

LED Lighting + Controls Retrofit Outpatient Dialysis Centers

Case Study



LEADING THE FUTURE OF
LIGHTING + TECHNOLOGY

Outpatient Dialysis Centers Case Study

A provider of outpatient dialysis centers with more than 2,800 clinics nationwide was barely into its second year of a portfolio-wide LED lighting and controls retrofit program when COVID-19 brought it to a screeching halt.

The Project

The overall scope of the project had its challenges, including hours of operation that differed by location and varying building designs. But COVID-19 brought new complications, including an unexpected 2.5-month delay, risk of being defunded for the year and evolving COVID-19 protocols.

Even before the onset of the pandemic, patient care and comfort were the top priorities for the project. Once the pandemic was declared, the commitment to these priorities only intensified. The dialysis centers created cohort locations for treating COVID-19 positive patients while other clinics focused on keeping patients and workers safe.

The Solution

EMC auditors and installers followed strict safety protocols including wearing COVID-19 specific PPE and driving to locations rather than using air travel. In addition, EMC adjusted installation schedules so no work was done on treatment floors while patients were present. The dialysis centers' internal energy and sustainability team provided excellent collaboration and unwavering commitment to getting the project caught up and even ahead of schedule. The EMC team went from completing five clinics a week to 25, applying all that was learned along the way to make work more efficient and effective.

The Results

In addition to meeting sustainability goals and maximizing operational cost savings, the new LED lighting enhances patient comfort during a typical three-to four-hour visit. Completed locations saw an average annual dollar savings of \$2,500 and energy savings of 22,900 kWh, the same as saving 1,594 gallons of gasoline at the pump.

Investment Summary

Total kWh savings

10,804,877

Total energy savings

\$1,188,387

Average annual kWh savings

22,892

Average annual energy savings

\$2,518



Before



After



Before



After

Environmental Impacts



35,778

pounds of CO₂



1,594

gallons of gasoline



17,937

pounds of coal

Realize the Full Value

Health Care Settings

EMC recognizes that health care settings include busy patient rooms, lab areas that require extremely high levels of visual acuity, reception areas, hallways and parking that convey clear direction, safety and a sense of calm. All require Lighting + Technology solutions that are both aesthetically pleasing and energy efficient.

- Energy efficient lighting and controls for facility interiors/exteriors reduce energy costs while maintaining and enhancing the health care environment.
- EMC offers a vendor-neutral approach to select the best fit and performance for lighting and technology solutions specific to health care settings.
- Exceptional service and maintenance programs provide support even after the project is completed.
- Expert at managing the time consuming and complicated process for incentives and rebates, EMC ensures all installation activities meet requirements and deadlines to speed up the project ROI.

EMC Offerings



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