

# **Energy Pricing** (2 hrs)

for SW Ohio, Northern KY & SE Indiana

by John F Robbins CEM / CSDP

2.0 continuing education hours for engineers, contractors, designers and energy professionals

## **Course Description**

Home and building engineers, designers, contractors, consultants and business managers often need to advise their companies and customers about accurately estimated conventional energy costs and energy investments to achieve reductions in energy use and/or demand. However, most professionals and customers do not understand or appreciate the wide extent to which energy prices and values vary in and around Greater Cincinnati, Dayton OH, Lexington KY and places in between.

**Energy Pricing** provides a substantial overview of local energy pricing. Residential and commercial pricing as well as average energy costs per purchased energy content (BTUs per dollar) are presented for SW Ohio from Dayton to Cincinnati, Northern Kentucky (NKY) from Covington to Lexington and SE Indiana. In July 2012, energy values in this region (expressed in equivalent average BTUs per dollar) varied over 8:1 between heating oil, liquid propane (LP), electricity and natural gas. Electricity prices just in Greater Cincinnati varied more than 3:1 according to utility company, customer class, how many kWhs are used per month and the ratio of kWhs used to kW of demand

Energy prices presented in this course are revised at least once per year.

This course teaches students

- how different energy utilities use different billing formulas to produce customer bills
- how customer charges, usage rates and demand charges vary from utility to utility
- how determining appropriate energy prices for energy cost and savings estimates can depend on customer location, service classification and usage characteristics
- how similar usage and usage reductions can have sometimes very different value based on which energy is being used, when, and from which energy supplier
- how energy prices have varied in recent history

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