



## Texas Industries of the Future

### DECEMBER 2013 NEWSLETTER

#### **“IMPROVING THE ENERGY EFFICIENCY OF YOUR CHILLER SYSTEM”**

**WORKSHOP TO BE OFFERED ON DECEMBER 17.** Texas Industries of the Future and the Texas State Energy Conservation Office (SECO) are offering a one-day workshop in Houston on the principles of energy efficiency in chiller plant systems. Participants attending the one-day workshop will learn:

- Fundamentals of chiller plant systems;
- How to apply a systems approach to improve energy efficiency in chiller plant systems;
- Predictive and preventive maintenance best practices; and
- How to identify and prioritize energy conservation measures in chiller plant systems.

See the program and how to register at [Chiller Workshop](#)

#### **PRESENTATIONS AVAILABLE FOR DOWNLOAD: Nov. 7 INDUSTRIAL WATER MANAGEMENT FORUM ON “INDUSTRIAL WATER REUSE AND DESALINATION”**

Texas IOF and the STS-AIChE hosted the first Texas Industrial Water Management Forum on Nov. 7, 2013 with over 100 in attendance. Presentations can be found at [Water Forum Presentations](#) Based on the enthusiastic response, a second Water Management Forum is already planned for Nov. 6, 2014.

**PRESENTATIONS AND RECORDINGS NOW AVAILABLE.** If you missed the recent webinars on the following topics, it's not too late. You can download the presentations and webinar recordings for both webinars at

[http://texasiof.ceer.utexas.edu/docs\\_pres/presentations.htm](http://texasiof.ceer.utexas.edu/docs_pres/presentations.htm)

- *Introduction to Improving the Energy Efficiency of your Chiller Systems* , Nov. 13, 2013
- *Boiler MACT Boiler Tune-ups and Energy Assessments*, Nov. 20, 2013

#### **REPORT AND PRESENTATIONS AVAILABLE FOR DOWNLOAD FROM THE “TECHNOLOGY FORUM: SUSTAINING INDUSTRIAL ENERGY EFFICIENCY IN PROCESS COOLING IN A POTENTIALLY WATER-SHORT FUTURE”.**

Participants in the June 19, 2013 “Technology Forum” learned about the water needs of the process industries and the development status of alternatives to traditional cooling tower technology. The day-long meeting in Houston, Texas was organized by the Institute for Industrial Productivity and Texas Industries of the Future at the University of Texas at Austin. Thirty seven attendees from chemical manufacturing, refining, technology development and research organizations gathered to discuss the need for new process cooling technologies that use less water and do not incur an energy penalty for plant operations. Better understanding of process needs and potential

options allows companies to respond to periodic shortages of water which can significantly increase costs and/or curtail production.

Presentations covered a broad range of topics, from optimizing existing cooling towers, to technologies such as hybrid and dry cooling, as well as EPRI's research agenda and a methodology for evaluating technology performance. Participants shared information, brainstormed ideas and prioritized results to help identify future directions for industry in water-short areas. A common concern across the board was that "water is cheap until it's not there", which makes it challenging to engage management and secure capital for technology investment before there is a crisis. Attendees identified research, development and demonstration needs to facilitate the transfer of new technologies developed for the power industry to chemical manufacturing and refining operations.

Presentations and the Forum report are available at [http://texasiof.ceer.utexas.edu/docs\\_pres/conferences.htm](http://texasiof.ceer.utexas.edu/docs_pres/conferences.htm)

**LIKE TO FIND OUT MORE ABOUT HOW TO TAKE ADVANTAGE OF THE TEXAS PROPERTY ASSESSED CLEAN ENERGY (PACE) PROGRAM?** Newly enacted legislation in Texas (SB 385) authorizes municipalities and counties in Texas to work with private sector lenders to enable owners of commercial and industrial properties to obtain low-cost, long-term loans for water conservation, energy-efficiency improvements, and renewable retrofits. Property owners repay the loans using contractual assessments voluntarily imposed on the property by the owner. Sites will use the utility savings to pay for the loan on the efficiency projects that created those savings. You can find out more at <http://www.keepingpaceintexas.org/>

#### **TEXAS INDUSTRIES OF THE FUTURE UPCOMING EVENTS IN 2013/2014**

- *"Improving the Energy Efficiency of Your Chiller System"*, Registration information at [Chiller Workshop](#) Houston Business Roundtable, Pasadena, Tx
- *Texas Industrial Energy Management Forum*, May 1, 2014. Brady's Landing, Houston.
- *Texas Industrial Water Management Forum*, Nov. 6, 2014, Houston, Tx

Professional development hours are available for participation in all programs.

You can also go to the Texas IOF website at <http://TexasIOF.ceer.utexas.edu> to find the documents, presentations, and recordings linked in this newsletter

If you would like to receive this newsletter in your inbox once a month, go to <http://texasiof.ceer.utexas.edu/tiof/tiofcontact.asp> to subscribe. Your information is never sold.

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