know. Turner Construction Company (TCC) has a construction volume world-wide of over \$8 billion, and is actively involved in projects in the Philadelphia region. Mr. Kuntz will discuss (1) the current state of the construction business here in the Philadelphia region; (2) what makes a successful project including relationships between owners, architects, engineers, and contractors; and (3) the outlook and challenges for the future.

Lunch registration will begin at 12:00 p.m. and lunch will be served at 12:30 p.m. Mr. Kuntz will begin his address at approximately 1 p.m. The Expo opens at 2 p.m.

Please pre-register (see enclosed) or register onsite for Expo on Concourse Level before proceeding to lunch.

Cost: \$35 thru Friday, October 21, 2005
\$40 after Friday, October 21, 2005

Architects and Engineers Special Luncheon

(CEU's Available)

Thursday, October 27, 2005

12:00 noon – 2:30 p.m. (Lunch registration open at 11:30;
Lunch served at noon)

Valley Forge Park Ballroom

Speaker: **Carl M. Watson, PE, LC**

Consulting Engineer, Applied Energy Solutions

“Understanding the New Energy Codes and Their Impact on Facility Lighting”

Gain an understanding of the new lighting and electrical provisions of the IESNA/ASHRAE/ANSI Standard 90.1, as well as its consequences for facility lighting during renovations and new construction projects. Additional topics will include the mandatory requirements and the two alternative prescriptive path approaches for code compliance for interior and exterior lighting. Emphasis will be given on how Standard 90.1 integrates into the fabric of the International Building Code regulations and the International Energy Conservation Code. A comparison between IECC and ASHRAE requirements will be provided.

Target Audience: Architects, Engineers, Lighting Designers, Specifiers, Consultants, Facility Managers, Manufacturers, Distributors, Interior Designers, Inspectors and Contractors

Please pre-register (see enclosed) or register onsite for Expo on Concourse Level before proceeding to lunch.

Cost: \$35 thru Friday, October 21, 2005
\$40 after Friday, October 21, 2005

Thank You Bucks-Mont Outing Golfers & Sponsors!

The EAP Bucks-Montgomery County Electrical Contractors Section Executive Committee would like to that all those who golfed as well as helped sponsor its successful golf outing at Sandy Run Country Club on Monday, September 12, 2005.

The winner of the day was Mike Saber with a low gross score of 76. Other winners were Bill Krause, low net, Dan Azeff closest to the pin on hole #10, Barry Hoyt, closest to the pin on hole #12, and Tom Miller, longest drive. No one was lucky enough this year to land a hole in one for one of the top prizes, but there is always next year!

Thanks to our sponsors who made the day so enjoyable:

Dinner Sponsored by: Cooper Electric

Hole-in-one Prize Sponsors:

Franklin Electric Company - Chevrolet Colorado
Colonial Electric Supply – Round-Trip Airline Tickets
Code Inspections – Flat Screen Television
Big Bertha Golf Clubs – Billows Electric Supply
\$1,000,000 Shoot Out- The EAP Bucks-Montgomery
Section

Contest Holes:

Carr & Duff – Closest to the Pin
Silas Bolef Company – Closest to the Pin
Code Inspections – Longest Drive
Staley Electric Supply – Straightest Drive

Hole Sponsors:

All Current Electrical Sales
Biben Sales
Burlington Electrical Testing Co.
Certified Electrical Sales
County Electric Supply Co., Inc.
Denney Electric Supply of Ambler
H.B. Miller div. of H.B. Frazer
Omni Cable
Penn Panel & Box Company
Rumsey Electric
Systems Control Associates, Inc
Thomas & Betts
Union Electric Contracting
United Inspections

Beverage and Snack Station Sponsors:

PECO
All Current Electrical Sales

Special thanks to Golf Outing Chairman Charlie Gallagher of Burlington Electrical Testing who worked tirelessly to make this event such a great success. As well as Randy Roberts of H. B. Miller, division of H.B. Frazer, and his wife Morgan, for being our hole-in-one witness for the day.

By: Michal Hofkin
IECA, IAEI, EAP, NFPA

In this installment of the Code Corner we will take a look at some common grounding and bonding issues.

The purpose of grounding is to limit damage to our system from over-voltages or lightning, and to stabilize the voltage to earth during regular operation.

It is not to facilitate the operation of over-current devices. That is why we only ground at the service. The idea is to protect our system where it enters the building.

