



Warrell Creations

LED Lighting Case Study

ABOUT

Warrell is proud to be one of the top contract candy-manufacturing companies in North America. Their development and mastery of six core manufacturing processes, including chocolate enrobing, chocolate panning, fire roasting, brittle, nut clusters, and better-for-you snack bites enables them to serve the needs of many of the top food companies worldwide. They saw a unique opportunity to capitalize on substantial energy and maintenance savings through improved LED lighting practices.

OPPORTUNITY

Warrell Creations needed innovative ways to upgrade lighting throughout their facility and enhance security through perimeter lighting while simultaneously taking advantage of energy-saving rebates. In their research of LED lighting retrofit projects, Warrell Creations consistently faced two significant roadblocks: they did not want to invest the upfront capital to fund the project, and their staff did not have the time to perform the tasks needed to complete the project.

SOLUTION

Fortuitously, Warrell Creations Chief Operations Officer, Clifton Dorsey, was attending a MANTEC, Inc. conference, when he was first introduced to APPI Energy's Solutions team. Through conversations with the team at APPI Energy, Dorsey soon discovered that the roadblocks they were currently facing to achieve their LED lighting goals were in fact possible. For starters, Warrell Creations could accomplish the entire project using an on-bill funding program. To that end, APPI Energy went to task to negotiate a favorable rate with a supplier who would both fund the project upfront and complete the installation quickly without interfering with operations in the warehouse.

The full cost of the project was spread across Warrell Creations energy bill over a 5-year span. Meanwhile, monthly energy savings were used to pay for the project, ultimately resulting in surplus savings each month of \$1,340.97. In addition to cost savings, the new LED lighting touts increased efficiency with a 5-year guarantee that eliminates maintenance costs for at least 5 years. The lighting also dramatically increases perimeter and parking lot visibility, providing greater security for their team.

Project Snapshot

- First year energy cost savings: **\$144,734**
- Section 179 tax write - off: **\$74,443**
- Rebate Secured: **\$54,211**
- Annual energy savings: **1,084,222 kWh**



"We had been performing retrofits on some of the lights as our maintenance department found time and capital. However, it is wonderful to get the entire project completed and done all at once. The On-Bill Funding solution made it easy for us to move ahead with the project. Our leadership team really liked the no upfront capital option and it certainly makes sense that we get to use some of our savings to pay for the project. On top of all the savings you have been able to help us enjoy, the lighting is just incredible. What a difference it has made in our plant. The LED's are so much brighter and provide such a cleaner look. I have received many compliments from the staff and clients on how great the lights look! The plant has taken a giant step forward. Then to know that we do not have to worry about maintaining any of the lights for at least the next 5 years and it just makes my life that much easier!"

- Clifton T. Dorsey
Vice President, The Warrell Corporation

