

Seven Acres Jewish Senior Care Services Center, Houston, Texas

Identification and Implementation of Energy-Saving Measures



Estimated Annual Utility Cost Savings:

\$89,250

Total Utility Incentive Rebate:

\$32,329

Energy Savings:

1,275,002 kWh

SUMMARY

Willdan Energy Solutions identified multiple energy-saving measures at Seven Acres Jewish Senior Care Services Center. Capital projects implemented include retrofitting T-12 fixtures to T-8 fixtures with reduced wattage lamps in multiple buildings, and adding variable frequency drives (VFDs) and controls to the kitchen hood exhaust. Willdan also identified numerous opportunities to optimize the HVAC systems, such as air handling unit leaving air temperature resets, room temperature setpoint changes, chilled water and heating hot water differential pressure resets, minimizing simultaneous heating and cooling, etc. In total, Willdan helped Seven Acres save over \$89,250 annually in electricity costs, with an estimated 13% annual electricity savings, and assisted them in receiving over \$32,000 in cash incentives through the Utility's Healthcare Energy Efficiency Program (HEEP).



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