Trinity Cathedral Episcopal Church
2230 Euclid Avenue
Cleveland, Ohio

Building Owner: Trinity Cathedral Episcopal Church
Square footage: 50,000
Building Use Type: Worship
Project Name: Cathedral Lighting Retrofit
Built in: 1907
Project partners: Halper Lighting Solutions and APT Electric
Owners Representative: Corinne Wallner

Project Start Date: 07/01/18
Completion Date: 08/30/18

Rational for Project:
Trinity Cathedral is the oldest congregation in Cleveland since 1816. Trinity Cathedral, consecrated in 1907, is a church for all comers, center for arts and music, a gathering place devoted to Cleveland’s environment and future. In 2002, the restoration and modernization of Trinity Cathedral’s campus, created Trinity Commons, an environmentally friendly spiritual and cultural center. The installation of a geothermal system for Trinity Commons is a testament to their commitment to reduce their environmental footprint. A member of Cleveland 2030 District since 2016, Trinity’s review of their electricity use and cost analysis led to the decision to upgrade the Cathedral lighting to all LED fixtures.

Project Achievements:
56% reduction in electric use
Increased brightness and light intensity
Reduced costs through less maintenance and lamp longevity
Safety: Longer lamp life means changing lamps, in the high cathedral ceiling, is more infrequent.

Project Highlights:
Trinity Cathedral worked with Halper Lighting Solutions and APT Electric to rewire and relamp 56 interior incandescent lamps and 6 exterior lamps with LED in the Cathedral and Cathedral Hall. The scope of the project included the sanctuary, the Chapel, side aisles, reredos, exit lighting and Cathedral Hall.

During this project the chandeliers were returned to their original lighting colors of cobalt blue, amber, white and rose to maintain their historic significance. This project brought the entire Trinity Cathedral campus to 80% LED lighting fixtures.