

Green Guide Spotlight

Success stories from *Green Guide* Pilots and Registrants

Energy Conservation: Dell Children's Hospital of Central Texas

Seton Healthcare Network partnered with Austin Energy to construct a Combined Cooling, Heating, and Power plant (CCHP) to service the new 470,000 sf replacement Children's Hospital in Austin, Texas. The CCHP plant will produce energy, chilled water for air conditioning, and steam for the hospital. It will serve the surrounding development with chilled water for commercial air conditioning needs.

The CCHP will be 70% efficient at primary fuel conversion to useful energy. This equates to an approximate 50% savings in primary energy utilization compared to the traditional power service model.

From the Hospital's perspective, the CCHP will provide more reliable power and more backup power than a traditional energy source. The CCHP also saves the hospital several million dollars of capital expense that would have been required to construct a central plant. A considerable percentage of the savings are being reinvested in energy conservation measures for the new hospital.

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