

Wright State University

Building and Energy Solutions

Wright State University is a public research university in Dayton, Ohio. The university currently enrolls nearly 18,000 students. The 557-acre campus includes 25 academic buildings, 26 student residential buildings, and a world-class entertainment and athletics venue – the Wright State University Nutter Center.

Over the past several years, ABM has partnered with Wright State University in meeting their energy and operational performance goals.

ABM was able to provide the university with a quality capital improvement program that lowered their operating costs and increased their energy efficiency, while ensuring continued and improved peak efficiency through ABM's proven preventive maintenance and training/support programs.



CHALLENGE

Wright State University needed a comprehensive, performance-based, energy services and energy related capital improvement program, financed through a performance-based contract, with guaranteed savings at no initial cost.

SOLUTION

- Campus-wide lighting retrofits
- Eliminating 30 pieces of equipment into one consolidated boiler and chiller systems
- Retro-commissioning mechanical equipment and air handlers
- Campus-wide web-based control system
- New chilled water plant
- Installing geothermal cooling system

BENEFIT

- 40% reduced energy consumption
- Improved indoor environmental quality including comfort conditions and lighting levels
- Free cooling for the Nutter Center all winter or until outside air temperatures reach about 80°
- Energy and operating savings of \$35.8 million over 15 years
- Extended the lifetime of the equipment and improved equipment efficiency

“This is our second energy project with ABM and it will enable the university to continue to concentrate on current and future maintenance needs, while taking another huge step forward in our energy stewardship,” said Mark M. Polatajko, Vice President of Business and Fiscal Affairs at Wright State University. “This is a game-changer for us in terms of sustainability.”

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