Bonding is the interconnection of all metallic parts in order to form the *effective ground-fault current path*. It is this path that enables our over-current devices to operate. Aside from certain connections at the service equipment, almost every other connection in the grounding system is actually a *bonding* connection. Connectors, couplings, setscrews, green screws, non-green screws, locknuts, etc. are all a critical part of this effective ground-fault current path. When we have a fault to ground, every piece of metal between the fault and the neutral bar of the service equipment (which is where all equipment grounding conductors eventually connect to) is crucial in order to ensure that the maximum amount of fault current flows through the ground fault. It is this high fault current that serves to quickly operate the over-current device and de-energize the circuit.

As you can see, the connection to cold water, building steel, and/or the ground rod does not play a part in the tripping of a circuit breaker or the blowing of a fuse. The current that flows along the effective ground-fault current path is seeking the neutral of the transformer ahead of it, not earth. However, if we should forget to install the main bonding jumper, then we would have a very dangerous situation. The main bonding jumper serves to connect the equipment-grounding bar to the grounded circuit conductor (neutral) bar. Please note that the jumper installed in most residential applications is not a main bonding jumper, but an

equipment bonding jumper, as it serves only to connect the body of the panel to the equipment grounding conductor. When a ground fault occurs, the current flows along the effective ground-fault current path (all the metal, EGCs, and bonding jumpers) to the equipment-grounding bar, then along the main bonding jumper to the grounded circuit conductor (neutral) bar. From there, it travels along the service grounded conductor back to the transformer that supplies the power for the system.

Now I would like to clarify the bonding of boxes. In Section 250.148(A-E) we are informed that if the equipment grounding conductor (EGC) is present in a box where there will be splices or terminations, then the EGC must be bonded to the box. If the box is only a pull-box with no splices or terminations AND we have used a metallic raceway that is itself a suitable EGC, then we do not have to connect the wire-type EGC to the box. The rule is quite clear: in general, *the box always has to be bonded*.

Furthermore, the EGC connection shall not depend on a device. By way of example, if the continuity of the EGC to the box is broken if I remove a receptacle from the box, then the installation does not meet the requirements of Section 250.148(B). This rule is to prevent someone from connecting the EGC to a self-grounding receptacle, installing the receptacle, and then claiming that the box is now bonded via the receptacle's self-grounding tab. Unfortunately, bonding does not work this way. That receptacle tab is there only to bond the receptacle, NOT the box.

I will dedicate the last portion of this column to a simple request. Please make sure that every metallic connection you make is tight and secure. Each of these connections is part of the effective ground-fault current path. Since a chain is only as strong as it's weakest link, you must ensure, through sound installation practices, that every link in this chain is strong enough to carry the available fault current in it's part of the system. One loose locknut can lead to catastrophic damage in a system, so be vigilant!

The above is not a formal interpretation of the National Electrical Code.

EAP Educational Foundation Awards 2005 Scholarships

The Educational Foundation of The Electrical Association of Philadelphia is pleased to announce its 2005 scholarship recipients. Each student received a \$2,000 scholarship toward his or her education.

Robert Gebhardt Jr.

Son of Robert Gebhardt Sr. of The Village Electrician. Robert is attending Villanova University with plans to major in Business Management.

Adam Shelly

Son of Bruce Shelly of Shelly Electric. Adam is attending Washington University and has not yet declared a major.

Susanna Thomforde-Garner

Daughter of Lee Garner of Lee Garner

Electric. Susanna is attending Houghton College and is undecided on her major.

Michael Giaccio

The Technical Scholarship was awarded this year to Michael Giaccio, son of Jack Giaccio of Billows Electric. Supply This scholarship is offered to a student entering or currently enrolled in a technical program related to the electrical industry at a full-time accredited post-secondary technical school or community college.

This scholarship project highlights the vital role that employers play in shaping the future by providing educational opportunities for members and their children. Thanks to the generous sponsors of



The Educational Foundation of The Electrical Association of Philadelphia, The EAP is able to assist in the development of our future leaders, and in the pursuit of one of our nation's most important goals – education.

Contributions are still being accepted. Please consider giving at one of the following levels:

Professor Emeritus - \$3,000

Full Professor - \$1,000

Doctorate Degree - \$500

Master's Degree - \$300

Bachelor's Degree - \$100



Fall Heating & Air Conditioning Section Rebate Programs Begin

High Efficiency Heat Pump and Air Conditioning Rebate Program Continues to Boost Sales!

The Fall EAP Heating & Air Conditioning Program is underway. Over 70 EAP contractors are participating in the Fall 2005 High Efficiency Heat Pump and Air Conditioning Rebate Program, which offers customers the opportunity to receive a \$200, \$400 or \$500 rebate depend-

ing on the efficiency rating of the installed equipment. The rebate is offered on full systems only (outdoor unit, indoor fan bearing unit/furnace, and coil) and is valid for new or replacement systems (and not on new construction).

