



Energy Simplified

Expert Consulting.

Customized Solutions.

Professional Implementation.

LUX SOLUTIONS

2295 Towne Lake Pkwy / Suite 116-258 / Woodstock, GA 30189

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Lux Solutions Energy Services Process

The below process defines the big-picture steps involved in successfully identifying and implementing energy conservation and generation projects. Each facility and facility type is unique and must be looked at as an individual project when creating and developing an integrated energy plan to optimize savings and avoid wasted costs on processes or technologies that ultimately cancel each other out.



Discovery Phase: Customer Interview, information intake form, review of interval data and load profile, presentation of initial findings and project feasibility



Customer Engagement: Review of initial findings and recommendation with discussion around each of the conservation and generation services. Determination of whether to engage Lux Solutions for the auditing, design, management, and implementation of energy services



Facility Audit: Onsite audit to verify scope and gather detailed information required for more precise modeling and projection of energy savings and projected ROIs



Opportunity Identification: Presentation and evaluation of the estimated savings and ROI by each conservation and generation opportunity identified through the on-site audit(s).



Implementation Plan: Development of implementation plan with optimization and prioritization of opportunities in order to maximize savings while minimizing the investment. Includes estimated budget, ROI, and project scheduling



RFP Development: Develop and prepare RFPs and scopes of work for each opportunity along with management of the RFP process with criteria and rubrics for evaluating each proposal. Recommendations will be discussed with customer prior to selection.



Project Management and Implementation: Direct oversight, management, and process controls for implementation of each energy conservation and generation project.



Post-Project Analysis: Ongoing analysis and monitoring of each conservation and generation project for measurement and verification and ongoing performance



Lux Solutions Energy Services and Product Offerings

Our energy services are broken into three categories: 1) Energy Conservation Technologies; 2) Energy Generation Technologies; 3) Energy Design, Consulting, and Management Services. The products and services identified below are not a “one-size-fits-all.” Each customer’s operations, facility, and utility structure require individual assessment to determine the viability and value of implementing the below solutions.

Our team works to determine not only the viability of the below solutions but optimizes their implementation and the order of implementation to achieve the greatest results and ongoing savings with the least amount of investment. We treat your facilities as our own, and work toward the solutions that provide you the greatest possible value.

Conservation Technologies and Practices:

- Lighting Upgrades and Lighting Usage (LED, Sensors, Daylight Harvesting, etc.)
- Adjustable Speed Drives
- Compressed Air Systems
- Refrigeration Systems
- Peak Shaving Procedures
- Load Shifting Procedures
- Ceramic Window Film
- Heat Recover to Electricity or Re-Use
- Reflective Roof Coatings
- Reflective Paint
- Heat Removal
- HVAC and Chiller Systems
- Gas-Fired Chillers
- Geothermal Systems
- Water Reduction Technology for Irrigation
- Solar Hot Water
- AHU UV Systems
- Data Monitoring Systems
- Process Optimization
- EV Charging Stations
- Rate Modifications
- Deregulated Electricity and Natural Gas Procurement

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Generation Technologies:

- Solar PV Systems (Roof-Top, Carport, Ground-Mount)
- Power Storage
- CHP Micro-turbines
- Digesters to Methane
- Digesters to Hydrogen
- Plastics Conversions to #2 Diesel
- Plastics Conversion to Electricity

Consulting and Design Services:

- Site Auditing
- Utility Analysis (interval utility data)
- Project Modeling (sizing and arrangement of technology components)
- FEED (Front End Engineering and Design)
- RFP Development and Oversight
- Project Management and Implementation of Approved Projects and Processes
- Title 24 Engineering and Acceptance Testing (California)
- Interior/Exterior Lighting Design and Code Compliance
- Utility Benchmarking
- Utility Bill Measurement & Verification