

DUNHAM-BUSH AMERICAS

SALES AND SERVICE
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Desoto County High school Phase 1 & 2

Dunham-Bush Americas proves a lesson well learned for Desoto County high school.

CHALLENGE

A few years ago Desoto County high school, located in Arcadia, Florida was spending more funds on keeping their outdated chilled water system running than budgeted. The School board was looking for a solution to provide a high efficient system meeting the guidelines of Florida Power & Light. The Florida Power & Light guidelines offer rebates paid back for the amount of energy shifted from peak hours to off peak hours. The installation transition from the old system to the new system was scheduled over the high schools winter and summer breaks, during which the school did not have to rely on the air conditioning running. Both time and energy were being wastefully spent not only economically, but also environmentally on servicing the old equipment. Dunham-Bush Americas located in Miami, Florida had a trust worthy, economical, GREEN solution called thermal storage.

SOLUTION

Desoto County high school was impressed by the sophisticated thermal storage system combined with the promise of a quick installation completed in 2 phases. Wasting no time DBA along with B&I contractors, a desired local mechanical contractor were recruited to retrofit the system. Phase one was completed over winter break taking 3 weeks in total, and Phase two was finished over the schools summer break totaling 2 months.

RESULTS

Desoto County high school received a Florida Power & Light installation rebate of approximately \$250,000 as a result of the amount of energy shifted from peak to off peak hours. In addition to the Florida Power & Light rebate an annual savings of 30% was obtained in operating costs due to the high efficient system.

Desoto County high school is extremely satisfied with the new highly efficient, remarkably operating thermal storage unit. The new system along with the Florida Power and Light savings scores an A+.

Products that perform...by people who care

THE SPECIFICS

- ▶ Onsite training
- ▶ (1) HXWCi320-6SR water cooled screw chiller
- ▶ (1) HXWC240-6SR water cooled screw chiller
- ▶ (7) Roof top chilled water air handlers
- ▶ Chiller plant controls



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HXWGi WATER COOLED SCREW CHILLER



ROOF TOP CHILLED WATER AIR HANDLER



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