

Company Profile

Company Name	Government Energy Management
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City, State, ZIP Code	Summerville, SC 29483
Phone number	888-943-3052

Customer Profile

Customer Name	United States Army Reserve
Division	63 rd USARC
Address	8001 Camp Robinson Road
City, State, ZIP Code	North Little Rock, AR 72118

Contact Name	Hays Kinslow
Title	Energy Manager
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Project Summary

Camp Pike was chosen as a “worst case scenario” to test the GEM Energy Protection Device (EPD) because repeated lightning strikes had caused phone system failure. While no direct disturbance of the lighting had been caused, a second EPD was added to protect GEM LED lighting that was recently installed in another building on site.

Pictured to the right is an interior view of the installed EPD.

Pictured below is a Before and After of Camp Pike’s parking lot fixtures. Existing 400W HPS were replaced with 120W GEM LED fixtures.



Before:



After:



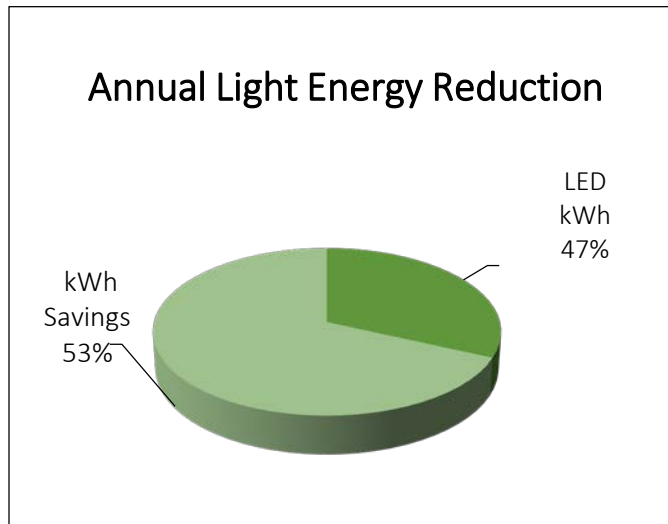
Benefits

With the installation of the GEM EPD, the 63rd USARC – Camp Pike is now experiencing cleaner energy and higher operating efficiencies for all connected devices; including the lighting and phone systems.

The graph to the right illustrates how much GEM's Energy Efficient Lighting System will save on their current lighting energy expenditure. This, coupled with the extended 60,000 hour warranty with the EPD, gives the client unmatched protection on the investment; as there is virtually no need for maintenance costs or replacement materials for the duration

of the warranty period – further increasing future cost savings.

GEM's technical proficiency with its products, seamless project execution, flexibility, and customer service has provided Hays Kinslow, the Energy Manager for the 63rd USARC, the confidence to make similar inquiries for future purchases throughout the 63rd USARC on a number of GEM's products and services.



By switching to energy efficient LED lamps, Camp Pike was able to reduce their kWh consumption by 53%. Replaced lamps included interior T8 fluorescents and exterior HID parking lot lamps.

Products and Services

GEM performed all necessary audit, design, and installation aspects of the aforementioned EPD and energy efficient lighting projects. Mr. Kinslow was impressed with GEM's service and expertise, and has inquired about GEM's other technology offerings as well.

GEM efficient hot water systems offer great potential to replace Camp Pike's aging, cast iron boiler and direct-fired commercial water heater – both of which that have AFUE efficiencies at or below 50%. GEM's solution boasts up to 98.5% efficiency, redundancy, and instantaneous / endless hot water for the facility. The system has been approved and will be installed in the summer of 2014.

The 63rd USARC is currently leading the charge on solar implementations with large photovoltaic systems at MOTCO / Concord and BT Collins in Northern California. MOTCO also utilizes solar thermal water heating arrays placed strategically above windows to provide exterior shading and improve the building's visual appeal. Mr. Kinslow has ordered a single evacuated tube array for Camp Pike to provide domestic hot water. Officials from the US Army and Army Reserves witnessed the array's capability firsthand at an Earth Day Event at Grand Prairie, TX in April of 2014. This system has also been approved and will be installed in the summer of 2014.