

## **SHORT COURSE: Engineering Economics for Utilities September 17-18 at ISU**

**Who:** This is a short course for engineers, planners, analysts and managers—anyone who needs the skills and tools necessary to evaluate the costs and benefits of utility projects.

**What:** The purpose of the course is to provide the skills and tools necessary to evaluate the costs and benefits of utility projects. The course covers both profit and non-profit utilities. Numerous application problems will be presented and solved. Spreadsheet software will be given to attendees for their later use.

Major topic areas include: Financial mathematics and financial concepts, carrying charges, present Value analysis; applications problems, and other topics, such as regulatory treatment (taxes), and impact on rates. Examples will come from utility asset purchases, renewable energy projects, energy efficiency investments.

This class will provide 14 hours of instruction, 1.4 CEUs (14 PDH) of continuing education, with CEUs provided by Iowa State University.

The principal instructor for the course will be Tom Wind (Wind Utility Consulting). Tom Wind is a professional consulting electrical engineer with 15 years of electric utility experience and 25 years of consulting experience. He has taught several short courses at ISU and has made over 200 presentations at conferences over his career. Professor Jim McCalley is (ISU Harpole professor of Electrical and Computer Engineering) will be co-teaching specific examples.

**Where:** Instruction will be offered in Iowa State University's Coover Hall (home to the Electrical and Computer Engineering Department) classroom 3041/3043.

**When:** Thursday September 17 from 10 am to 5 pm and Friday September 18 from 8 am to 4 pm.

**Cost:** If you register by September 3, the registration cost will be \$550 per utility attendee. After September 3 registration will be \$650 per attendee. NOTE: EPRC members receive a 10% discount. The cost includes instruction, breaks and lunches both days.

**How to register:** complete registration form online at <https://goo.gl/FLswlj>

Please contact Barbara Brown (515 294 8057) or [barbarab@iastate.edu](mailto:barbarab@iastate.edu) with questions.

**Important Information:** EPRC cancellation policy will be in effect: You must cancel by September 3 to receive a refund. IF EPRC does not have enough registrants to run the course, moneys will be refunded.