



Kings Pharmacy

Brooklyn, New York – Kings County

Background

For more than 65 years, Kings Pharmacy has been dedicated to customer satisfaction, priding itself on its trustworthy, friendly, and knowledgeable staff. Building upon its commitment to customer service, Kings Pharmacy teamed up with Richair Mechanical of Kew Gardens, New York, and NYSERDA to improve the Pharmacy's comfort level, while also saving money in the process.

After being disappointed with the lack of fresh air and stale smell in their store in Brooklyn, the pharmacy owners decided to take action - and wound up saving money on electricity bills. The store managers contacted Richair Mechanical, a participant in the **New York Energy \$martSM** Unitary HVAC Program. After performing a thorough inspection of the existing HVAC system, Boris Ermant, president of Richair Mechanical, decided that a system tune-up was the answer. Ermant learned about system tune-ups at a training workshop sponsored by the Unitary HVAC Program. He found that the two unitary systems had poor fresh-air intake and dirty evaporator coils, which made the cooling process inefficient.

"We've definitely noticed an improvement with the air quality in the store."

– Ronald DelGaudio,
Kings Pharmacy

Recommendations and Results

To improve comfort and indoor air quality, as well as lower the utility bills, Richair installed two new economizers on the existing units, cleaned the evaporator coils, and replaced the system's filters and belts. In addition, Richair installed two programmable thermostats in the store to increase the energy savings.

The resulting cost analysis is as follows:

- total cost of the system tune-up was approximately \$3,100
- estimated annual energy savings of \$2,268
- approximate annual energy saved is 20,231 kWh
- the project will pay for itself in less than 18 months



New York Energy \$martSM

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New York Energy \$martSM programs are designed to lower electricity costs by encouraging energy efficiency as the State's electric utilities move to competition. The programs are available to electric distribution customers (residential, commercial, institutional, and industrial) who pay into the SBC.



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