



# Holy Spirit High School Awarded Over \$250,000 in Incentives for Energy Efficiency

## PROJECT INFORMATION

### Organization:

Holy Spirit High School

### Location

- Absecon, New Jersey

### Project Contacts

- Susan Dennen, Principal of Holy Spirit High School
- David Rich of Rich Energy Solutions

### Technologies

- High-Efficiency Natural Gas Boilers

### Total Project Cost

- \$429,610

### Total Incentives

- \$155,000 from *New Jersey's Clean Energy Program*
- \$100,000 from South Jersey Gas

## PROJECT SAVINGS

### Estimated Annual Savings

- \$80,085 in Utility Costs



At nearly 50 years old, the heating and hot water systems at Holy Spirit High School were long overdue for an energy efficient upgrade

*“We would not have been able to complete this necessary upgrade to our heating and hot water systems without the financial incentives we received from *New Jersey's Clean Energy Program* and South Jersey Gas.”*

Susan Dennen  
Principal, Holy Spirit High School

## Background

Holy Spirit High School was underserved by its nearly 50-year-old oil heated boiler. To deliver heat and hot water throughout the 80,000 square-foot facility, this outdated system had to heat 5,000 gallons of water daily year-round. Unfortunately, this massive energy consumption failed to deliver a comfortable and consistent temperature to the building's 660 occupants. One side of the school would get excessively warm—even on the coldest days—whereas the other side would remain uncomfortably chilly on these same days. And, with the fluctuating cost of oil, the school administration was additionally looking for a more economical heat and hot water source.

## Challenge

Holy Spirit officials knew an equipment upgrade was essential, but a very tight school budget left little funding for capital improvements. David Rich of Rich Energy Solutions, who served as the project contractor (and happens to be an alumnus of the school), told the administration about the generous financial incentives for energy efficient upgrades available through *New Jersey's Clean Energy Program™* and South Jersey Gas. David Rich was able to communicate with decision makers in the Diocesan Office, assuring them the systems upgrade would be a cost-effective and cost-saving improvement.



## Success Stories



By design, high-efficiency modern natural gas boilers use 20%- 30% less energy than high mass oil burners.



By upgrading the facility's equipment, Holy Spirit High School realized significant savings on energy use, service and fuel costs.

### Solution

Rich Energy Solutions installed high-efficiency gas boilers and controls at Holy Spirit High School to more effectively deliver heat and hot water throughout the facility. The total project costs amounted to \$429,610, but incentives from *New Jersey's Clean Energy Program* and South Jersey Gas covered more than \$255,000 of them.

### Benefits

Individual room thermostats now can be set to comfortable and maintainable temperatures to ensure maximum occupant comfort. It is also estimated that this new, energy efficiency upgrade will save the school approximately \$80,085 annually in utility costs. That equates to a project payback of just over two years.



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