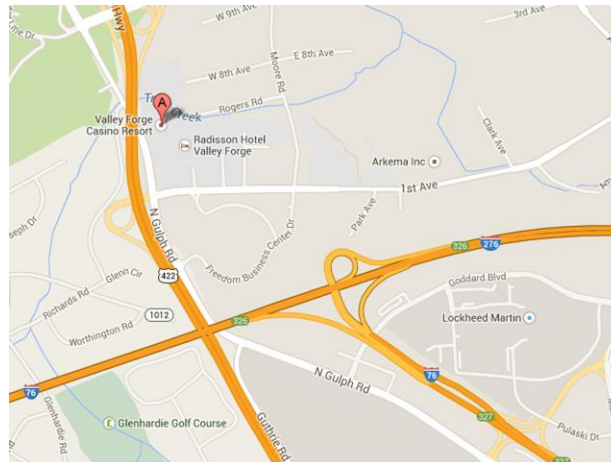




On behalf of:

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

The Valley Forge Casino Resort is located at 1160 1st Avenue, King of Prussia, PA. From the North, take PA 422 S. From the Northeast and East, take I-276 W to I-76 W to Exit 327 to N. Gulph Rd. From the West, take I-76 E to Exit 327 to N. Gulph Rd. From the South, take I-76 W to Exit 327-328A-328B to Guthrie Blvd.

Visit www.vfcasino.com for more info.

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
Monday, May 16th, 2016 at

Radisson Hotel - Valley Forge Casino Resort
1160 1st Avenue
King of Prussia, PA 19406

Meeting Agenda:

Power Quality Phenomenon

Main Speaker:

Rodrick John Van Wart
Senior Consultant
AVO Training Institute, Inc.

IT'S TIME TO RENEW YOUR DVPOG
MEMBERSHIP FOR 2016. 3 YEAR
RENEWAL IS THE BEST VALUE!

Power Quality Phenomenon

Program Description:

This presentation will define and discuss different Power Quality phenomenon.

Various types of short duration voltage variations shall be reviewed as well as discussing CBEMA and SEMI F47 analysis methods. Different types of transients and their causes shall be covered as well as their effect on system insulation and transformers. The effects of system unbalance will be examined as well as the various methods of calculating unbalance are to be reviewed. Harmonic orders and harmonic sequences and causes of harmonics shall be discussed. The presentation will also cover the heating effects (K factor) Harmonics have on transformers, covering winding loss as well as core loss. The definition and calculation of K Factor, used in Transformer de-rating shall be discussed as well as alternatives

Speaker: Rodrick John Van Wart, Senior Consultant, AVO Training, Inc.

Rodrick has over 18 years in the electrical utility industry. His expertise includes chairing the development of testing for the International Code Council's residential, commercial, and plans examiner electrical exams for inspectors for three years; Conducting training for the State of Iowa Electrical Examining Board members and support staff in licensing, permitting and inspection programs. Additionally, Rodrick has an understanding of the theory and principles of electricity and electronics. He has working knowledge of the National Electrical Code® (NEC®) and its applications. He has performed electrical plans examinations and conducted highly complex inspections. Rodrick has the fundamental knowledge of adult learning precepts and instruction in a classroom setting. He has been awarded "Top Gun" status at Mike Holt's instructor training conference. Designed, developed, and implemented new core curriculum subject matter. Graduated 634 Apprentice and 208 Third Class Nuclear Electricians with a total student contact time of 336,800 hours. Trained Engineering Officers of the Kuwaiti Naval Forces.

Meeting Information:

**Place: Radisson Hotel - Valley Forge
Casino Resort
1160 1st Avenue
King of Prussia, PA 19406**

Date: Mon., May 16th, 2016

Time: 10:00 AM to 3:00 PM

Lunch Will Be Provided

Please RSVP by Wed., May 11th, 2016

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: Check or Cash only

To become a 2016 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. <input type="checkbox"/> | Meeting – DVPQG Member | \$ 55.00 |
| 2. <input type="checkbox"/> | Meeting – Non-Member | \$ 75.00 |
| 3. <input type="checkbox"/> | Mtg. & 2016 Membership | \$ 80.00 |
| 4. <input type="checkbox"/> | Meeting & (3) yr. Membership | \$115.00 |
| 5. <input type="checkbox"/> | 2016 Membership (1 yr.) | \$ 30.00 |
| 6. <input type="checkbox"/> | 2016-2018 Membership (3 yr.) | \$ 75.00 |

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 717.252.4730) 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.
5410 Mt. Pisgah Rd.
York, PA 17406

Please respond by Wed., May 11th, 2016
Please be complete in filling out registration.

You may also pre-register by E-mail to registrations@dvpqg.org and then mail your payment.

Attendees receive Certificate of Completion for
4.0 Professional Development Hours!