

AEIC LOAD RESEARCH TRAINING COURSE DESCRIPTION

Email: Load Research Education Subcommittee

FUNDAMENTALS COURSE

1. Prerequisite – NONE. Analytical background and some utility experience are helpful but not required.
2. Description - The Fundamentals course is an introduction to the field of Load Research. The goals are for the student to obtain a basic understanding of the fundamentals. This includes terminology, basic formulas and concepts. Areas covered are competitive markets, sample design, resource considerations, sample implementation, data processing and analysis, data presentation, load profiling and program evaluation.
3. Course Format – The course is primarily lecture with class participation and some exercises.

INTERMEDIATE COURSE

1. Prerequisite – Fundamentals Course. Analytical/statistical background and some utility experience in Load Research are helpful.
2. Description - The Intermediate course is an in-depth, 4-day study and application of the statistical formulas necessary for a complete load research program. This begins with the basics of statistics and includes sample design, mean per unit and ratio expansion and associated statistics. This course includes regression modeling as well. There is also special topic addressed such as 12-month average and domains analysis.
3. Course Format – The course is lecture with class participation, numerous exercises and walk away electronic workbooks applying the statistical formulas for load expansion.

ADVANCED COURSE

1. Prerequisite – Intermediate Course (In lieu of Intermediate Course, Fundamentals Course and 4 years experience in Load Research). Analytical/statistical background and some utility experience in Load Research are helpful.
2. Description - The Advance course is an in-depth, 4-day review/study and application of Statistical Estimation, Regression Analysis, Statistical Sampling, Domains Analysis and Evaluating Demand response/Load Management programs.

3. Course Format – The course is lecture with class participation, numerous exercises and walk away with a notebook of class study material and a CD ROM with class exercise material.

AEIC PARTICIPATORY COURSE DESCRIPTION

AEIC WORKSHOP

1. Prerequisite – Fundamentals Course preferred. Analytical/statistical background and some utility experience in Load Research are helpful.
2. Description - The AEIC Workshop is a 3-day working forum that focuses on Load Research topics of interest.
3. Course Format – The workshop is a participatory format where attendees bring their skills and work to share on the topic of interest. This is normally accomplished through, but not limited to presentations, papers with reviews, small work groups and or group exercises.

ANNUAL LOAD RESEARCH CONFERENCE

4. Prerequisite – Fundamentals Course preferred. Analytical/statistical background and some utility experience in Load Research are helpful.
5. Description - The Annual Conference is 3 days of sharing new ideas and various Load Research topics of interest to the load research community.
6. Course Format – The annual conference is a participatory format, where attendees present work papers, new ideas or topics interest. This is normally accomplished through, but not limited to, presentations.

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