



CHAPTER MEETING MINUTES

May 3, 2017

50th Penn Place
Oklahoma City

Members 51 Guests 1 Students 7

President Wilson called the meeting to order at: 11:48 am

President Wilson opened the meeting welcoming our guests including students from OSU and UCO. He gave a quick final CRC overview (for John Semtner and Joe Sanders stating that this year's conference in OKC was a great success with approximately 150 people in attendance including spouses. Expressed Joe and John's appreciation for all of the committee members and volunteers that helped put it on.

Next year's convention will be in San Antonio during Fiesta.

Trapper turned the floor over to Tino Mendez to install the incoming ASHRAE Officers and Board of Governors for 2017-2018. Tino called the following persons to the front of the room:

OFFICERS:	BOG's:
Damon McClure – Pres.	Andy Donehue
Trapper Wilson – VP	David Royal
Jeff Forman – Pres Elect	Robert Lewis
Madison Schultz - Secretary	Caleb Spradlin
Stephanie Thomas - Treasurer	Michael Wilson

Andy Donehue introduced the guest speaker Evan Berger, Director of Energy Solutions for CALMAL Corp who spoke on "Hidden Costs in Daytime Energy Use".

- Even though he's not an engineer, he has researched and read thousands of pages of rate case legislation and took some time off as an investment banker where he admitted he "took his soul for a stroll."
- Discussed the benefits of using an Ice Bank or Ice-on-Coil Internal Melting Technology to decrease the cost of energy in commercial applications by lowering the cooling tonnage for various facilities.
- Residential energy rates are based solely on cost per kWh. Commercial rates are a combination of the cost per kWh plus Demand Charges @ peak kW's which are derived from the highest 15 min interval of each month.
- Rates are complicated because of lawyers, regulators and utility companies that strive to keep the customer in the dark as to how the rates are calculated.
- Oklahoma demand rates are high in comparison to the US at around \$12.75/kWh.
- Actual daytime cost per kWh is around \$0.12/kWh while nighttime is about \$0.04.

- Therefore, since cooling during the day triggers the peak demand, the presenter suggests making ice at night when the demand is low and utilizing Ice Banks during the day to supplement the mechanical chiller systems during the daytime peak hours.
- Q and A session.

The meeting was adjourned at 12:45 pm

Respectively Submitted,
Jeff Forman
ASHRAEcok Secretary 2016-2017