



Green Star Engineering LLC (GSE) is an engineering firm (Texas F-16075) with expertise in energy efficiency, energy cost management, and energy systems project development. We apply a methodical and team-oriented approach derived from years of experience analyzing, designing, implementing, and verifying energy cost reduction measures in a wide variety of facilities and systems including the most complex central plant systems. We have the expertise to assist you with your facility-wide search for energy efficiency and cost reduction opportunities as well as help you solve your most elusive operational problems.

RETRO-COMMISSIONING CASE STUDY : HOSPITAL



SITUATION

Originally constructed in 1967, the 880,000 square foot hospital building had undergone several major renovations and improvements over the years. To help stem the effect of rising energy costs on a tight budget, the hospital looked to their local utility's retro-commissioning program to help identify low-cost opportunities that would save money while maintaining the critical mission of the hospital. The retro-commissioning survey, provided at no cost to the hospital, was just what the doctor ordered in order to treat their systemic growth of energy consumption.

SOLUTION

Together with other utility partners, Green Star Engineering worked directly with the hospital operations staff to meet the challenge. Not only did the survey reveal energy cost reduction opportunities that could be implemented by the hospital's operations staff but operational problems that had existed for years were addressed and solved during the process. Energy cost saving capital improvement opportunities were also identified for consideration by the hospital.

For more information about utility sponsored retro-commissioning programs in your area or to request a quote for retro-commissioning your facility, please contact:

James B. (Jim) Watt, PE
Green Star Engineering LLC
jimwatt@greenstarengineering.com

Or visit our web page and click on the "Contact Us" tab to send us a message describing your situation and we will work with you to find the right solution.

// RESULTS

Peak Electricity Demand Reduced
Electricity Consumption Reduced
Natural Gas Consumption Reduced
Annual Energy Cost Reduced
Operational Problems Solved