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News Bits:

Lipten received a contract to provide Mac Steel with an engineering study regarding their boiler equipment needs.



Lipten has been contracted by Ford Motor to complete a MACT conversion for two coal fired boilers with Combustion Pac Controls.



Lipten has received an order to provide Central Michigan University with a Master Pac controls package for their central energy plant.



Lipten has been contracted by Roseacre-Blue Moon to install a new heat exchanger and Combustion Pac controls upgrade for a wood combustion system.

Lipten installs New 750-HP Firetube Boiler at Allentown State Hospital

Allentown, Pennsylvania – Lipten Company was contracted to engineer, supply, install and commission the capital equipment for the Allentown State Hospital Powerhouse Renovation Project. Within this scope, Lipten provided one (1) 750-HP (~25,000-pph) package boiler-dual fuel, two (2)

equipment, Asbestos Abatement and installation of an emergency rental boiler piping system.



New Firetube Boiler during move-in

20,000-gallon Fuel Oil Storage Tanks with tank management system, Fuel Oil Pump Skid, Steam Management System and ancillary equipment.



Installed Fuel Oil Storage Tanks

To facilitate the installation of the new boiler, the project also included demolition of a coal fired boiler, FD & ID Fans, stack, coal & Ash handling



Coal Boiler prior to Demolition

Lipten also provided full Engineering Services, Project Management, Startup and Commissioning Services for the systems as well as Operator Training. Local skilled trades were utilized for Demolition, Asbestos Abatement, Excavation, Fuel Oil Tank Installation, Mechanical Rigging & Installation, Electrical Installation and Protection fencing.



Installed Firetube Boiler w/Dual Fuel Burner

New Director of Marketing!!

Wixom, MI —

Lipten is pleased to announce the addition of Frank Casteel as the Director of Marketing & Sales Operations. Frank brings to this position many years of senior level field sales management experience in the construction industry. He holds an MBA in marketing from the University of Connecticut. His undergraduate studies included architecture and electrical technology. Frank's immediate task is to assess and build our sales rep network in North America. Frank is looking forward to assisting you and your company on your next Central Energy Center Project. E: fcasteel@lipten.com

DID YOU REMEMBER?????????

The new MACT standards deadline of September 1, 2007 is just around the corner !!!

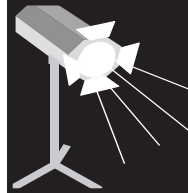
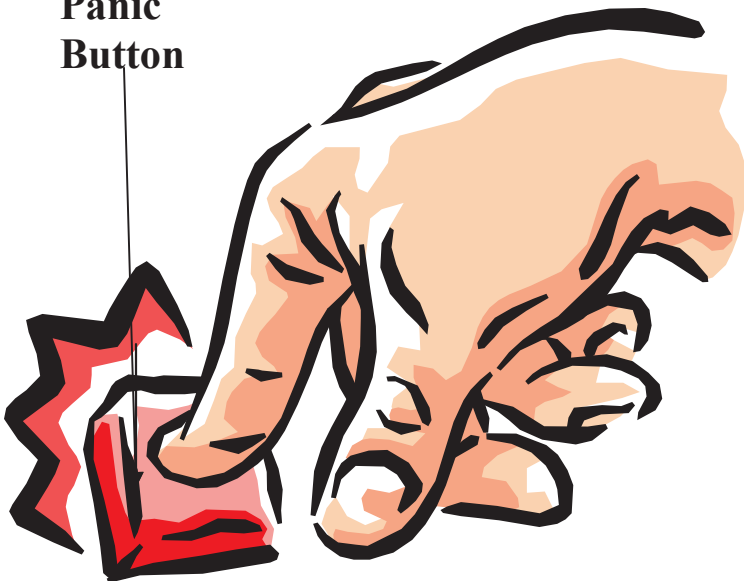
Has your facility been brought up to compliance with the new requirements and minimum standards?

Lipten Company can assist you in assessing your facilities current boiler and other combustion equipment.

Waiting too long will cost BIG \$\$\$\$\$\$



**Panic
Button**



Spotlight On ... O. Miller Associates LLC Los Angeles, California



O. Miller has been a successful rep organization since 1945 when it began as the Miller-Joyce company. With over 150 years of combined sales experience, O. Miller can provide your company with the very best advice when it comes to Central Energy Plant projects.

O. Miller Associates have been a Lipten rep since December of 2005.

Pictured above from left to right:

Jim Roth, Gregg Bensinger, John Jones, Greg Whitacre, Bill Heatley and Bob Ladd.

Their sales team all have engineering degrees and average over 20 years with the company. O. Miller focuses their sales efforts on the end user markets in most western markets.

They have been particularly successful in the aerospace and other industrial markets. They are very experienced in highly technical applications that have long gestation periods and work hard at developing long term relationships with their customers at all levels.

They can be reached at: 562-908-1300.

