

YMCA Beckley Soccer Complex

Beckley, West Virginia



OVERVIEW

Completed in 2003 as West Virginia's first soccer-specific facility, the Paul Cline Memorial Sports Complex hosts the WV State High School Soccer Tournament, club state championships, and the YMCA's Appalachian Champions Cup, which draws more than 80 teams from six states. After two decades of service, the complex's 432 metal halide sports fixtures and 88 security lights were failing, obsolete, and costly to maintain. The YMCA of Southern West Virginia engaged Helios Energy to deliver a turnkey LED solution that would cut energy use, eliminate maintenance, and improve safety and playability.

CHALLENGE

The project covered eight fields and 520 fixtures, including 22 hard-to-reach, 70-foot poles. The installation had to happen during a tight window while the complex stayed open, and the crew had to work around unpredictable weather. Heavy-duty matting kept the playing surfaces protected from heavy equipment throughout the job.

NEED 1: Increase lighting levels across the two competition turf fields to meet high school and NCAA illumination standards

NEED 2: Reduce energy consumption by 30%+

NEED 3: Minimize annual lighting maintenance

NEED 4: Automate lighting control and scheduling across the complex

NEED 5: Restore complex security lighting

NEED 6: Improve player safety and performance by increasing light levels on the playing surface

FULL SCOPE OF PROJECT

- Remove and replace (432) 1500W metal halide fixtures with Sportsbeams 1000W Nova LED lights
- Remove and replace (88) 1000W security lights across the complex
- Installed a complex-wide wireless lighting control network
- Replaced failed lighting contactors and transformers
- Repair damaged underground electrical circuits

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The Helios Energy™ Impact

Helios Energy delivered a turnkey LED transformation that took the YMCA's Paul Cline Memorial Sports Complex from aging and unreliable to competition-ready. Lighting levels on the two competition turf fields increased by more than 300%, and the six grass fields gained more than 250%, giving athletes, officials, and livestream audiences crisp, daylight-quality light with no dark spots.

Lighting in parking lots and along walking trails increased by more than 100%, making the complex safer for every family and visitor. The YMCA also reduced lighting energy consumption by 33% and substantially reduced annual maintenance costs. All 520 sports and security lights are now wirelessly controlled over the complex's Wi-Fi network, enabling scheduling and remote access from anywhere. Most importantly, the entire project was installed on time and on budget.



Testimonials

"Anybody that is looking to upgrade their facilities, whether it's a small sports complex for youth or the NFL, MLS, or English Premier League – it is absolutely well worth it. Highly recommend it."

"Being able to see the ball at all points in time during the game – absolutely amazing. It allows the athletes to perform at an optimum level."

"The install crew, everybody from top to bottom – it was all pro. They got in, got out... it was neat to see how clean the install was. They treat you like family."



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888.537.5359
www.heliosenergyus.com
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