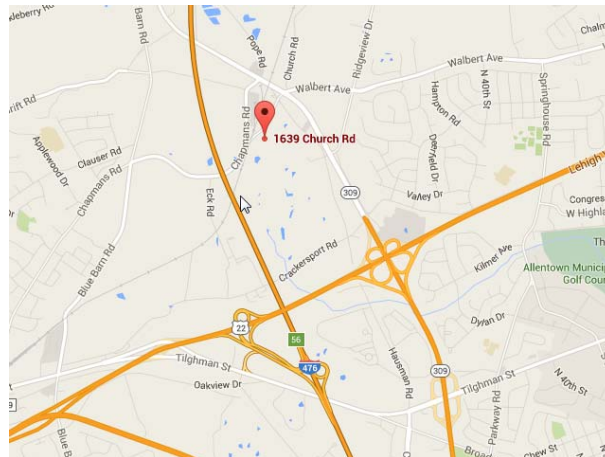




The **Delaware Valley Power Quality Group**, established in 1993, is a volunteer not-for-profit organization dedicated to providing a state of the art educational forum for the exchange of information pertaining to Power Quality issues and the most technically up to date products and practices.



Directions from the Philadelphia area:

Take I-476 North towards Allentown, PA. to Exit 56 onto US 22 East. Take US 22 East for about 1.5 miles. Merge onto PA-309 North towards Tamaqua for about 1.25 miles. Turn left onto Church Road for about 0.3 miles to the PPL Walbert Learning Center on the left at 1639 Church Road. When parking, utilize the '**First Move Forward**' approach by backing in so as to move forward when leaving. (Coord.: 40.608752, -75.570712 or N40° 36' 32", W75° 34' 15")

On behalf of:

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
Wednesday, March 20th, 2019 at

***PPL Walbert Learning Center
1639 Church Road
Allentown, PA 18104-9342
(GPS: Walbert or South Whitehall Twp., PA)***

Meeting Agenda:

Arc Flash Studies (NFPA 70E)

Main Speaker:

**Al Baum, P.E.
AB Engineering, LLC**

**IT'S TIME TO RENEW YOUR DVPQG
MEMBERSHIP FOR 2019. 3 YEAR
RENEWAL IS THE BEST VALUE!**

Arc Flash Studies (NFPA 70E)

Program Description:

Arc flash analyses and our commitment to the requirements of NFPA 70E have been the norm in our industry since the early 2000's. Over the last decade and a half, we've seen and reacted to changes in 70E every three years. However, the calculations from which our analyses have been based have not changed -- until now. IEEE 1584-2002 "IEEE Guide for Performing Arc-Flash Hazard Calculations" has finally been updated with the recent release of IEEE 1584-2018. This discussion will briefly review the basics of arc flash, explore the evolution of the subject over the last 15 years or so, and then dive into the significant changes of the new calculation guidelines. Practical methods to reduce high incident energy points will also be discussed.

Speaker: Al Baum, P.E., Principal, AB Engineering, LLC

Mr. Baum has over 30 years of industrial power systems and utility generation experience. His professional career started in 1988 with Westinghouse Power Generation Service. He has worked for Cutler Hammer in their engineering service group and then moved on to Square D Engineering Services as a senior power consulting engineer. In January 2007, Mr. Baum started his own engineering consulting practice in West Chester PA. Power engineering services include Short Circuit Studies, Device Coordination, Arc Flash Studies, Load Flow, Motor Starting, Power Quality, System/Equipment Assessments, Investigative Troubleshooting, Technical Training and Power Systems consulting. Mr. Baum has performed over 1000 Arc Flash Studies. Mr. Baum holds a BSEE, MBA and MSEE degrees. He holds a Professional Engineer License in 6 states. He is a past board member for DVPQG.

When parking at the Walbert Learning Center, utilize the 'First Move Forward' approach by backing in so as to move forward when leaving.

Meeting Information:

**Place: PPL Walbert Learning Center
1639 Church Road
Allentown (South Whitehall), PA
18104-9342**

**Date: Wednesday, Mar. 20th, 2019
Time: 10:00 AM to 3:00 PM**

**Lunch Will Be Provided
Please RSVP by Thursday, Mar. 14th, 2019**

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 2019 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. & 2019 Membership | \$ 80.00 |
| 4. <input type="checkbox"/> | Meeting & (3) yr. Membership | \$115.00 |
| 5. <input type="checkbox"/> | 2019 Membership (1 yr.) | \$ 30.00 |
| 6. <input type="checkbox"/> | 2019-2021 Membership (3 yr.) | \$ 75.00 |

SEATING IS LIMITED! Please pre-register...No new registrations at the door. (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 Mar. 14th, 2019
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 Hours!
(applicability and credit may vary between jurisdictions)