



Texas Industries of the Future

October 2014 NEWSLETTER

TEXAS INDUSTRIAL WATER MANAGEMENT FORUM COMING UP NOVEMBER 6.

Speakers will address water reuse in petroleum refineries, use of wastewater as cooling tower makeup in a chemical plant, and an evaluation methodology on the benefits and costs associated with incorporating heat recovery into desalination and wastewater membrane treatment plants. Registration opens October 2 at <http://texasiof.ceer.utexas.edu/tiof/watermgmt110614.asp>. There is no charge to attend the Forum; however, pre-registration is requested. Fund for the Forum is provided by the State Energy Conservation Office. See the topics below:

- ***Future Water Demand and the Role of Alternative Sources and Water Reuse***
Erika Mancha, Team Lead, Innovative Water Technologies
Texas Water Development Board
- ***Evaluation and Optimization of Emerging and Existing Energy Recovery Devices for Desalination and Wastewater Membrane Treatment Plants***
Steve Alt, Senior Water Membrane and Desalination Engineer, CH2M Hill
- ***Advanced Water Reuse in Petrochemical and Oil Refining Facilities: Global Perspective And Case Studies***
Joseph Wong, Brown and Caldwell
- ***Treated Effluent Reuse for Cooling Water Make-up in a Chemical Processing Plant***
Tamim Popalzai, Technical Consultant, WorleyParsons

REPORT OUTLINES “GUIDE TO LOW-TEMPERATURE WASTE ENERGY RECOVERY TECHNOLOGY SELECTION”.

Attendees at the *Technology Forum: Low Temperature Waste Energy Recovery in Chemical Plants and Refineries*, convened on May 16, 2012, identified the need for a better guide to low-temperature waste energy recovery technology selection. Due to the short time available at the *Technology Forum*, the Guide was not defined in sufficient detail to progress the idea. This report summarizes the results from an industry workgroup convened after the *Technology Forum* to define the scope and function of the Guide. End-users envisioned the Guide as a web-based expert system that would assist them to identify technology categories or products that can use low temperature (<400 °F) waste energy at chemical plants and refineries. Find the report at <http://TexasIOF.ceer.utexas.edu>

MARK YOUR CALENDARS! TEXAS INDUSTRIES OF THE FUTURE UPCOMING EVENTS IN 2014 AND 2015

- *Texas Industrial Water Management Forum*, Nov. 6, 2014, Houston, Tx. Registration will open Oct. 1, 2014.
- *Texas Industrial Energy Management Forum*, March 5, 2015. Registration will open February 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.ceer.utexas.edu/tiof/tiofcontact.asp> to subscribe. Your information is never sold.

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