



U.S. Department of Energy BestPractices Training

Hosted by Penn State Fayette

BestPractices, under the DOE Industrial Technologies Program, works with U.S. industry to implement energy management practices in industrial plants. PennTAP and Penn State Fayette Continuing Education are partnering to provide BestPractices training. We invite you to attend the workshop and learn how to save energy, money and improve productivity.

February 25 - Motor Systems Management

8:00 AM Registration

8:30 AM - 12:00 PM Morning Session

- Overview of motor systems
- Motor applications
- Motor efficiency – how it is measured, classified, and affected by environment and load
- Motor operation
 - Load type, control, and variation
 - Operating environment
 - Power quality
- Motor Management Basics
- Electronic adjustable speed drives
- Power factor correction

12:00 PM - 1:00 PM Lunch provided

1:00 PM - 4:30 PM Afternoon Session

- Motor system maintenance
 - Managing maintenance
 - Failures and their causes
 - Avoiding failures with proper installation, setup, and preventative maintenance
 - Predictive maintenance to foresee and forestall failures
- Motor rebuilding
 - Steps in motor repair and rewinding
 - Repair or rewind actions that can affect the energy efficiency or the motor
 - Guidelines to use in specifying motor repair and rebuilding
- Guidelines and methods to evaluate repairing versus replacing motors
- MotorMaster+
 - Overview of Software Tool Capabilities
 - Motor Selection Decisions

Registration fee for the workshop is \$99.

Deadline to register is two weeks prior to the date of the workshop.

For more information about the workshops and for registration assistance contact Continuing Education :

Penn State Fayette
724-430-4211
www.fe.psu.edu/ce