The Lipten Company is very pleased to have such an experienced sales team as O. Miller Associates as our representative. Give them a call for assistance on your boiler, chilled water system energy project....you will be glad you did.



by Jim Spencer

Wixom, Michigan –

Energy Efficiency In Industrial Processes

The industrial sector accounts for 38 percent of national energy consumption and about 10 percent of our petroleum consumption. The industrial sector is extremely diverse as it includes agriculture, mining, construction, and manufacturing, which represent about two-thirds of total energy use. Since 1975, total industrial energy use in the U.S. has increased by an average growth rate of 0.9 percent per year. National economic output (GDP) more than doubled during the same period, meaning industrial energy intensity has fallen. Progress in reducing industrial energy intensity has been uneven

Changes in energy intensity

Manufacturing industries made great strides in reducing their energy intensity (energy use per dollar of output) during 1973-85. However, overall manufacturing energy intensity stagnated during 1985-94 due to falling and low energy prices, economic recession during part of this period, and a recovery in some of the more energy-intensive sectors such as steel and aluminum production. But industrial energy intensity again declined significantly during the late 1990s due to high capital investment, rapid industrial modernization, and explosive growth of "high-tech" industries that are not very energy intensive.

The future of energy intensity improvements

There is still enormous potential for energy efficiency improvements in the industrial sector. Key energy efficiency and energy savings measures include cogeneration of electricity and process heat, more efficient motor systems, industrial process innovations, better process controls, and increased recycling and use of post-consumer scrap. Barriers to industrial energy efficiency improvement include limited awareness of savings opportunities, low priority given to energy issues in many companies, competition for capital and high required returns for energy savings projects, energy prices that do not

reflect the full costs to society from energy production and use, and lack of skilled personnel in many "downsized" companies. Policies for overcoming these barriers include:

- Expanded information, education and technical assistance;
- Financial incentives for innovative technologies;
- Greater adoption of voluntary commitments to reduce energy intensity and/or pollutant emissions;
- Removal of utility, environmental, barriers inhibiting greater use of cogeneration;

Adopting these policies could lead to a 10 percent or greater reduction in industrial energy use and CO2 emissions by 2010 and a 20 percent or greater reductions by 2020, relative to projected industrial energy use and CO2 emissions with current policies and trends continuing.

Industrial Energy Efficiency Facts:

- Industrial sector energy use in 1999 - 36.5 quadrillion BTUs
- Electricity share of total industrial energy use - 30%(*)
- Natural gas share of total industrial energy use - 28%
- Petroleum share of total industrial energy use - 26%
- Overall industrial energy savings potential from voluntary agreements and other supporting policies - 11-16%
- Fraction of industrial electricity use produced by cogeneration - 25%
- Potential fraction of industrial electricity use produced by cogeneration -- 50% or more

(*) Includes losses in electricity generation and distribution.

To address the specific concerns that you may have regarding these issues, please contact Lipten at: 800-860-0790. Our engineering staff will be happy to assist you in any way we can.

Find us at: www.lipten.com

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Local Sales Offices:

Eastern Region:

Pittsburgh:	<i>Thermal Power Products</i>	<i>724-935-6900</i>
Charleston, WV:	<i>Thermal Power Products</i>	<i>724-935-6900</i>
Philadelphia:	<i>Bemark Associates Inc.</i>	<i>302-322-7900</i>
Baltimore:	<i>Bemark Associates Inc.</i>	<i>302-322-7900</i>
Wash D.C.	<i>Bemark Associates Inc.</i>	<i>302-322-7900</i>
Richmond:	<i>Dominion Technical Sales</i>	<i>804-755-6007</i>
Birmingham:	<i>Hughes Machinery</i>	<i>205-424-4600</i>

Central Region:

Detroit:	<i>D.J. Conley Associates</i>	<i>248-589-8220</i>
Cincinnati:	<i>H.P. Thompson Inc.</i>	<i>513-831-8044</i>
Indianapolis:	<i>A.B. Young Companies</i>	<i>317-565-5000</i>
Louisville:	<i>H.P. Thompson Inc.</i>	<i>513-831-8044</i>
Chicago:	<i>Synergy Systems</i>	<i>630-778-1960</i>
Milwaukee:	<i>Synergy Systems</i>	<i>630-778-1960</i>
Minneapolis:	<i>Campbell-Sevey</i>	<i>952-935-2345</i>
Kansas City:	<i>Hughes Machinery</i>	<i>913-492-0355</i>
Wichita:	<i>Hughes Machinery</i>	<i>316-612-0868</i>
Nashville:	<i>H.P. Thompson, Inc.</i>	<i>513-831-8044</i>
St. Louis:	<i>Hughes Machinery</i>	<i>314-579-4112</i>
Omaha:	<i>Hughes Machinery</i>	<i>402-571-5004</i>
Moline:	<i>Midwestern Engineering</i>	<i>309-764-1561</i>
Dallas:	<i>Hudson-Rush Company</i>	<i>214-343-6471</i>
San Antonio:	<i>Rand Associates</i>	<i>800-229-9091</i>
Houston:	<i>Burner Combustion Systems</i>	<i>713-453-3539</i>

Western Region:

Denver	<i>O. Miller Associates</i>	<i>562-908-1300</i>
Phoenix	<i>O. Miller Associates</i>	<i>562-908-1300</i>
Salt Lake City	<i>O. Miller Associates</i>	<i>562-908-1300</i>
Seattle	<i>O. Miller Associates</i>	<i>562-908-1300</i>
San Francisco	<i>O. Miller Associates</i>	<i>562-908-1300</i>
Los Angeles:	<i>O. Miller Associates</i>	<i>562-908-1300</i>

