CASE STUDY

North Carolina School District Refreshes Gymnasium with LED Lighting

Challenge:
Surry County School District identified gymnasium lighting in its schools as an opportunity to upgrade facilities, and achieve energy and maintenance savings. The District selected Dobson Elementary School as a test site to replace 400-watt metal halide fixtures.

Solution:
Dobson Elementary was equipped with 10 Lithonia Lighting® IBH low bay LED luminaires. The fixtures are projected to save Surry County School District nearly $1,350 per year.
Our goal is to provide a turnkey solution for your renovation & retrofit plans that will meet all of your expectations. We are confident our 5 step process will help you develop the strategy which makes the most financial sense and will move you toward your goals of Energy Reduction, Maintenance Reduction, Increased Productivity, Reduced Environmental Impact, and much more.

5 STEP PROCESS
Lighting & Retrofit Solutions

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Audit
We take extra care to make sure we have the correct lamp types and counts as this analysis is the basis for all calculations. This will also insure we calculate the correct bill of materials and your Return on Investment. In addition, we evaluate each space within the area to determine whether the space is over or under-lit.

- Space-by-space analysis
- Performed by a trained specialist

Design
With our NCQLP – LC on staff, we have the ability to virtually design each space in house at no additional cost to you. We ensure you are maximizing your budget and choosing the strategy that makes the most financial sense.

Calculations
Once the fixtures and lighting controls are determined we can begin creating the Efficiency Measures which will ultimately calculate the ROI for your project.

Efficiency Measures:
- kWh Savings
- Operating Savings
- Payback
- NPV

This information is needed to calculate any rebates which may be available from the utilities.

Proposal
This information is then combined into your entire job proposal. Examples of information include:
- Executive Summary
- Space by Space Upgrade Overview
- Cost of Waiting
- Environmental Impact Calculations

We have the ability to subtract or add additional information as requested. This information becomes the scope of work and the baseline for both installation and financing.

Rebate Administration
We manage the entire process from pre-application until you have your check in hand.

Financing
For your project to be financed, it has to make financial sense for both you and the lender. For a project to qualify, it must meet certain ROI length criteria. Our calculations are used to ensure the scope of work is accurate and help bring reassurance to the lender. The goal is to make you cash flow positive immediately, for example If your monthly savings are $1,000, your monthly payment might be $800.

Not only can you finance material cost, but you can also include any soft costs such as labor.

Installation
State Electric Supply Co. does not do installation, however, we work very closely with hundreds of Electrical Contractors (EC’s) across the Mid-Atlantic to provide you with the best fit for your project. They will do a walkthrough as well to get a feel for the scope of work, and will utilize our proposal to calculate disposal costs as well as fixture counts to give you an accurate quote.

We Accept the Challenge, Large or Small, to Find the Right Solution for You
We will work with you to assure we are meeting the expectations you have. We will educate you on the different capabilities and options to work within your budget.
LED BENEFITS
- Energy Savings
- Low Maintenance Costs
- Long Life
- Durable
- Low Wattage
- Cool Temperatures
- Environmentally Friendly
- Better Light Quality

CONTROL DESIGN
- Occupancy, Vacancy, Daylight Harvesting, Scheduling, Load Shedding, Energy Management, Building Automation
- Design to code requirements
- Bill of Material (BOM) Generation
- Ability to work one-on-one to assure proper sequence of events for your space
- Commissioning and Start-Up
- New Construction or Renovation

LIGHTING CONTROL
We have the ability to help you maximize and future proof your investment. Controls unlock the full potential of LED fixtures and give you the ability to maximize your efficiency. Whether you have a full building controls system or you want to start with a single room, we can help you build a platform that will allow your system to grow at your pace.

LIGHTING DESIGN
- Design to IES recommendations
- Ability to layout space with several different manufacturers
- Bill of Material (BOM) Generation
- Generate point by point foot candle levels
- Ability to render design to help you truly visualize your space
- New Construction and Renovation

LOCAL • KNOWLEDGEABLE • SUPPORT

WE ARE YOUR TOTAL ENERGY SOLUTION
To Find a Location Nearest You Visit stateelectric.com
Request our 5 Step Process Lighting & Retrofit Solutions

Energy Solution Specialists
We offer expert staff across our footprint to help you on products and solutions to maximize your energy efficiency.

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