



Project Highlight

Paul Brown Stadium Hamilton County, OH

AMERESCO 

Stadium Upgrades Enhance Fan Experience and Create Energy Savings for the County

Technology Type:

Energy Efficiency | Budget-Neutral Infrastructure Upgrades | LED Field Lighting | Central Plant Upgrades | Demand Side Management | Energy Savings Performance Contract

Facility Size

65,515 seating capacity

Energy Project Size

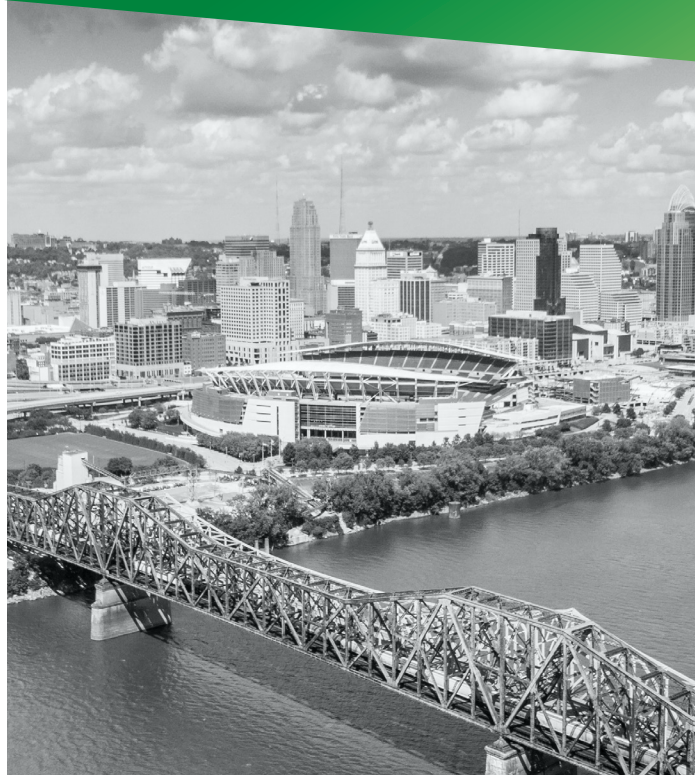
\$17.9 million

LED Fixtures Installed

22,306

Annual Energy & Operational Savings

\$1.4+ million



Summary

Ameresco installed multiple system upgrades and a state-of-the-art lighting control and monitoring system to alleviate temperature control problems and enhance lighting in Paul Brown Stadium in Hamilton County, OH, home of the Cincinnati Bengals. The infrastructure upgrades improved the overall experience for fans and athletes while providing a more comfortable environment for utilization of the stadium for non-game events.



Solution

Through an Energy Savings Performance Contract (ESPC), Ameresco installed energy efficient equipment and multiple HVAC control system upgrades to the East and West club areas. The upgrades included replacing over 20,000 existing light fixtures and the installation of LED tech sports field lights and a new, state-of-the-art DMX lighting control and monitoring system to improve lighting conditions while reducing energy costs.

- Lighting upgrades
- Water conservation
- HVAC controls upgrade
- Boiler upgrades
- Building envelope
- Locker Room recovery ventilator



We have been working with Ameresco since the start of 2014 and are continuously looking to find ways to incorporate more sustainable solutions into the County’s infrastructure. With the addition of these new measures, we can rest assured that we’re implementing changes that enable higher quality lighting, while also creating additional energy savings for the stadium and taxpayers of Hamilton County.



Joe Feldkamp
*Director, Stadia and Parking Company,
Hamilton County*



Benefits

This budget-neutral project provided significant cost savings from energy efficient upgrades to help improve stadium and field conditions. The newly installed LED field lighting system will provide the stadium with high quality, consistent lighting levels, while the heating system measures will help maintain temperature control in the club areas.

- Tax-payer savings of over \$890K annually
- Improved field visibility for the athletes and fans
- Improved sustainability for the stadium
- Increased utilization of the space for non-game events

Ameresco’s team of energy experts can assist you in identifying the solution that fits your needs.

For more information about Ameresco and our full-range of energy efficiency and renewable energy solutions, please call **1-866-AMERESCO** or visit **ameresco.com**.

