“WATER AND ENERGY IN THE PROCESS INDUSTRIES” WILL BE THE TOPIC OF THE NEXT TEXAS INDUSTRIAL ENERGY MANAGEMENT FORUM ON OCT. 4, 2012. Speakers will address water availability for industry in Texas, risk assessment and opportunity identification tools, how one company is tackling this challenge, and research on advanced cooling technologies. One day conference registration available at http://www.aiche.org/conferences/2012Regional/rptc.aspx

EARLY BIRD Discount on registration for the CHP2012 conference and trade show ends Sept. 15. The Texas CHP Initiative and International District Energy Association are co-hosting this year’s CHP 2012 Conference & Trade Show, to be held October 15-17 at the Houston Marriott Westchase Hotel. CHP2012 will center on manufacturing, an industry with vast economic growth potential. The conference will address advanced technologies and energy management best practice. Like last year’s conference, it will also feature dozens of vendors who can help facilities make efficient and secure use of their waste heat. Go to www.chp2012.com for the call for presenters, program and registration information.

REPORT AVAILABLE: LOW TEMPERATURE WASTE ENERGY RECOVERY TECHNOLOGY FORUM. Texas IOF and the Institute for Industrial Productivity hosted a Technology Forum on May 16, 2012 that drew 40 participants from chemical plants, refineries, technology companies, and research organizations. The report documents the types of low temperature waste energy streams that are untapped at chemical plants and refineries. Presentations from technology developers can also be viewed at http://texasiof.ces.utexas.edu/docs_pres/conferences.htm

LYONDELLBASELL RECEIVES 2012 INDUSTRIAL ENERGY TECHNOLOGY CONFERENCE AWARD FOR SITE FLARE ASSESSMENTS. Since 2007 LyondellBasell has been engaged in a comprehensive energy efficiency improvement effort that has resulted in 12% reduction in energy (42 trillion Btus/yr). They decided to focus on flaring optimization, since this is a potential energy reduction target that has traditionally received little attention. They developed their own software tool and methodology to standardize the assessment process. The new tool systematically develops the technical basis and a comprehensive business case for gaining support and mobilizing resources for implementation. The standardized report compares key process data to API 521 standards, EPA guidelines, LyondellBasell Engineering standards, and OEM specifications to focus on the areas of opportunity and generates a project list, brief scope of all the necessary modifications, complete with benefits, planning grade cost estimates, simple financial rate of return and site impact on energy...
and carbon reduction. The benefits mostly lie in FG optimization, steam flow control, purge gas and process off-gas control.

LyondellBasell has applied the Site Flare Assessment methodology to 15 manufacturing sites in the US. Assessment of 39 flare systems has identified opportunities that represent $6-15 Million per year, depending on the price of natural gas. All sites are in different stages of implementation. At the Houston Refinery, assessment of 5 flare systems is complete; all recommendations have been implemented and this has resulted in 500,000 Million Btu/ year documented savings ($1-3 Million/ Year depending on the price of natural gas). You can download the LyondellBasell presentation on this project at http://TexasIOF.ces.utexas.edu

2012 TEXAS IOF AND OTHER UPCOMING EVENTS

- **Texas Industrial Energy Management Forum, October 4, 2012**


- **Steam End-User Workshop, Nov. 13, 2012.** DFW area. Registration will open Oct. 1.

Professional development hours are available for participation in all programs.

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

Kathey Ferland
Texas Industries of the Future
Center for Energy and Environmental Resources
The University of Texas at Austin
512-232-4823