

Case Study

Sports Lighting Modernization for Parks & Recreation Facilities

PSG Energy Services partnered with Troup County in Georgia to modernize sports lighting for its Parks & Recreation facilities, replacing outdated HID lighting with an **advanced LED sports lighting system**.

The project was designed to improve field visibility, reduce energy use, lower maintenance needs, and create a more **dynamic fan experience** through wireless controls and full-spectrum color illumination.



Sports lighting retrofit



LED sports light installation



RGBW lighting integration



Wireless controls



Emergency backup lighting



System aiming and commissioning

Nearly 60% Energy Savings

Energy use reduced from 118 kW to 48.7 kW through the upgraded sports lighting system.

Under One Week

New lighting system delivered, installed, aimed, and commissioned in under one week.

48.7 kW

Reduced system load achieved after replacing the original HID lighting system.

RGB Color Illumination

Advanced color lighting added for towers, stands, seating areas, and dynamic scenes.

Why PSG

PSG brought the sports lighting expertise, technical coordination, and rapid execution needed to deliver a high-performance lighting upgrade tailored to Troup County's community facilities.

- Experience delivering advanced sports lighting systems
- Coordination with CHM Lighting on LED and RGB lighting technology
- Rapid installation, aiming, and commissioning timeline
- Energy-efficient solution designed to reduce long-term operating costs
- Wireless controls and dynamic lighting effects to enhance the fan experience