



On behalf of:

The **Delaware Valley Power Quality Group**, established in 1993, is a volunteer not-for-profit organization dedicated to providing a state of the art educational forum for the exchange of information pertaining to Power Quality issues and the most technically up to date products and practices.

Directions and map



Located East of US 1, South of Philadelphia city limits. Entrance is off N. Lynn Blvd. in Upper Darby, PA. [North of the intersection of US 1 (Township Line Rd.) and Rt. 3 (West Chester Pike)] Online directions: <http://www.mccallgolf.com/directions.htm>

You are cordially invited to the  
Quarterly Meeting of the

### **Delaware Valley Power Quality Group**

to be held from 10:00 AM to 3:00 PM on  
Tuesday, June 7, 2005 at

#### **PECO Energy McCall Field Conference Center**

Meeting Agenda:

#### **Understanding the New Energy Codes and Their Impact on Facility Lighting & Power Quality Case Studies and Q&A Panel Session**

Main Speaker:

**Carl Watson, P.E., LC  
Applied Energy Solutions**

**Panel of Experts from the  
DVPQG Board**

**IT'S TIME TO RENEW YOUR DVPQG MEMBERSHIP**

**FOR 2005. 3 YEAR RENEWAL IS THE BEST VALUE!**

# Understanding the New Energy Codes and Their Impact on Facility Lighting

## Program Summary:

The new energy codes being adopted by Pennsylvania, Delaware and New Jersey will result in significant impact to building owners, consultants, designers, and contractors. 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 will be reviewed and discussed in this session. Additional topics will include the mandatory requirements and the two alternative prescriptive path approaches for code compliance for interior and exterior lighting. Case studies will be presented. Emphasis will also be given to 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. Finally, how these new codes impact local jurisdictions and the projects within them will be discussed.

**Speaker: Carl Watson, P.E. , LC**

Applied Energy Solutions

Mr. Watson, is an electrical engineer specializing in the development and implementation of very effective energy management solutions that optimize aesthetics, efficiency and maintainability. Having a wealth of professional experience in diverse technical fields, he is thoroughly versed in modern lighting technology and practices. Mr. Watson has been involved in a wide range of residential, commercial and industrial projects addressing lighting evaluation and design, energy audits and analysis, power quality investigations, engineering feasibility studies and project management.

Mr. Watson holds BS degree in Electrical Engineering and an MBA from Drexel University. He is active in a number of professional societies including the Illuminating Engineering Society of North America (IESNA) where he was recently honored with both Section and Regional awards as part of the International Illumination Design Awards program. He is a member of IEEE, a registered Professional Engineer in Pennsylvania, a member of the National Society of Professional Engineers (NSPE), and holds lighting certifications from the National Council on Qualifications for Lighting Professions (NCQLP) and the Association of Energy Engineers (AEE) Certified Lighting Efficiency Professional (CLEP) programs.

## Power Quality Case Studies and Q&A Panel Session

### Program Summary:

Members of the DVPQG Board will present some case studies from their vast array of expertise and knowledge followed by a question and answer panel session where the audience will be invited to bring their most interesting or challenging technical problems or questions for our panel of experts to comment on. Of course, our panel of experts may not be the definitive source of information on every topic and thus an open dialogue and comment by others from the audience will be highly encouraged.

**Speaker: Panel of Experts from the DVPQG Board and the Audience**

DVPQG Board members and you the members and audience in attendance.

### Meeting Information:

**Place: PECO Energy McCall Field  
Conference Center  
N. Lynn Blvd.  
Upper Darby, PA**

**Date: Tuesday, June 7, 2005**

**Time: 10:00 AM to 3:00 PM**

**Lunch Will Be Provided**

**Please respond by Fri., June 3rd, 2005**

REGISTRATION:

NAME:

COMPANY:

ADDRESS:

City:

State:

Zip:

PHONE: (     )

(include area code)

FAX:

E-Mail:

**Category:**  Academic  Contractor  Utility

Consultant  Manufacturer (Rep)  End User

### Registration Fee:

To become a 2005 member of the DVPQG and receive notification of all future meetings, training, and events, please select the appropriate option. Yearly membership runs from January 1 to December 31 of each year.

1.  Meeting – DVPQG Member \$ 35.00
2.  Meeting - Non-Member \$ 55.00
3.  Mtg. & 2005 Membership \$ 60.00
4.  Mtg. & (3) yr. Membership \$105.00
5.  2005 Membership Only \$ 30.00

**SEATING IS LIMITED! Please pre-register...Registration at the door is \$5.00 extra. (Cancellation and Refund: To cancel your registration and receive a full refund, you must contact DVPQG (i.e. email: treasurer@dvpqg.org or call 717.560.2743) at least 24 hours prior to the meeting. Otherwise, no refunds will be issued.)**

**Please mail this registration form and a check, made out to "Delaware Valley Power Quality Group, Inc.", for the appropriate registration to:**

Delaware Valley Power Quality Group, Inc.  
P.O. Box 511  
East Petersburg, PA 17520-0511  
www.dvpqg.org

**Please respond by June 3, 2005**

**Please be complete in filling out registration.**

You may also pre-register by E-mail to [registrations@dvpqg.org](mailto:registrations@dvpqg.org) and then mail your payment.