

Facilities & Locations:	AutoZone, 1700 locations Nationwide, Phase I/II.
Site Point of Contact:	John Ciesliga, Manager, Process Improvement, (901)-495-7570 Corporate Office, 123 S. Front Street, Memphis TN 38103
ECM's:	Replace all existing roadway, exterior and area lighting with energy efficient Induction retrofits or new equipment
Project Investment:	\$8,268,424.00
Guaranteed Savings:	N/A

Autozone is a national retailer and distributor of automobile replacement parts, with 5,000 locations in North America. The focus of the project was to ensure site safety while maximizing energy and maintenance savings. Their current maintenance program consisted of a group re-lamp every four years with no warranty. The scope of work developed an extended warranty that covers both material and labor for a ten year period. We assisted the end-user with an intensive internal study on the total cost of ownership and concluded that a combination of replacements and retrofits were desirable. Autozone wanted to maintain sufficient light levels to promote customer safety and security while reducing energy, labor, and disposal costs. After evaluating several technologies the client chose induction technology based on the overall value provided, i.e. lower initial cost, high light levels, longer system life, reduced energy costs.

Sample locations were designed and installed which allowed M&V to be performed in a controlled environment. This included detailed analysis, photo metrics, pre-post light level readings and pre-post wattage analysis. The data generated an investment grade cost savings analysis that allowed the client to generate internal funding. This data was generated for all possible fixture types and locations; allowing standardization of all locations during the installation. Individual location EMS systems provide consistent burn time data for all locations.

Cumberland Distributors provided all of the material, and worked with Stones River Electric to perform the turnkey design and installation for 800 locations in 2013 for phase one; then an additional 900 locations in 2014 for phase two. This scope also included the administration of utility rebates for all locations and the management of the extended warranty.

With 1700 locations safely installed, totaling over 28,000 fixtures; the project was a success. It is planned that this initiative will continue on for future phases.

