



Texas Industries of the Future

Texas Industries of the Future Sept. 1, 2007-Aug. 31, 2008 Accomplishments and Recognition

1. Launched the Texas Pilot Project for Plant Energy-Efficiency Certification. The US Department of Energy is working with Texas IOF to pilot an energy-efficiency certification program for manufacturing plants. The program kicked off in July 2008 with the first of three Management System for Energy trainings. In FY 2008 Texas IOF:
 - Recruited five Texas manufacturers to participate in the program. The five plants are: Cook Composites and Polymers Co. Houston plant; Union Carbide's Texas City Operations (a subsidiary of The Dow Chemical Company); Freescale Semiconductor Inc. Oak Hill plant; Frito-Lay San Antonio plant; and Owens Corning Waxahachie plant.
 - Worked with DOE and the Superior Energy Performance partnership on the continued development of the national plant energy-efficient certification program.
 - Organized sessions at the 2008 Industrial Energy Technology Conference and the 2008 World Energy Engineering Congress on the certification program.

2. Conducted Research on the Use of Landfill Gas in a Mixed Fuel System. The feasibility analysis of the use of landfill gas in a mixed fuel system found that there were no significant environmental or operational impediments to the use of landfill gas to generate steam at a petrochemical plant in the Houston-Galveston area. Landfill gas was found to have a beneficial effect on nitrogen oxides emission compared to natural gas, causing a significant (50%) reduction in ppm levels if the gases are co-fired or if LFG is used separately.

3. Organized the first ever energy management track at the Texas Chemical Council (TCC) annual seminar. Texas IOF will continue to work with TCC on energy management sessions at their annual seminars.

4. Hosted two Texas Industrial Energy Management Forums Reaching More than 200 Attendees.

5. Hosted four Best Practice trainings with 98 Attendees. They included:
 - Motors End User Training, Sept. 12, 2007. In conjunction with the Texas Manufacturing Assistance Center. 42 attendees.
 - Process Heating End User Training, Oct. 31, 2007. In conjunction with the Industrial Safety Training Council. 9 attendees.
 - Motors End User Training, Dec. 4, 2007. In conjunction with the Texas Manufacturing Assistance Center. 28 attendees.
 - Pumping System End User Training, Oct. 25, 2007. In conjunction with the Houston Business Roundtable. 19 attendees.

6. Organized a “Save Energy Now” Event to Recognize 15 Texas Plants. US DOE, the Texas State Energy Conservation Office, and Texas IOF hosted an event on April 9 in Houston to recognize 15 plants in Texas that achieved significant energy savings under the UIS DOE *Save Energy Now* program. Keynote speakers included the Texas Secretary of State Phil Wilson and Fred Moore, Director, Manufacturing and Technology, Energy Business, Dow Chemical Company. The 15 sites combined saved 1.1 trillion Btus per year from their actions.

Recognition

The program was recognized for National Leadership in Energy Conservation and Environmental Stewardship at the 2008 Industrial Energy Technology Conference.