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# Memphis Chapter Newsletter



**Monthly Meeting  
Tuesday April 9, 2013  
Meeting Location:  
Holiday Inn University of Memphis  
SHELBY BALLROOM**

## **This month's topic Evaporative Condenser Precooling by Mr. Rhett Hailey, CEO Evaporcool Solutions, LLC**

Rhett Hailey is CEO and Partner of Evaporcool Solutions, LLC which is the national market leader in evaporative condenser precoolers for air cooled HVAC units and is based in Memphis. Rhett is a mechanical engineering graduate of Mississippi State University and a registered professional engineer. He is a Past President of the Memphis ASHRAE chapter and a prior recipient of an ASHRAE Energy Award. Rhett retired after 25 years with The Trane Company, serving as the District Manager of Trane's Mid South District.

Rhett's topic for the meeting Tuesday will be "Evaporative Condenser Precooling". As a synopsis of the areas to be discussed:

- a. This is an area of proven technology that has been around for decades.
- b. Newer designs have minimal maintenance, non invasive designs and excellent financial paybacks (typically 2-4 years).
- c. Applicable to most any commercial air cooled hvac system, new and existing.
- d. Eliminates high condenser pressure "tripping" problems.
- e. The usage of water for the evaporation is modest and actually is much less than the water used to generate the electricity that is saved.
- f. "Filters" the condenser air and keeps the condenser coils clean, similar to using filters to keep evaporator coils clean.
- g. Large energy market opportunity. Comparable to the entire solar market that currently does not have good financial paybacks.