

Engines & Alternators

Date: March 21, 2014

Time: 8:00 – 9:15

Location: Herrity Building (Fairfax County Government Center)
12055 Government Center Parkway
Room 106
Fairfax, VA 22035

Application Deadline: No Advance Registration Required

Credits: 1.25

Prerequisite: None

Course Description: Introduces engines and engine technologies used in design and implementation of standby power generation. Discusses fuel types, selection, design criteria for standby generator engine selection and testing required to prototype and validate a product. Outlines terminology and performance expectations of the engine-generator alternator. Identifies construction methods, temperature rise criteria and the fault capacities of alternators.

Instructors: Gary Fink
Kelly Generator and Equipment, Inc.

Registration: Fairfax County Employees must obtain the approval from their supervisor prior to attending. However, no advance registration is required for this course.

Understanding Generator Reliability

Date: April 25, 2014

Time: 8:00 – 9:15

Location: Herrity Building (Fairfax County Government Center)
12055 Government Center Parkway
Room 106
Fairfax, VA 22035

Application Deadline: No Advance Registration Required

Credits: 1.25

Prerequisite: None

Course Description: Explores strategies for value engineering projects through utilization of best available technologies and innovations without sacrificing overall power system reliability. Provides guidelines for selection of the system best suited to meet the project's cost, reliability and performance criteria. Establishes measures for determination of reliability and provides tools to establish reliability criteria for overall engine-generator power system.

Instructors: Gary Fink
Kelly Generator and Equipment, Inc.

Registration: Fairfax County Employees must obtain the approval from their supervisor prior to attending. However, no advance registration is required for this course.

Generator Sizing

Date: May 16, 2014

Time: 8:00 – 9:15

Location: Herrity Building (Fairfax County Government Center)
12055 Government Center Parkway
Room 106
Fairfax, VA 22035

Application Deadline: No Advance Registration Required

Credits: 1.25

Prerequisite: None

Course Description: Presents methods and calculations for proper sizing of engine-generators. Explores the alternator and engine responses to different types of loads. Presents different techniques to optimize engine-generator performance.

Load types covered:

- Limitations of traditional generator sizing programs
- Dealing with load uncertainty in new construction
- Recognizing leading power factor pitfalls
- And so much more!!

Instructors: Gary Fink
Kelly Generator and Equipment, Inc.

Registration: Fairfax County Employees must obtain the approval from their supervisor prior to attending. However, no advance registration is required for this course.