The Association is again grateful to PECO Energy for promoting this program to its customers. Over one million PECO Energy customers received a bill insert promoting the rebate in their September and October electric bills. PECO also made the bill inserts available at no charge to participating contractors to use as marketing tools.

Those with questions about the program can contact Alicia Thomas at (610) 825-1600, extension 10 or by email at alicia@eap.org. Although it is too late for contractors to enroll in the program, she can answer any questions or make sure you receive information about future programs.

New Gas Conversion Rebate Program Added

The Electrical Association of Philadelphia (The EAP) is pleased to announce that we continue to administer the Natural Gas Conversion Rebate Program, or the GAMS Program, in partnership with PECO Energy. This program is designed to get customers who are along a gas main to convert to natural gas through a rebate incentive of \$200 directly from PECO. As part of this program, participating contractors may also offer rebates

up to \$500 on natural gas equipment to help close sales and boost their business.

Participating contractors will receive exclusive, assigned leads directly from PECO Energy that they then contact to make their sale. Contractors may also take advantage of the program to make sales yourself. The leads are generated through special PECO call center that has the capability to give customers an estimate on installing the gas line to their homes and qualify leads. Leads are then assigned to participating contractors, followed through, and closed using an internet-based system. Contractors must attend a mandatory training session to participate in the program.

Customers will receive a \$200 rebate applied to their PECO bill when they make the switch to natural gas heat. They may even be eligible for additional PECO credits toward the installation costs of a natural gas line for each qualifying natural gas appliance installed. To receive this \$200 credit the customer must convert their *PRIMARY* heating source to natural gas. Backup units, water-heaters, fireplaces and appliances are not eligible. The customer may be eligible for additional rebates for up to \$500 if they work with participating contractors and manufacturers to purchase and install high-efficiency equipment. The rebate amounts are dependent upon the efficiency of the equipment.

The Association is again grateful to PECO Energy for allowing us to partner in this program. Over eighty thousand PECO Energy customers received a special notice regarding the rebates. These customers were targeted based on the size of the gas main located near their homes.

Those with questions about the program can contact Kate Healy at (610) 825-1600, extension 12 or by email at kate@eap.org. Although it is too late for contractors to enroll in the program, she can answer any questions or make sure you receive information about future programs.

What Can The EAP Do For You?

In each issue of the **EA Extra**, we will highlight selected member benefits for use exclusively by our members.

Contractor Referral Program

Mair Malfara

(610) 825-1600, extension 14
mair@eap.org

Open to both HVAC and Electrical Contractors, the Contractor Referral Program is designed to increase the business of EAP member contractors. Contractors may join the program free of charge, and are referred based on the size, type of work, and location of the job.

Payroll Services

Dwight Price

(610) 825-1600, extension 11
dwight@eap.org

Payroll services, administered by Paychex, Inc., are offered at a 25% discount to newly enrolled EAP members. Any business owner with at least one employee knows that administering the company payroll can be a challenge. You not only have to calculate the payroll but determine and file tax returns, keep the records, and determine calculations based on employee benefits. Paychex eases these burdens and saves valuable time for 450,000 business nationwide.

Safety and Environmental Compliance

Dwight Price

(610) 825-1600, extension 11
dwight@eap.org

Compliance Management International, Inc. (CMI) now offers safety, workers' compensation, and environmental consultation services to EAP member companies. Ask CMI a question at no charge through their "hotline" – an EAP member benefit. A member discount is available.

Welcome New Members!

Nine New Members Join the EAP Ranks

The Electrical Association of Philadelphia Board of Governors is pleased to welcome these new members.

Powell's Electric Company

New Member- Associate

Jason Burns

304 Bon Air Avenue
Hatboro, PA 19040-4698
Phone: (215) 675-0152
Fax: (215) 441-4344
Thanks to Powell's Electric for sponsoring their new member!

E. B. Electric, Inc.

Electrical Contractor

Edward Banas

5 South State Road
Upper Darby, PA 19082
Phone: (610) 713-9940
Fax: (610) 713-9950
Email:

ebelectric@verizon.net

Thanks to Joe Noone at Four D Electric and Dane C. Mayson at Denney Electric for sponsoring E.B. Electric, Inc.

ICMG, Inc

Electrical Contractor

George Rost

600 W. Germantown Pike
Plymouth Meeting, PA 19462
Phone: (610) 940-1704
Fax: (267) 200-0064
Email: grost@icmg-inc.com
Thanks to Wilston Rost at WEJ Inc. and Tom Reilly at Code Inspections for sponsoring ICMG, Inc.

