



ENVIRONMENTAL SUSTAINABILITY INITIATIVE IMPACT

LIGHTING THE FUTURE

In July of 2016, BK began efforts to reduce electric costs and consumption on campus. Among the changes made:



LIGHT BULBS

Energy-efficient LED technology is applied in the repair and replacement of our lighting systems at BK. Beginning in 2016 with the fixtures that consumed the most energy, we are 42% into a full LED conversion and are seeing significant ROI.

- Highly energy-efficient LED technology uses at least 75% less energy and lasts 25 times longer than incandescent lighting
- LED light sources emit very little heat compared to CFLs and incandescent bulbs
- LED lights provide a brighter classroom environment for students and teachers



BREATHE DEEP

HVAC

HVAC Systems are being installed with programmable smart thermostats that allow temperatures to be controlled automatically, keeping classrooms at comfortable temperature while in use and conserving energy when empty.

- To improve air quality, new systems are being installed with fresh air intakes that pull in outside air through the mechanical system.



ELECTRIC COSTS

Annual electric costs from 2014 to 2020 have had a 21.4% reduction.

Annual total kWh usage from 2017 to 2020 has had an 11.9% reduction.

HYDRATE BK



As of 2021, 27 hydration stations have been installed on campus. These stations provide convenient access to filtered, refrigerated water for filling reusable water bottles. In addition to promoting good hydration habits, every eight ounces of water dispensed offset one plastic water bottle. In the six years since the program began, the BK community has reduced plastic water bottle consumption by an estimated 533,000 bottles! Keep hydrating, BK!

THROW IT OUR WAY

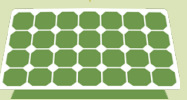
From 2018 to 2021, waste costs are down 31%. Since recycling costs are less than the costs of removing general waste, there is a average savings of \$700 per month.



A BRIGHT ALTERNATIVE



Our goal is to continue to reduce our carbon footprint through the increased use of solar technology. A 2020 solar feasibility study determined a commercial solar photovoltaic system can be strategically incorporated into future renovations and construction while having a positive impact on our triple bottom line. Benefits of this initiative will include:



- Projected net savings over a 30-year product life cycle: \$113,000.
- Increased energy independence.
- Real-time monitoring and interactive system viewable by students, employees, alumni, and our greater BK community.

