



IHACI

See us at IHACI
Nov. 13 in Pasadena

DB Sales & Service will be at the IHACI LA/OC Trade Show on Wednesday Nov. 13th at the Pasadena Convention Center. Come see us at booth 623. <http://ihaci.org/>

Ice Thermal Storage Systems Lead the Way to Greater Energy Savings



Diligent building owners and facility managers are on a continuous quest to reduce their mechanical systems' energy costs. Improving the efficiency of the HVAC system is one of the first places they look, since it plays such a major role in a building's energy output. Many have achieved this goal by turning to ice thermal storage technology.

The Ice-Cel™ Integrated System from Dunham-Bush is designed to reduce peak demand on its generation and distribution system and save electrical cost in air conditioning systems. During operation, the Ice-Cel™ Integrated System shifts partial or full operations of an electric driven chiller from a peak period to off peak. During that off-peak time, cool thermal energy is stored by using insulated storage tanks. Once back to peak period, the cool thermal energy is used to complement or replace the chiller to serve the air conditioning loads.

Contact DB Sales to learn if Ice-Cel™ is right for your building(s).

Southern California Edison Rolls Out "Permanent Load Shifting Program"

Southern California Edison (SCE) has listed the key features of its Permanent Load Shifting Program in its July 2013 Program Guidelines literature.

According to SCE, "permanent load shifting (PLS) can help reduce system peak load by storing energy produced during off-peak period and shifting electricity use from on-peak to off-peak periods on a recurring basis. Shifting daily loads benefits customers by reducing the utility-bill peak demand and improving facility plant efficiency."

SCE's website explains: "SCE's PLS program provides financial incentives to qualifying participants for the installation and operation of Thermal Energy Storage (TES) systems. Qualified customers may receive reimbursements of up to \$875 per kilowatt (kW) of the designed and verified cooling load shift. Customers with high on-peak cooling loads are the best candidates for PLS."

Please [click here](#) for more information on SCE's Permanent Load Shifting Program, or talk to your DB Sales account manager.

LA Times Gets New Efficient and QuietHydroTherm Boilers



The boilers at the LA Times headquarters were old, inefficient, and did not meet emissions standard for low NOx. It was time to upgrade to highly efficient, energy saving boilers that met emission standards for the air quality control district.

The solution came from DB Sales, which proposed and installed four HydroTherm KN 20 boilers. The system was designed using on board control system allows for a trouble-free operation. One boiler is set up as the "lead" and the other three are "slaves". As a bonus, the four boilers periodically rotate positions to spread the workload. Additional boilers can simply be added to the sequence if they are required in the future.

The result has been an excellent high-efficiency boiler system and a \$15,000 rebate to the LA Times from Southern California Gas Company-a reward for replacing outdated boilers with energy efficient low NOx boilers.

Dunham-Bush Introduces High Efficiency Chiller

Dunham-Bush was one of the first manufacturers associated with DB Sales. Their emphasis on energy efficiency products is perfectly aligned with our company's expertise in designing, installing, and maintaining a full set of high-efficiency products. So when they announce a new product, we listen.

The latest addition to their product line is a WCFX-E water cooled screw chiller. Its tank storage capacity ranges from 120 to 240 ton-hours and includes a 20 year warranty. They maximize efficiency by utilizing off-peak power production to keep operating costs to a minimum. The WCFX-E has a quick load pull-down and fast cooling capacity from 175 - 3482 kW (50 - 990 TR). Other benefits include:

- Quiet, Reliable Series of Vertical Screw Compressors
- Improved Flooded Shell & Tube Evaporator and Condenser
- High Efficiency and COP
- Advanced Vision 2020i Controller
- 7.0" TFT Colors Touch Screen Display
- PHE DX Subcooler
- AHRI Certified
- R134a

Each unit has quiet rotary screw compressors with a one-year parts warranty. The additional integral compressor VFD's provides many chiller models with IPLV's less than 0.3 kw/ton at ARI conditions.

For more information on the WCFX-E and Dunham-Bush's lineup of energy efficient products visit <http://www.dbamericas.com>.

About DB Sales

DB Sales is a leading representative firm for a full line of HVAC and plumbing products, serving Los Angeles, Orange, Riverside, and San Diego Counties since 1978. The company is distinguished by the high-efficiency equipment expertise of the sales personnel. They are a licensed service contractor and factory certified for all the equipment that they sell. www.dbsales.net

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