

# PROJECT CASE STUDY

## City Of Louisville Kentucky

### ENVOCORE SOLUTIONS

- The project included the replacement, conversion, or retrofit of over 10,000 fixtures
- Over 2300 fixtures, both interior, and exterior were upgraded with LED products
- Incandescent fixtures were retrofitted screw-in LED lamps
- All exit signs were replaced with LED signs
- Exterior lights were upgraded to LED.
- Indoor recreation facilities with existing 400w metal halide fixtures and 400w high-pressure sodium fixtures were replaced with new T5HO fixtures.

### BY THE NUMBERS

- The kW and kWh were reduced by 22% and 25% respectively.
- The four departments expect to realize over \$180,000 in annual savings.
- The upgraded lighting systems will see an increase in lamp life ranging from 20,000 to 30,000 hours for linear fluorescents; 20,000 to 50,000 hours for HID to LED; and 2,000 to 25,000 hours for incandescents to LED.

### PROJECT BACKGROUND

To achieve its sustainability goals, city planners knew they would need to make critical upgrades to inefficient, high-maintenance building equipment that was – in many cases – decades past its life expectancy. Yet, Louisville Metro had limited available capital to make the improvements.

### ABOUT CITY OF LOUISVILLE

Founded in 1778, the City of Louisville is located beside the Falls of the Ohio River and was first used a portage site. Today, its main airport is the site of UPS's worldwide air hub. The city is also the home to the Kentucky Derby, Kentucky Fried Chicken and the University of Louisville, founded in 1780.

<https://louisvilleky.gov/>