

Helios Energy's Total Energy (TotalE™) approach combines Energy Management (EM) + Energy Efficiency (EE) + Clean Energy (CE) into one integrated methodology assuring that our clients will reach their Total Energy goals.

Our Approach



STEP 1: ENERGY MANAGEMENT

First, we help clients identify current consumption levels through our energy analysis and audit process. This includes 'front of the meter' measurements and metering, as well as fault detection. After this process, we craft a Strategic Energy Plan tailored to identify how we will meet our client's unique energy goals. This pillar is about the bigger picture of your energy consumption, and this is the point where we give you the tools to manage your energy usage and consumption. That way, you can control and monitor your building's energy systems and their level of efficiency.

STEP 2: ENERGY EFFICIENCY

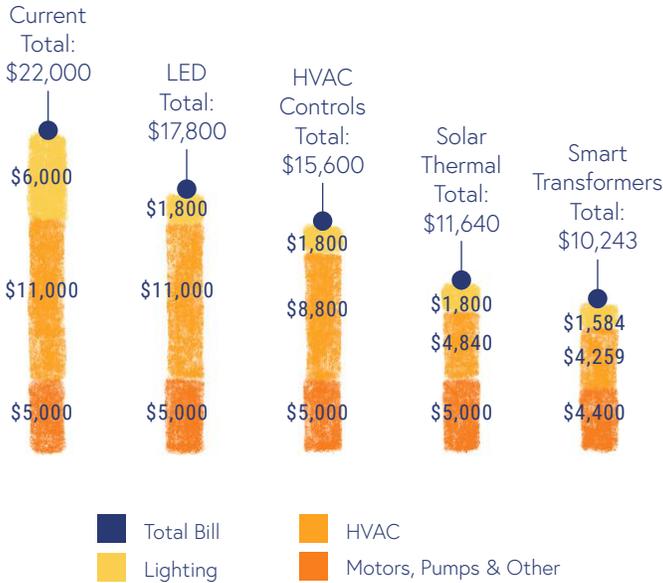
With a curated Strategic Energy Plan, we then work to implement a set of Energy Efficiency technologies that will reduce total energy consumption, reduce carbon footprint and begin driving financial savings. Energy efficiency technologies include, but are not limited to, LED lighting systems, smart transformers, HVAC units and controls, and HVAC solar thermal systems. Implementation typically begins with LED lighting systems as these solutions require 50-60% less energy than fluorescent tubes or incandescent bulbs and perform at greater than 70% of original lighting output for significantly longer. Often, we follow-up LED installation with HVAC retrofit and smart transformer implementation to optimize working conditions and drive further savings.



STEP 3: CLEAN ENERGY GENERATION AND STORAGE

Finally, we explore clean energy generation and storage options that are 'right-sized' for new, lower energy consumption levels. This step is 'behind the meter' and may include the implementation of solar energy, wind energy or energy storage solutions. In addition, if feasible, Clean Energy options could include owner installed and operated systems, Power Purchase Agreements (PPAs), and purchase of off-site renewable energy at discounted rates. When combined with Energy Efficiency solutions, Clean Energy technologies can work to reduce expenditures by another 50+%!

Drive energy consumption down **then** implement clean energy production.



WHAT ARE ENERGY EFFICIENCY TECHNOLOGIES?

- LED Lighting
- HVAC Controls
- HVAC Solar Thermal
- Smart Transformers

LED Reduction 70%	Monthly Savings \$4,200
HVAC Controls Reduction 20%	Monthly Savings \$2,200
HVAC Solar Thermal Reduction 45%	Monthly Savings \$3,960
Smart Transformer Reduction 12%	Monthly Savings \$1,397
Total Consumption Reduced 53%	Total Monthly Savings \$11,757

WHAT ARE CLEAN ENERGY TECHNOLOGIES?

- Solar Energy
- Wind Energy
- Energy Storage

- EE Technologies can combine to reduce energy expenses by up 53%
- Solar, Wind, & Energy Storage may be feasible for the facility
- CE options could include owner installed and operated systems, Power Purchase Agreements (PPA), & purchase of off-site renewable energy at discounted rates
- Combined CE options could further reduce energy expense by another 50+%!

