LIGHTING UPGRADE

Capital Investment Opportunity

SION60
END EMISSIONS IN 60 MONTHS

OVERVIEW

Light emitting diode (LED) light fixtures require significantly less energy than traditional fluorescent or metal halide technology while producing the same light output. By replacing older lighting technologies with LEDs, considerable energy savings can be realized, along with an increase in equipment lifespan. LED technology offers a wide array of lighting color temperatures, functionalities, control options, and fixture designs.

CONSIDERATIONS

- More cost effective for buildings with high run hours and long occupancy durations.
- Reduces the interactive cooling load during the summer as LEDs give off less heat during operation.
- Options consist of lamp replacement or full fixture replacement.
- Utility rebates often available to offset the large capital cost.
- Small energy penalty during the heating season as LEDs emit less heat compared to older lighting technologies.
- Reduce peak facility demand and associated charges (depending on utility and region), in addition to energy savings.

KEY PERFORMANCE INDICATORS (KPIs)

- **1-5 point energy use intensity (EUI) reduction potential**
- **5-15% sitewide electric savings**
- **3-8 year simple payback**