

## Do you want:

- A new career as an Advanced Energy Assessor?
- To start your own energy consulting business?
- To upgrade your skills?
- To become your company's Energy Champion?
- Manage your utility bills and track green house gas emissions?
- To learn how to uncover hidden wastes?
- To find low cost practical projects to reduce your operating budget?
- Projects for your Six Sigma or Lean Manufacturing Teams?
- A profitable way to reduce green house gas emissions?



# Energy Solutions Workshops



**“Learn to focus on what is important.” TCM**

[www.savingwithenergy.com](http://www.savingwithenergy.com)

## Who Should Attend?

- ✓ Energy and Facility Managers/Engineers
- ✓ Six Sigma and Lean Engineers
- ✓ Energy and Facility Assessors
- ✓ Building owners and managers
- ✓ Municipal energy managers
- ✓ Environmental Health and Safety managers and engineers
- ✓ Technicians, Mechanics, or Electricians interested in upgrading skills
- ✓ Industrial and Environmental Students
- ✓ Utility Accounting or Purchasing
- ✓ Environmental Educators

*Participants will receive 4.8 CEUs or 48 PDHs and certificate as a Conservation Specialist.*

**Thomas C. Mort, CEM Director**  
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**210-858-8454 Office**  
**810-691-7874 Cell**

# Energy Solutions Workshops

*“You will learn to focus on what is important.”*

## Utility Bill Analysis Workshop

*In this hands on 1 day course you will:*

1. Learn how to read and interpret utility bills including electric, gas, and water.
2. Be able to identify key data points needed to support purchasing, management, and energy analysts.
3. Be able to trend Carbon Emissions.
4. Learn the value of Demand Response contracts.
5. Learn how to incorporate weather and productivity measures.
6. Learn about available incentives, tax rebates, and other project funding options.
7. Establish and implement a work plan to set up a data base for your home and/or workplace and to prepare a detailed energy report.
8. Learn how to use existing data and benchmarks to target savings.

*Requirements: Copies of 24 months of utility bills from home, office, or workplace including gas, electric, water, and sewer. Optional: Laptop computer with MS Excel or other spreadsheet program.*

## Energy Measurement Workshop

*In this hands on 1 day course you will:*

1. Learn to use the latest data loggers and other measurement tools to identify and quantify energy saving opportunities.
2. Participate in live demonstrations of data loggers, CTs, infrared cameras, flow meters, light meters, and software commonly used in energy audits.
3. Receive your own electronic data logger.
4. Learn how to obtain and use interval data.
5. Learn how to translate graphs derived from measurements to identify saving projects.
6. Establish a work plan and perform an assessment at your home and/or workplace to identify savings projects.

*Requirements: Copy of recent electric, gas, water, and sewer utility bills from home, office and/or workplace. Optional: Laptop computer with MS Excel or other spread sheet program.*

## Energy Projects Workshop

*In this intensive 1 day course you will:*

1. Learn how to identify the key projects to enable reducing energy costs.
2. Receive demonstrations of low cost - high value energy solutions.
3. Receive tools to select and prioritize key projects including calculations, cost analysis, and work plans the projects demonstrated.
4. Establish a work plan to identify and develop a project(s) at you home and/or workplace.
5. Receive *The Energy Solutions Handbook™* including one year of back office support by a team of subject matter experts.

*Requirements: Copy of recent electric, gas, water, and sewer utility bills from home, office and/or workplace. Optional: Laptop computer with MS Excel or other spreadsheet program.*





LOW COST-HIGH VALUE ENERGY SOLUTIONS

## Meet your instructor:

**Thomas C. Mort**  
BS, CEM, Director



A recognized leader in the field of energy management. Thomas has led hands-on energy training workshops in hundreds of industrial facilities world wide.

With 17 years experience in nuclear power plants, corporate energy manager for a Fortune 100 company with facilities worldwide, and the developer of a successful international energy consulting company, Thomas brings a wealth of experience to the workshops.

A Certified Energy Manager since 1997, Thomas has received numerous US and International Environmental and Energy Awards. Thomas has developed an efficient method to take his years of experience and effectively transfer this knowledge and skill to facility managers, engineers, technicians, and EH&S leaders.

His process, often referred to as a Kaizen Blitz for energy, is highly effective in achieving significant measurable results in a short time.

*Focusing on practical projects that have an average of less than 1 year payback makes these workshops an exceptional value.*

## Here are some of the areas supported by our Subject Matter Expert Team:

### Utility Bills:

- Utility Bill Data Management, Analysis, and Reporting
- Weather Data and Analysis
- Productivity Measures
- Carbon Emissions Tracking
- Demand Response Contracts

### Measurement:

- Metering: Electric
- Metering: Flow
- Leak Detection
- Infrared Imaging
- Demand Control
- On-Site Assessments

### Projects:

- Power Factor Correction
- Lighting and Lighting Controls
- Compressed Air Systems
- Steam and Hot Water
- Chillers and Refrigeration
- Cooling Towers
- Air Filtration
- Blowers and Nozzles
- Variable Frequency Drives
- HVAC Solutions
- Heat Recovery
- Insulation Solutions
- Window Treatments
- Waste Water Solutions
- Performance Contracts

## Registration and Fees

Register for an Energy Solutions Workshop on-line at [www.savingwithenergy.com](http://www.savingwithenergy.com)

Or email: [tcmort@savingwithenergy.com](mailto:tcmort@savingwithenergy.com)

Or call our office at 210-858-8454

Registration is required 10 days prior to the beginning of a workshop.

### Workshop times are:

- Utility Bill Analysis Workshop: Tue 8-5
- Energy Measurement Workshop: Wed 8-5
- Energy Projects Workshop: Thu 8-5

### Fees:

- Utility Bill Analysis Workshop \$ 175
- Energy Measurement Workshop \$ 275
- Includes data logger and software*
- Energy Solutions Workshop \$ 375
- Includes The Energy Solutions Handbook<sup>TM</sup> and one year of subject matter expert team support.*

Discount for registering for all three workshops: \$50

Total Cost for all three workshops: \$775

### Cancellation Policy:

Cancellations more than 10 days prior to the workshop will be refunded less 15% or you may send a substitute or transfer to a subsequent course at no extra cost.

