

## **Battery 101 Training**

**Tuesday – July 23, 2024**

**Residence Inn at the Notch – 1800 Wilkes Ridge Circle - Richmond, VA**

**Wednesday – July 24, 2024**

**Wake EMC – 228 Park Avenue – Youngsville, NC**

**Thursday – July 25, 2024**

**Chapman Company – 1338 Hundred Oaks Drive, Suite D – Charlotte, NC**

**Registration / Continental Breakfast – 8:30am**

**9:00am until 3:00pm**

***Lunch will be Provided – Free Admission***

### **Who should attend:**

- Power professionals who size, specify, install, maintain, test, sell and operate lead acid batteries and chargers.
- Certificate of completion with CEU credits and training material will be handed out upon course completion.

### **Topics:**

- Basic Lead-Acid Batteries
  - VLA (Flooded) vs. VRLA
  - Battery components, types of alloy
  - Discharging and recharging
  - Battery aging
  - Application differences
  - Battery ratings, sizing and selection, etc.
  - Battery specification writing
  - How to choose the right battery for your application
- Manufacturing Processes (How manufacturing processes make the difference?)
- Battery sizing examples (constant current, constant power, step load, flooded rack selection)
- Battery testing, monitoring, installation, operations and maintenance
- Web based information (where to find online resources)
- Types of charging (float, recharge, equalize)
- Battery chargers (charger basics, charging techniques, different technologies, installation, operations, maintenance and sizing)
- Battery failure modes and maintenance (recommended operating parameters, factors affecting battery performance and life, capacity testing, maintenance practices)
- Battery troubleshooting and replacement
- Battery room safety, spill containment and compliance
- NERC compliance
- Power Plants
- Power Distribution

### **Registration**

Enrollment is limited to 25 individuals, on a first-come-first-served basis. Initially, there will be a limit of two attendees per company in order to broaden the participation base.

Please confirm your plans to attend by submitting the attached RSVP to Kathy Enos via email at [kenos@rwchapman.com](mailto:kenos@rwchapman.com) or fax at 704-523-4708. Kathy can also be contacted at 704-602-8225 should you have any questions.

**RSVP FORM**  
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NAME

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COMPANY

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MAILING ADDRESS

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CITY, ST, ZIP

\_\_\_\_\_

TELEPHONE

\_\_\_\_\_

EMAIL

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DIETARY RESTRICTIONS

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SEND COMPLETED FORM  
TO KATHY ENOS:

FAX: 704-523-4708

EMAIL: [kenos@rwchapman.com](mailto:kenos@rwchapman.com)

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