



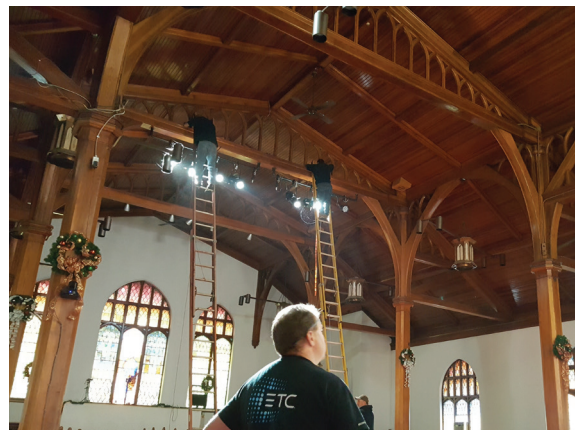
# NEW LIFE CATHEDRAL LIGHTING CASE STUDY

New Life Cathedral is a center of faith, healing, help and hope in East Cleveland. Over the last couple of years, New Life has pushed forward to better understand their energy usage and capitalize upon ways to maximize savings each time they consider renovating or upgrading. With a historical building, preservation is of utmost importance.

They engaged the Greater Cleveland Partnership (GCP)/Council of Smaller Enterprises (COSE) to conduct an energy assessment (nearly a \$4,000 value) and establish a baseline. Originally constructed around 1901, the building comprises approximately 35,000 square feet. The facility is a multi-use facility that primarily incorporates religious and office/daycare spaces.

Much of the lighting at New Life was comprised of fluorescent lighting, with many failing ballasts. The management team immediately saw the benefits of upgrading to LED lighting, as illustrated below.

GCP/COSE helped New Life secure **\$4,700** in cash rebates for the project and leveraged an interest rate buy down through the GCP/COSE Key4Green program at KeyBank.



New lighting will save **47,287 kWh** annually



**3.47** years payback



**\$283,690** Life cycle electricity savings



**\$49,994** Life cycle maintenance savings



**\$8,263** Interest rate buydown

GCP/COSE coordinated the upgrade with GCP/COSE Energy Contractor, Complete LED.

Total value New Life leveraged by working with GCP/COSE = **\$16,936**



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