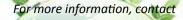
TRAINING BENEFITS

The purpose of this training program is to provide individuals with the knowledge and skills necessary to obtain employment within the growing industries and occupations identified as High Growth and Emerging Industries in order to implement long-term energy solutions while providing new skills and worker competencies necessary to facilitate a "green collar" workforce.

Target populations for this training program are veterans, unemployed individuals, out-of-school youth and other individuals seeking pathways out of poverty. Incumbent workers in the energy and housing industries, as well as other construction trades, also are a target population, including:

- Electrical Contractors
- Electrical Engineers
- Linemen
- Meter Technicians
- Energy Auditors
- Line Construction Contractors
- Substation Technicians

The need to prepare and connect the existing workforce to emerging industry trends requires the skill-sets to keep pace with energy efficiency standards. Employment and career opportunities for those trained in Smart Grid hardware will lead to increased wages and advancement.



STATE ENERGY SECTOR PARTNERSHIP (SESP)

Regional High Growth Training Center 347 Coin Road Somerset, Kentucky 42503

Phone: 606-274-0060
E-mail: doug@lcadd.org or karenp@lcadd.org

Training provided through



in partnership with





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SMART GRID TRAINING



Advanced
Metering
Infrastructure
(AMI)

WHAT IS A SMART GRID?

A "Smart Grid" is an electricity network utilizing digital technology. A smart grid delivers electricity from suppliers to consumers using two-way digital communications to control appliances at consumers' homes; saving energy, reducing costs and increasing reliability and transparency. The smart grid is envisioned to overlay the ordinary electrical grid with an information and net metering system that includes smart meters. Smart grids are being promoted by many governments as a way of addressing energy independence, global warming and emergency resilience issues.

WHAT IS AMI?

Advanced Metering Infrastructure. AMI systems are keyed around a 2-way communications system that allows the utility to both read the meter and send information to the meter.

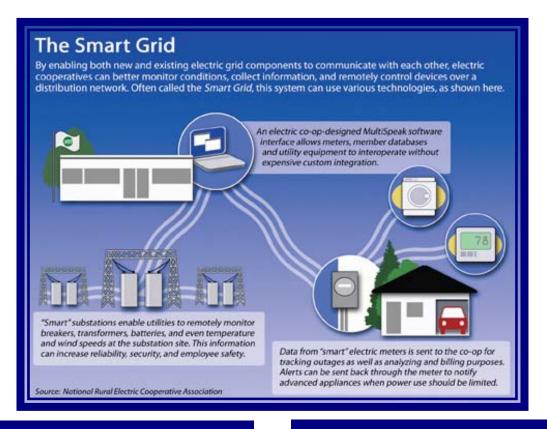
This allows the utility to read the meter at hourly intervals (in some systems more frequently) and to send pricing information to the meter. This allows for Time of Use and other time-based rate adjustments.

The AMI system will serve as the core of the Smart Grid systems. Most other systems on the network will interact with AMI data in some way.

WHAT IS AMI HARDWARE?

Smart Grid hardware includes equipment used to monitor and control energy usage in residential and commercial facilities including:

- Two-Way Automated Communications System
- Control Receiving Units (CRU)
- Outbound Modulation Unit (OMU)
- Modulation Transformer Unit (MTU)



TRAINING OFFERED

The Smart Grid hardware installation and maintenance program will provide participants the training, certification and skills necessary to obtain employment within Kentucky's leading energy industry employers.

Participants will be trained to install, maintain and repair Smart Grid equipment, with one-week of hands-on training. Experienced energy industry employees will serve as the instructors for these courses and will certify the expertise of participants who successfully complete the program.

The number of participants is limited to ensure that each student receives sufficient individual attention and has the opportunity for ample hands-on experience. After assessment and prior to enrollment into the program, any participant needing basic skills remediation will have their needs addressed through Cumberlands Workforce Investment Act (CWIA) referrals to local, basic skills education providers.

TRAINING COST

The one-week training for AMI hardware (including materials) is **TUITION-FREE** through funding made possible by the Kentucky Workforce Investment Board (KWIB) and administered through the Cumberlands Workforce Investment Act (CWIA).

All candidates will be qualified and enrolled on a first-come, first-serve basis.

LOCATION & CONTACT INFO

All classes will be held at: Regional High Growth Training Center 347 Coin Road Somerset, Kentucky 42501

Please contact:
Phone: 606-274-0060 or
Email: doug@lcadd.org