

# CASE STUDY

Donnelly Energy is dedicated to helping businesses throughout New Jersey take advantage of incentives offered by New Jersey's Clean Energy Program™ in the lighting and HVACR categories.

We help companies reduce their costs, reduce their carbon footprint, and increase their profits.



## COMPANY NAME

Roxbury Township Board of Education

## TYPE OF BUSINESS

Schools

## ADDRESS

42 N Hillside Ave, Succasunna, NJ 07876

## PROGRAM

Direct Install from *New Jersey's Clean Energy Program™*, FY2017 Program Year

## ENERGY EFFICIENCY SOLUTIONS

Donnelly Energy qualified the Roxbury elementary schools and administrative building for the Direct Install program, allowing them to receive **up to 70% off** of the total project. Upgrades included LED lighting, brand new HVAC equipment, and water saving measures.

## OVERVIEW

Donnelly Energy surveyed the schools within the district that were eligible for Direct Install (average 200kw monthly usage) to determine the most effective set of energy efficiency upgrades in the following categories:

- Lighting Retrofits
- Installation of Energy-Saving Motion Sensors
- Implementation of High Efficiency Heating and Cooling Upgrades
- Integration of Cost-Effective HVAC Controls

<b>OVERALL PROJECT COST</b>			
\$307,825.86			
<b>DIRECT INSTALL INCENTIVE</b>			
\$215,478.10			
<b>OVERALL CUSTOMER COST</b>			
\$92,347.76			
<b>ANNUAL SAVINGS</b>	<b>MONTHLY PAYMENT TO NJNG</b>	<b>MONTHLY SAVINGS</b>	<b>CASH FLOW</b>
\$38,197.71	\$2,585.22	\$3,183.14	\$597.92



**RETURN ON INVESTMENT**  
Roxbury BOE's projects paid for itself in less than 2½ Years!

## THE SAVEGREEN PROJECT

As a New Jersey Natural Gas customer, the Board of Education was able to finance their customer portion at 0% APR for up to 3 years.



# DIRECT INSTALL FROM NEW JERSEY'S CLEAN ENERGY PROGRAM™

## ROXBURY TOWNSHIP B.O.E PROJECT BREAKDOWN

FACILITY NAME	PROJECT COST	NJCEP INCENTIVE	CUSTOMER COST	ENERGY SAVINGS	PAYBACK PERIOD
Jefferson Elementary School	\$56,485.53	\$ 39,539.87	\$16,945.66	\$39,539.87	2.5 years
BOE Administration Building	\$2,835.36	\$ 1,984.75	\$ 850.61	\$ 1,984.75	0.9 years
Kennedy School	\$ 43,002.23	\$ 30,101.56	\$ 12,900.67	\$ 30,101.56	2.9 years
Nixon Elementary School	\$145,382.77	\$ 101,767.94	\$ 43,614.83	\$ 101,767.94	2.49 years
Franklin School	\$60,119.97	\$ 42,083.98	\$ 18,035.99	\$ 42,083.98	2.1 years

