

SUPPORT SERVICES

ENERGY MANAGEMENT



CURRENT SSC PROJECTS UNDER INTELLIGENT ENERGY MANAGEMENT:

- Air handler unit retrofit and modernization
- Demand control ventilation
- Cooling tower optimization
- Full lighting controls optimization and LED fixture replacements
- Constant flow to variable flow conversions
- Electrical system power factor correction
- Variable refrigerant systems



ADVANCING SUSTAINABILITY THROUGH TECHNOLOGY

SSC understands that a successful and quality learning environment should be one in which students, faculty and staff are in a safe and healthy setting — one that also maximizes efficiencies around energy management and sustainable materials.

SSC has developed a multifaceted approach to energy management and sustainability. We have the experience and knowledge to help you create, maintain and grow a first-rate, customized energy-efficient program. With years of experience and industry leading professionals, SSC is the perfect partner to help you achieve your goals.

In addition to tangible conservation practices, monitoring and controlling energy consumption can have a major impact on your bottom line. SSC has

developed a comprehensive energy management program that can make operational adjustments to maximize efficiency in heating, cooling, and electrical usage. From small, energy efficient upgrades to major capital expenditures, SSC can deliver significant longterm return on investment through utility cost reduction. Our program can help you realize revenue growth that can be applied to other areas to help you achieve your goals.

INTELLIGENT ENERGY MANAGEMENT IN ACTION

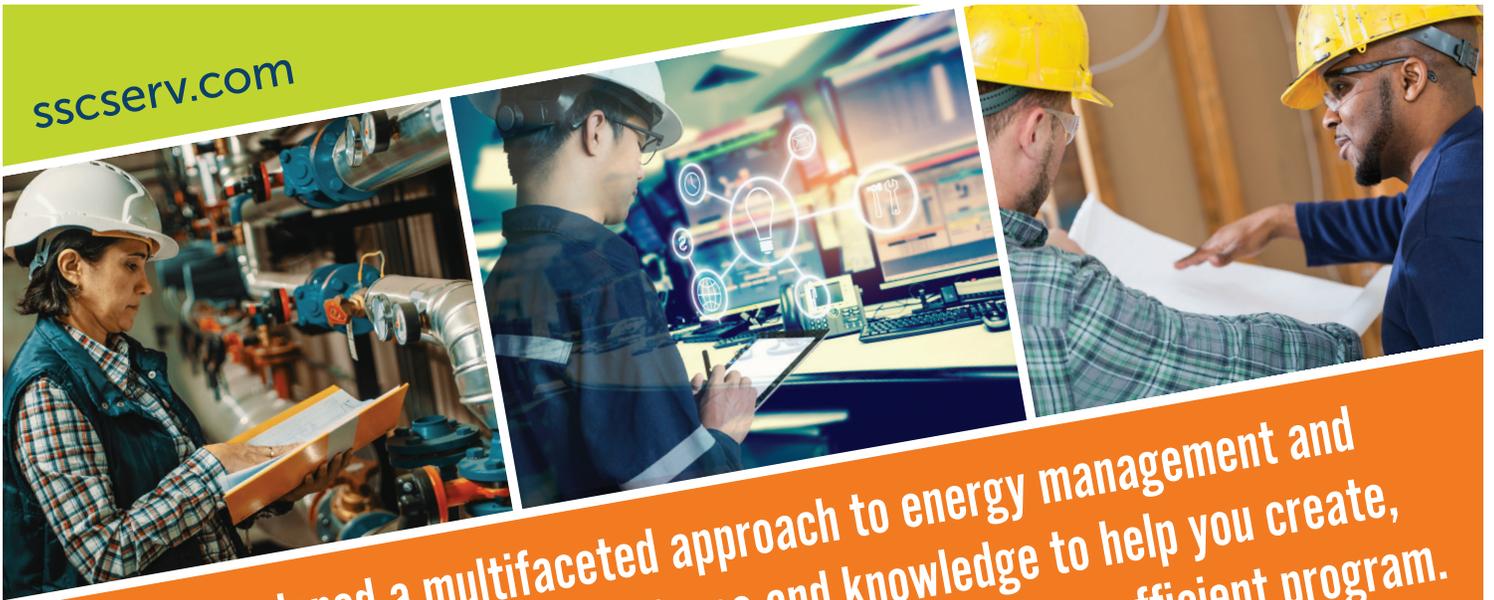
Our intelligent energy management process offers continual monitoring of facilities against industry benchmarks. Constant monitoring allows for quick identification of any issues or outliers in utilities

usage. This web-based access allows maintenance and management staff to access control from any location, ensuring your system performance meets or exceeds the original design.

We offer:

- A customized energy portal for client visibility, showing energy usage and cost
- Energy analysis and strategic planning
- Efficiency audits, including facility and infrastructure assessments
- Building automation evaluation/optimization strategies
- Planning/monitoring improvement of facilities to lower carbon footprint and provide energy savings

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CREATING IMPACTFUL ENERGY SOLUTIONS, FROM START TO FINISH

Administrators at many campuses simply don't know where to start when they think about implementing an energy plan. What do we need to improve? How will we pay for it? When will we see some return on our investment?

We can help answer those questions. SSC's Intelligent Energy Management program is managed by teams of professional engineers and architects, LEED-certified project managers, master licensed tradesmen and nationally-recognized industry partners like CMTA and Trane.

For example, we can help you identify the academic impact of an energy enhancement in circumstances like these:

THE ISSUE: Outdated technology and poorly-operating HVAC equipment and control systems are major contributors to warm and humid classrooms and code-deficient indoor air quality. A recent Berkeley National Laboratory Study showed elevated CO₂ levels correspond to decreased cognitive function. Children in classrooms with higher outdoor air ventilation rates tend to achieve higher scores on standardized tests in math and reading than children in poorly-ventilated classrooms.

OUR SOLUTION: Our energy team installs HVAC, lighting, and control systems that

meet and exceed ASHRAE standards, restoring the classroom to the appropriate academic learning environment.

THE ISSUE: Did you know that water use and energy use in buildings are closely linked? Reducing energy not only saves money on utility bills, but reduces the usage of water for both local cooling tower operations and remote power plants hundreds of miles away.

OUR SOLUTION: Reducing onsite water usage reduces the energy needed to heat the water in the building, and also decreases the amount of water needed from remote municipal water plants. We can implement a full energy management program website with full company engagement from the site technician to senior technician via web-based monitoring and routine audits.

INVESTING IN ENERGY EXPERTISE AND IMPROVEMENTS

We offer our clients a "mix and match" funding option, from bonds to Guaranteed Energy Savings Contracts (GESC). Our clients' most-preferred funding option is GESC, defined by the Energy Services Coalition as "the use of guaranteed savings from the maintenance and operations budget (utilities) as capital to make needed upgrades and modernizations to your building environmental systems, financed over a specified period of time." Savings from reduced utility bills, equipment and system replacement will help fund energy enhancements.

And with our expert team in place; school districts, universities and colleges will realize those savings quickly.

ADVANTAGES OF GESC:

- Turnkey project, transparent pricing
- Ability to select contractors/vendors on quality instead of low price
- Projects have long-term results
- Verification ensures system performance is sustained
- Client receives any and all energy