

PERFORMANCE AND ECONOMY IN CONCERT



Honeywell helps Mountain Health Arena enhance lighting quality while reducing energy use and costs.

Case Study

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“The new lighting in our Arena will benefit the overall fan experience, and help us bring in more sporting events – possibly even live performers that we wouldn’t have been able to host before. It’s definitely having a positive impact on the everyday work life for Arena employees.”

Honeywell

The City of Huntington's Mountain Health Arena is the largest in the Tri-State area of West Virginia, Ohio and Kentucky. Hosting concerts, tradeshow and athletic events, it brings the city approximately \$17.5 million each year. But to keep the big shows coming, the Arena needed major lighting updates – and it was just one of 14 buildings the city needed to upgrade.

THE NEEDS

Arena lighting systems hadn't been substantially upgraded since opening in 1977.

There had been significant lamp depreciation – about 40% – in that time.

Events were not suitably lit, potentially impacting visitor enjoyment and safety.

The city also needed lighting and energy upgrades at 13 other municipal buildings.



THE SOLUTION

Honeywell and the City of Huntington began working together in 2011, when they entered into a 15-year energy savings performance contract (ESPC). Since then, the first two phases of the contract have delivered substantial cost savings and energy efficiencies to the city.

The third phase continues this successful long-term relationship. Honeywell has provided an extensive lighting-system upgrade at the Arena, including LED lights along with occupancy sensors for automated lighting control. In addition, Honeywell upgraded lighting systems at 13 municipal buildings throughout the city, including City Hall and the police and fire departments. The work at City Hall involved HVAC and control system improvements as well.

The project has helped the city significantly improve quality of lighting in its most critical facilities, while enhancing overall energy efficiency and cost savings.

City of Huntington Mayor Steve Williams said, "We're encouraged that work under the third phase of the project will again be supported by expected energy and operational savings. This limits taxpayer costs and the need for upfront capital investment."

THE BENEFITS

- Third-phase improvements expected to generate about \$112,000 in annual energy and operational savings.
- Overall, the multi-phase project is expected to save the city about \$4.8 million in total energy and operating costs.
- Upgraded Arena lighting system provides a more comfortable and welcoming experience for visitors and workers alike, while helping the facility attract a wider variety of events – such as concerts with special lighting effects or televised events.
- New easy-to-use lighting control system in Arena enables workers to quickly make adjustments to lighting conditions, including instant on/off and dimming capabilities, while operating more efficiently than the former system.
- Updated LED bulbs deliver longer lamp life and require fewer replacements, helping to reduce maintenance frequency.
- Successful multi-year relationship with Honeywell has enabled the city to make lighting improvements that generate sufficient energy cost savings to pay for the project over the life of the contract, with no additional taxpayer money or upfront funding required.

For more information

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