



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 Shady Maple Smorgasbord, featured in the Philadelphia Inquirer, is located at 129 Toddy Lane, East Earl, PA. Take the PA Turnpike to Exit 298 (old Morgantown Exit 22). From the Turnpike, follow the Morgantown exit to 2<sup>nd</sup> traffic light then take Route 23 West (becomes Main St.) for approximately 10 miles to Route 897 to Toddy Lane.

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, March 1<sup>st</sup>, 2011** at

**Shady Maple Smorgasbord**  
**129 Toddy Lane**  
**East Earl, PA 17519**

Meeting Agenda:

**Solar PV Installation & Inspections**

Main Speaker:

**Mr. Rich Van Wert**  
**Owner**  
**Electric Education Center**

**IT'S TIME TO RENEW YOUR DVPOG**  
**MEMBERSHIP FOR 2011. 3 YEAR**  
**RENEWAL IS THE BEST VALUE!**

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## Solar PV Installation & Inspections

### ***Program Description:***

*This presentation covers the physical and electrical considerations of solar PV systems. It begins with introductory background that is followed by two major parts on installation methods and inspection of solar PV systems. The first part on installation methods covers various styles of sloped and flat roofs, ground mounts, and inverter types. The second part covers the installation and electrical elements of the inspection process, such as grounding, ampacity and system voltage calculations, PV system disconnects, attachment methods, maximum voltage / cold temperature correction, overcurrent protection, etc.*

### **Speaker: Rich Van Wert, Electric Education Center**

Rich Van Wert has been employed in the electrical field for more than forty years and has extensive experience in the design, training, and inspection of electrical and solar PV systems. Rich is employed full time as a Senior Electrical Inspector, supervising a staff of Inspectors that serve the five county southeast Pennsylvania region; and he is the Owner/Operator of the Electric Education Center in Bensalem, PA. Rich has developed and delivered numerous solar and electrical training courses over the years, such as electrical fundamentals, residential and commercial wiring, motors and motor controls, grounding and bonding, NEC calculations, solar PV advanced calculations, solar PV certification for installers, and electrical contractor license exam preparation. Rich is the President of the Benjamin Franklin Chapter of IAEI and is a member of the IBEW, EAP, IREC, and NABCEP.

### **Meeting Information:**

**Place:** Shady Maple Smorgasbord  
129 Toddy Lane  
East Earl, PA 17519 (new facility  
is just off Rt. 23 and Rt. 897)

**Date:** Tuesday, March 1<sup>st</sup>, 2011  
**Time:** 10:00 AM to 3:00 PM

**Lunch Will Be Provided**  
**Please RSVP by Fri., Feb. 25<sup>th</sup>, 2011**

### **REGISTRATION:**

**NAME:**

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**COMPANY:**

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**ADDRESS:**

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**City:**

**State:**

**Zip:**

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**PHONE:** (     )

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**(include area code)**

**FAX:**

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**E-Mail:**

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**Category:**  Academic  Contractor  Utility  
 Consultant  Manufacturer (Rep)  End User

### **Registration Fee:**

To become a 2011 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"/> | <b>Meeting – DVPQG Member</b>           | <b>\$ 35.00</b> |
| 2. <input type="checkbox"/> | <b>Meeting – Non-Member</b>             | <b>\$ 55.00</b> |
| 3. <input type="checkbox"/> | <b>Mtg. &amp; 2011 Membership</b>       | <b>\$ 60.00</b> |
| 4. <input type="checkbox"/> | <b>Meeting &amp; (3) yr. Membership</b> | <b>\$105.00</b> |
| 5. <input type="checkbox"/> | <b>2011 Membership Only</b>             | <b>\$ 30.00</b> |

**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 717.560.2436) 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

**Please respond by Feb. 25<sup>th</sup>, 2011**  
**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.