

Association of Energy Engineers  
www.aeetarheel.org

Tarheel



Chapter

Association for Facilities Engineering  
www.afechapter68.com

Capital **AFE** Association for  
FACILITIES  
ENGINEERING Chapter

**HAPPY APRIL 2004**

### MEMBER NEEDS

Bill Gilbert, our esteemed Past-President, has advised that he is taking care of some health issues and will be out for a short period of time. We would ask that you keep him in your thoughts as you would other cherished friends and associates. Our thoughts and prayers are with you Bill.

### President's Latest Message

Our stated goal for this coming year is to increase attendance to the monthly meetings by carefully selecting programs of interest. (So please let's hear from you - do you know of a great way to save energy?...perhaps some of our members would care to share their success stories).

Any organization is only as strong and successful as its members want it to be. My wish is that the chapter will continue to grow strong and responsive and be a vital source for its membership.

### Officers for 2004

Pres.	Jack	<a href="mailto:AJT05@doc.state.nc.us">AJT05@doc.state.nc.us</a>
V President	Darrel	<a href="mailto:darrel.l.hurlbut@jci.com">darrel.l.hurlbut@jci.com</a>
Secretary	Eric	<a href="mailto:eric_soderberg@ncsu.edu">eric_soderberg@ncsu.edu</a>
Treas. & Memb. Progr. &	Bill	<a href="mailto:bgilbert@johnston.k12.nc.us">bgilbert@johnston.k12.nc.us</a>
Scholar Chair	Walt	<a href="mailto:walterjohnston@mindspring.com">walterjohnston@mindspring.com</a>
P President	Bill Gilbert	

We pleased to announce that AFE (Association for Facilities Engineering), invites you to a facility tour of PCX Corporation, 33 Pony Road, Clayton, NC ([www.pcxcorp.com](http://www.pcxcorp.com)). PCX manufactures indoor, outdoor and suspended Electrical Distribution Centers (EDC), Mechanical Centers, Back-Up / Prime Power Generation System, Uninterruptible Power Supplies (UPS), Power Walls and Pre-Wire Data Centers. PCX connects you to "ready-to-work" pre-manufactured solutions – on time, on budget and on-site. I hope you will set aside time to join us on **Tuesday, April 20<sup>th</sup>, 2004 at 6:00 p.m.** As always, spouses and guests are welcome. Please RSVP via email by Friday, April 16<sup>th</sup>, 12:noon by calling Frank Erceg, AFE Chapter President  
919.677.1016  
[ferceg@casso.com](mailto:ferceg@casso.com)

### Our last TARHEEL AEE Program Meeting :

SAVING ENERGY THRU NEW TECHNOLOGY  
LOOKING AT HOW HYDRONIC FLOW BALANCE AND AUTOMATIC  
OR MANUAL BALANCING AND VFD'S OR IMPELLER SIZING CAN  
SAVE SIGNIFICANT ENERGY DOLLARS.

In hydronic heating and cooling systems, flow balance to within 10% of design flow rate is important, and required by the NC energy code. Zones getting more flow than required could cost owners in pumping energy, and might starve other zones in the system (causing inadequate heating or cooling). In this seminar, we looked at the importance of flow balance in detail, and reviewed the balancing devices that are available, including pump triple-duty valves, manual balance valves (e.g. circuit setters), and automatic balance valves. We'll also review pump impeller trimming and VFD possibilities. The speaker was Jamie Edmondson, with James M Pleasants Co serving the hydronics industry for 7 years. He earned BS degrees in Electrical Engineering and Computer Engineering from NC State University and all who attended thought the presentation was excellent

