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### SOLUTION DELIVERED



#### PROJECT OVERVIEW

Problems Encountered: The Village of Lake Zurich, IL. Recently purchased an old U.S. Postal Office building and is converting the facility into a new Community Center for the local residents. The center will become a popular and busy activity center for youths as well as for Senior Citizens. The Village Administrators approved a complete remodeling of the facility and were determined to improve the outdoor lighting in the parking area, entryways and around the perimeter of the building.

Existing lighting fixtures were 250W high pressure sodium for the parking lot, entry way and wall packs. LED Industries proposed using the G2-4 retrofit kits for the parking lot; G2-3 kits for the wall packs; and G2-1 kits for the recessed can lights.

Previous Fixtures	LED Retrofit Kits	Improvement
16 – 250W High Pressure Sodium Area Pole Fixtures – 320W ea.	G2-4 LED Retrofit Kits – 72W ea.	More Light – 248W Energy Savings 77% Reduction
8 Recessed Can Soffit Fixtures – 76W ea.	8 – G2-1 LED Retrofits – 19W ea.	57W savings per fixture - 76% reduction
Annual Energy Costs – \$2,197	Estimated Annual Energy Bill – \$464	Estimated Annual Energy Savings – \$1,733 (79%)



Mr. T.J. Meyer, Vice President of Service Plus, Inc., the electrical contractor and installer of the LED kits reported that.....”The new LED retrofit kits are a huge improvement over the existing high pressure sodium lights that were used before at the Post Office. The parking lot had dark spots in the center but these are now completely gone since the new LED kits throw a much wider light angle and cover more area. The building walls were also completely dark and are now totally illuminated. The lighting at the entryway is much brighter and whiter which should enhance overall safety and security. Light coming out of the recessed overhead can lights is more than what we had before. In fact, we estimate the light output has been more than doubled all while having reduced electrical consumption by 77%.”