



## **Battery 101 Training**

**Wednesday – September 25, 2019**

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

**Thursday – September 26, 2019**

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

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

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

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

### **C&D Technologies** – Presentation by Tori Lee

- Basic Lead-Acid Batteries
- 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

### **Eagle Eye Power Solutions** – Presentation by Gary Brown

- Load Bank Basics (Introduction / What is a load bank? What does it do? Where are they commonly used?)
- Load Bank Types
  - DC Resistive (DC Constant Current, DC Non-Constant Current, NERC Compliance – DC Load Bank Discharge Testing)
  - AC Load Banks ( Resistive, Power Factor Testing, Reactive)
  - Load Banks Commonly Used in Data Centers (Permanent, Mobile, Server Simulator)
  - Other Portable / Mobile Load Bank Applications
  - Permanent Load Bank Power Applications

### **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**  
**Battery 101 Training**

**September 25, 2019 – Chapman Company – Charlotte, NC**

**September 26, 2019 – Wake EMC – Youngsville, NC**

NAME

---

COMPANY

---

MAILING ADDRESS

---

CITY, ST, ZIP

---

TELEPHONE

---

EMAIL

---

DIETARY RESTRICTIONS

---

SEND COMPLETED FORM  
TO KATHY ENOS:

FAX: 704-523-4708

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

**RSVP FORM**  
**Battery 101 Training**

**September 25, 2019 – Chapman Company – Charlotte, NC**

**September 26, 2019 – Wake EMC – Youngsville, NC**

NAME

---

COMPANY

---

MAILING ADDRESS

---

CITY, ST, ZIP

---

TELEPHONE

---

EMAIL

---

DIETARY RESTRICTIONS

---

SEND COMPLETED FORM  
TO KATHY ENOS:

FAX: 704-523-4708

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