

Case Study: Rikers Island Laundry Facility Upgrade

DCAS Energy Management and the Department of Corrections completed in 2012 a major energy efficiency upgrade to the laundry facility at Rikers Island, New York City's primary correctional facility. The laundry facility processes about 70,000 pounds of laundry per week for the correctional facility as well as for the Departments of Parks & Recreation and Homeless Services. The retrofit project replaced outdated laundry equipment that dated back to the early 1960s with state-of-the-art, high efficiency washers, dryers, and ironers.

Specifically, the project involved the installation of an automated tunnel washer and dryer system capable of washing 1500 pounds per day, high volume air handling unit controls, upgraded lighting, and the replacement of three industrial-sized irons, a lint collection system, exhaust fans, and steam and condensate piping insulation.



Before



After

While the facility was under construction to implement these upgrades, the laundry facility remained fully-functioning. Now that the equipment is installed and the machines are up and running, the City estimates that the project will reduce annual energy costs by \$750,000 and greenhouse gas (GHG) emissions by 940 metric tons annually. This project was funded in part by Energy Efficiency Conservation Block Grant (EECBG) funding through the federal American Recovery & Reinvestment Act (ARRA).

Energy