

Biotechnology Center

Building and Energy Solutions

This Biotechnology Center is a mixed use facility that operates as both a conference facility as well as a business incubator for the biotechnology industry.

While building an addition, this client decided to modernize the existing facility, which was originally built in 1991, to maximize energy savings and embrace sustainability. ABM was able to financially justify adding a 32kW photovoltaic solar array which was not included in the original grant funding.

CHALLENGE

The Center needed to optimize energy savings through capital improvements. The improvements needed to be funded by the ARRA grant to meet specific obligations.

SOLUTION

- State of the art Tridium DDC control system
- 32 kW photovoltaic solar array to supplement building electric demand
- New high-efficiency HVAC retrofits
- High-performance lighting system upgrades performed by ABM Electrical Solutions

BENEFIT

- 200,000 kWh energy savings per year
- Solar array to generate 41,000 kWh per year
- Improved controls with more efficient scheduling for events
- Improved indoor environmental quality including comfort conditions and lighting levels



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