Robert Jarman Electrical Contractor

Electrical Contractor

Robert Jarman

909 Fairview Road
Swarthmore, PA 19081
Phone: (610) 544-6311
Fax: (610) 544-6311
Email: Boattime01@rcn.com
Thanks to Howard Donners at Eagle Electric Supply and Ron Tegethoff at Tegethoff Electric for sponsoring Robert Jarman Electrical Contractor.

McGuire Electrical Contracting

Electrical Contractor

Gerald R. McGuire

80 S. Main Street
Red Hill, PA 18076

Phone: (215) 679-8600
Fax: (215) 679-8658
Email: mecinc2004@verizon.net

Thanks to Chris Machalette at Denney Electric Supply and Pete Geonnotti at Colonial Electric for sponsoring McGuire Electrical Contracting

H. R. Benjamin, Inc.

Electrical Contractor

Rich Hoffman

3525 Amber Street
Philadelphia, PA 19134
Phone: (215) 535-5200
Fax: (215) 535-2930
Email:

rhoffman@hrbelec.com

Thanks to Nate Carabello at United Electric Supply and Renard Rose at Colonial Electric for Sponsoring H.R. Benjamin, Inc.

SWC Industries, Inc.

Manufacturer's Rep

Stephen W. Crognale, Sr.

1730 Stout Drive, Suite 1
Warminster, PA 18901
Phone: (215) 328-9100
Fax: (215) 328-9081
Email: steven@swc-wistex.com

Web: www.swc-wistex.com
Thanks to Dave Sterlace at ABB and Frank Baselice at WESCO for sponsoring SWC Industries, Inc.

J. Gillies Htg. & A/C

Heating & Air

J. Gillies Htg. & A/C

2806 S. Warnock Street
Philadelphia, PA 19148
Phone: (215) 468-9444
Fax: (215) 468-7877
Thanks to Kent Haley at Lyon Conklin and Chuck Baur at P&N Distribution for sponsoring J. Gillies Htg & A/C.

William T. Wade & Son

Electrical Contractor

Ed Wade

122 E. Cleveland Avenue
Norwood, PA 19074-1102
Phone: (610) 721-9598
Thanks to Stan Altzman at Code

Inspections and Don Kaut at Natale Electric for Sponsoring William T. Wade & Son.

Generac Power Systems

Manufacturer

Jared Pierson

P.O. Box 8
Waukesha, WI 53817
Phone: (262) 544-4811
Fax: (262) 968-6940

Thanks to Joe Hanna at Fromm Electric and Steve Bellwoar at

Colonial Electric for sponsoring Generac Power Systems

Broad Run Consultants

Technical Academic

John F. Kaldon

1126 Broad Run Road
Coatesville, PA 19320
Phone: (610) 486-6721
Fax: (610) 486-0854

Thanks to Sam Messina at Messina's Electrical Service and Frank Clark at Certified Electrical for sponsoring Broad Run Consultants.

The Lighting Education Institute

Technical Academic

Craig Bernecker

409 Rennard Drive
Exton, PA 19341
Phone: (610) 524-7969
Fax: (610) 524-8969

Thanks to Fod Vick at The Barney Roth Co. and Jack Beiter at E-finity Energy for sponsoring The Lighting Education Institute.

Antonio Zullo Electric

Electrical Contractor

Antonio Zullo

492 S. Gulph Road
King of Prussia, PA 19406
Phone: (610) 496-9407
Fax: (610) 357-9135

Thanks to Wally Harris at Atlantic Inland, Inc. and Debbie at Rittenhouse Electric Supply Co. for sponsoring Antonio Zullo Electric.

Get Connected with the Industry Calendar

October

2-5

IESNA Street and Area Lighting Conference

Info: (212) 248-5000 or
www.iesna.org

5-8

IEC National Convention and Electric Expo

Info: (703) 549-7351 or
www.iec.org

7-12

IMARK Annual Meeting

Info: (301) 567-8888 or
www.imarkgroup.com

9-12

NALMCO Annual Convention and Trade Show

Info: (515) 243-2360 or
www.nalmco.org

16-19

SMACNA Annual Conference

Info: (703) 803-2980 or
www.smacna.org

26-27

EAP Electric Expo 2005

Info: (610) 825-1600 or
www.eap.org/expo.htm

November

2-5

NAED Eastern Region Conference

Info: (888) 791-2512 or
www.naed.org

6-8

STAFDA Annual Convention and Trade Show

Info: (800) 352-2981 or
www.stafda.org

December

6

EAP Economic Symposium and Holiday Party

Info: (610) 825-1600 x14

Electric Expo 2005 Registration Form

(Or Register Online at www.eap.org)

Pre-register by Friday, October 21, 2005, attend the Expo, and be eligible to win a cash prize of \$1,000!
(Badges will be mailed to attendees who have pre-registered by Monday, October 10, 2005.)

