

# Case Study: Exhaust Fans Retrofit

Customer  
**LeFrak City**

Contractor  
**DVM Industries**

Location  
**Queens, NY**

## Overview

When property managers at LeFrak City, a 20-building development with 4,605 apartments in Queens, NY, wanted to lower energy costs and update their exhaust fans, they turned to Con Edison's Energy Efficiency Program.

Incentives from Con Edison helped **lower the cost of the project by \$510,000** and allowed them to retrofit 400 rooftop exhaust fans with upgraded electronically commutated motors across all 20 buildings. This was critical in decreasing the payback and increasing the return on investment to offset additional budget costs.

DVM Industries upgraded roof exhaust fans with new motors to remove heat, odors, and contaminants, improve air quality, and make tenants more comfortable. Since roof exhaust fans run continuously, upgrading them with electronically commutated motors reduced energy use and costs.

After the upgrades were installed, TBL Building Sciences performed an energy savings test on one unit. The test showed a remarkable **68% reduction of input amperage**, dropping from a previous average of 3.57 amps down to 1.14 amps.

## Highlights

Total motors: <b>400</b>	Buildings: <b>20</b>	Total Annual kWh Savings: <b>850,000 kWh</b>	Annual Energy Savings: <b>\$153,000</b>
HVAC-Specific Incentives: <b>\$0.60 per kWh*</b>		Total Incentive Savings: <b>\$510,000</b>	Net Project Cost: <b>\$300,000</b>

*\*Affordable Housing incentive of \$0.75 per kWh also available*

## Testimonials

**“This project was a major undertaking with significant benefits to our community and our bottom line. We’re extremely grateful to have Con Edison’s partnership and incentives to help guide the project to the finish line.”**

—James Justice, Vice President, DVM Industries

**“We’re happy we partnered with Con Edison to upgrade 400 ventilation systems with smart technology to boost indoor air quality and energy efficiency. This will benefit close to 4,600 apartments and help us continue creating sustainable and healthy communities.”**

—Mario Gaztambide, Senior Managing Director, LeFrak City

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## Ways You Can Save:

This electronically commutated motor rooftop fan retrofit is just one example of Con Edison's energy efficiency incentives that make it possible for multifamily buildings to make critical, money-saving improvements. Using Con Edison's easy online guide, owners and property managers can identify areas in their buildings where it may be possible to make upgrades.

## Incentives Available For:

- Heating & Cooling
- Air-Source Heat Pumps
- Air Sealing Measures
- Energy Management Systems
- Storage Tank Water Heaters
- High-Efficiency Hot Water Boilers
- Heating Distribution
- Lighting Controls
- LED Lighting
- Faucet Aerators
- Showerheads
- Pipe Insulation
- Master Air Vents

## Contact Us

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