NEW ENGLAND ENERGY NEWS

MAY MEETING ANNOUNCEMENT 1997



SPOUSES NIGHT

FENWAY PARK TOUR



The last meeting before our summer break for the New England Chapter is traditionally Spouses Night. It is always a challenge to devise a meeting topic which will be of interest to all attendees. This year's topic should prove to be a winner with both members and their spouses. The meeting will feature a tour of Fenway Park with dinner across the street at the Boston Beer Works.

The facility manager of Fenway Park was awarded last year's New England Chapter Energy Manager of the Year Award. The project inspiring this award involved the retrofit of the park lighting, the installation of heat pumps, and an energy management system to more effectively schedule park mechanical systems. The project underscores the commitment of the Boston Red Sox to maintain the character, personality and history of one of the oldest major league ballparks still in use today. Although many teams have built new ballparks in recent years including those "new antiques", Fenway Park currently stands as the only major league ballpark to have undergone a major facility-wide energy efficiency upgrade to improve its existing systems, lower overall energy use, and improve the overall operation of the park.

The tour will feature a review of some of the energy projects performed at the facility along with the standard park tour. Visit the Green Monster, team club houses, luxury box suites, batting cages and bull pens. Those wishing to participate in the tour should assemble at Gate D on Yawkey Way by 5:00 p.m. The tour will take approximately 45 minutes. After the tour we will walk across the street for a casual dinner at Boston Beer Works. Please join us for this fun and informative last meeting before our summer break.

WEDNESDAY
MAY 14, 1997 MEETING

Assemble for Fenway Park Tour
at Gate-D on Yawkey Way
4:45- 5:10 PM

Tour Starts Promtly
5:15 PM

Dinner at Boston Beer Works
6:30 PM to 8:30 PM

SPACE LIMITED
Reservations Requested
$25 per member with reservation
$25 per spouse with reservation
$15 per student with ID and reservation

For AEE reservation
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President's Message

Last month's meeting featured Jim LeGallo of Eagle Electric Supply Company who gave a great presentation on the latest technologies in energy efficient motors and variable frequency drives (VFD's). As the technology has advanced with VFD's, new obstacles needed to be overcome. One of these is the insolated gate bipolar transistor known as IGBT's. As the speed of switching increases in the IGBT, waveforms are produced that contain increasingly higher-frequency components. This produces higher leakage currents which must be considered in the circuit design. Otherwise, there is the potential to damage or ruin a motor.

The May meeting is our final meeting before the summer break. Spouses and guests are welcome at this meeting. There will be a non-technical tour of Fenway Park followed by a leisurely dinner across the street at the Boston Beer Works. Please be at Gate D by 5:00 pm so you don't miss the tour. If you can not make the meeting, have a great summer and we'll see you in the fall.

Daniel Gould

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Water-to-Water Heat Pump Workshop

GEOTHERMAL HEAT PUMPS

Mark your calendar for Friday may 2nd for a water-to-water geothermal heat pump workshop at the Andover (Mass.) Rolling Green Motel (off I93 & I495). The workshop will provide builders and mechanical contractors with a one-day exercise in establishing requirements, system design and equipment selection for a central water-to-water geothermal heat pump building. Manual -J and a review of Manual-N will be used to determine heating and cooling requirements for conventional and "Energy Homes". Geothermal system design will specify wells or closed loops, pipe sizing and pump requirements for in-ground heat exchangers. The workshop will examine several methods to reduce open well pumping costs. Heating and cooling terminals and pumps will be selected and will include and fan coils, base board and radiant floors. Check test and start-up procedures will complete the day's efforts. Water & Energy Systems Corp., Atkinson, NH (603) 362-4666 will provide instructors, catalogues and printed material.

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Please mail to: **AEE New England Chapter, Attn: John Bycina, BCM Controls 19 Wheeling Ave, Woburn MA 01801**



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