

# *Institute of Energy Professionals*

**The Institute of Energy Professionals (IEP)** is an organization of *energy professionals* dedicated to the development, training and continual improvement of *Energy Managers* for business and industry. Its goal of is to provide the very best in practical energy management *training* and *technical assistance*.



The core of the Institute's training initiatives is the highly acclaimed *Energy Management (EM) Diploma Program*, initially developed at Virginia Tech and now taught at

NC State University in Raleigh, NC. This program successfully produced skilled *Energy Managers* since its inception in 1978. Program graduates have gone on to lead energy initiatives and program for major corporations, cities, colleges/ universities, military installations, utilities, and others.

What separates IEP's training efforts from other training initiatives is its comprehensive, yet practical, approach to effectively utilizing energy resources and minimizing operating costs. The core group of instructors is comprised of acknowledged experts in their respective fields who not only had extensive experience, but the ability to effectively communicate their experiences and knowledge.

## *Professional Certification:*

Successful completion of the EM Program's three (3) one-week sessions and passing the written exam entitles the participant to use the designation *Professional Energy Manager (PEM)* after his or her name. This certification recognizes that the participant has attained an understanding of the fundamental principles and

strategies required for the development of an effective and sustainable energy management program, with a focus on optimizing energy resources and improving the environment.

## *Who Should Attend?*

Anyone with accountability for, or interest in energy initiatives or program development would benefit from this program. The program is designed to appeal to:

- ✚ Plant and facility engineers, utility engineers, energy auditors, and corporate energy managers.
- ✚ Energy management personnel from state/federal government and the military.
- ✚ University, community college , vocational school, and secondary school system personnel working with energy conservation programs/initiatives.
- ✚ Consulting engineers now practicing in energy management, or wishing to enter the field.
- ✚ Accounting, procurement, and other personnel with an interest in efficient energy utilization and minimizing emissions.

### Other Training Opportunities:

In addition to the three-week training program, *Institute* personnel offer one and multi-day training initiatives focused on specific end use equipment and systems such as boilers and steam systems, chillers and cooling towers, compressed air systems, HVAC systems, etc. These programs can be performed in-house and tailored to meet specific customer requirements.

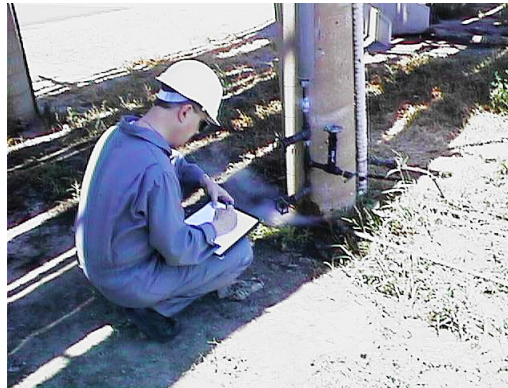
### Program Technical Assistance:

The *Institute* also provides comprehensive technical assistance. The core group of engineering support personnel has worked together for over fifteen (15) years, conducting hundreds of energy assessments and technical evaluations for heavy and light industrial, commercial, institutional, and governmental clients, including the US Department of Energy. This group of highly skilled professionals has performed energy assessments and conducted training in more than twenty (20) countries.

Energy Assessments – The *Institute* provides energy assessments that

are structured around three (3) primary objectives:

- ✚ To evaluate the major energy consuming systems in a facility and identify opportunities to improve performance and/or reduce operating costs,
- ✚ To upgrade the energy expertise of site personnel, and
- ✚ To identify *Best Operating Practices*, so they can be replicated at other facilities.



*Institute* assessments are unique in that they are used as teaching tools. Site personnel are provided instruction in evaluating and optimizing system performance, so that information can be passed along to others, thereby increasing the overall knowledge base of site personnel and assuring sustained efficient operation.

Other Technical Support – In addition to assessments, the *Institute* can provide other technical services. Included in these are evaluation of vendor proposals, review of in-house projects with respect to energy and equipment performance, development of energy project measurement and verification plans, and providing recommendations for development of standards, and other services.

### Additional Information:

For additional information on the *PEM* certification, training opportunities, and other services available through **IEP**, contact:

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**IEP®**

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