Name: _____ Title: _____
(First) (Last)

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Email: _____

Phone: _____ Fax: _____

Attendee Profile Information: (Please only ONE Profession box)

- | | | |
|---|--|--|
| <input type="checkbox"/> Architect | <input type="checkbox"/> Facility Manager / Owner | <input type="checkbox"/> Specifier |
| <input type="checkbox"/> Distributor | <input type="checkbox"/> Manufacturer (Exhibiting) | <input type="checkbox"/> Student |
| <input type="checkbox"/> Electrical Contractor | <input type="checkbox"/> Manufacturer (Non-Exhibiting) | <input type="checkbox"/> Utilities |
| <input type="checkbox"/> Electrical Engineer | <input type="checkbox"/> Manufacturer Representative | <input type="checkbox"/> Voice / Data Contractor |
| <input type="checkbox"/> Electrical Plant Engineer /
Electrical Maintenance Engineer | <input type="checkbox"/> OEM | <input type="checkbox"/> Other _____ |
| | <input type="checkbox"/> Purchasing Agent | |

CHECK ALL THAT APPLY:

- Attending Exhibit Hall – Free Admission!  Check here if you need special assistance

Luncheon Registration (Payment must accompany registration form. Registrations are non-refundable.)

- Keynote Luncheon featuring Michael Kuntz, Vice-President and General Manager, Turner Construction Company**

“Economic Climate for Construction in the Philadelphia Region” and “What Makes A Successful Project?”

Wednesday, October 26, 2005: 12:30 p.m. – 2:00 p.m.

\$35 thru Friday, October 21, 2005 / \$40 after Friday, October 21, 2005

- Architects and Engineers Special Luncheon featuring Carl Watson, PE, LC, Consulting Engineer, Applied Energy Solutions**

“Understanding the New Energy Codes and Their Impact on Facility Lighting”

Thursday, October 27, 2005: 12:00 noon – 2:30 p.m.

\$35 thru Friday, October 21, 2005 / \$40 after Friday, October 21, 2005

Seminar Registration (All seminars are FREE – compliments of EAP and partners!)

Wednesday, October 26, 2005

- 2:00 to 5:00 p.m. “Heating Cable Solutions”
 3:00 to 5:00 p.m. “NEC Code Update for Engineers”
(CEU’s Available)
 5:00 to 6:00 p.m. “Arc Flash Safety”

Thursday, October 27, 2005

- 2:00 to 3:00 p.m. “Lighting Pole Requirements & Their
Changing Role in Today’s Environment”
 2:00 to 4:00 p.m. “Applying Harmonic Solutions To Commercial
and Industrial Power Systems”
 3:00 to 5:00 p.m. “Lamp and Ballast Update”

Payment Information (Luncheons Only)

- Check enclosed (Please make checks payable to The Electrical Association of Philadelphia) ... or ...

Credit Card Number: _____ Expiration: _____

Name on Card: _____ Card Type: Visa MC AmEx

(Please circle)

Signature: _____

Submit your completed form to:

Electric Expo '05
c/o The Electrical Association of Philadelphia
7150 Winton Drive, Suite 300
Indianapolis, IN 46268

Phone: 800-816-9594
Fax: 317-328-4625

Email: eapreg@oquest.com
www.eap.org

Stay Connected with the EAP! Calendar Highlights



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October 2005

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October

- 6 - Delaware County Contractors Section Meeting – 6:30 p.m. Central Park Restaurant
- 26 - Electric Expo 2005 – 2:00 p.m. The Valley Forge Convention Center
- 27 - Electric Expo 2005 – 2:00 p.m. The Valley Forge Convention Center

November 2005

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

November

- 10 - Bucks-Montgomery Contractors Section Meeting – 6:00 p.m. at Sandy Run Country Club
- Executive Committee Meeting, 10:00 A.M. - The EAP Offices
- 15 - Board of Governors Meeting, Noon – The EAP Offices
- 24-25 - Thanksgiving, The EAP Offices Closed

December 2005

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December

- 6 - Annual Economic Symposium featuring Bill Dunkleberg – 4:00 p.m. at The EAP Offices. The Holiday Celebration will follow at 5:00 p.m.
- 23-26 - Holiday, The EAP Offices Closed

For a more extensive calendar listing, please see our web site at www.eap.org. For more details regarding the meetings listed above, please call (610) 825-1600, or email electric@eap.org.