

HVAC Systems: NJ Energy Program

Project Highlights

If saving money on your energy bill AND getting financial incentives to move to energy-efficient equipment sounds too good to be true, then these project highlights are for you. These customers utilized New Jersey's Clean Energy Small Business Direct Install Program to upgrade to high-efficiency energy solutions – thus saving money and reducing their carbon footprint.

ABOUT THE PROGRAM

New Jersey's Direct Install Program is provided through New Jersey's utility companies. The program allows organizations (non-residential customers) that have an average annual electric demand of 200 kW or less to receive incentives for upgrading to energy-efficient electric and gas equipment. These energy incentives help cover the cost of the new equipment and can often be financed through the utility company's on-bill repayment plan (up to 5 years).

CM3 is an approved Trade Ally under the Program. Our energy advisors guide you through energy-saving upgrade options and help your organization get the best possible rebate.

Some of our customers have obtained incentives up to 70% of the installed project cost. In addition to installing and servicing the equipment, we also coordinate all pre and post checks from your utility company, so the process is seamless and transparent to you.

Potential project upgrades



Lighting



Refrigeration



HVAC



And More!

HOW IT WORKS

Assess

Obtain a no-cost energy assessment from CM3. The proposal details total project cost, eligible incentives, and total balance that will be owed.

Install

Determine which energy savings measures to pursue. CM3 coordinates with the local utility company for pre-and-post inspections.

Save

Enjoy ongoing energy savings from the upgrades. Payments for those upgrades are paid directly or financed through your utility company's On Bill Repayment plan.

Trade Ally Approvals

- » Atlantic City Electric
- » Jersey Central Power & Light
- » New Jersey Natural Gas
- » Public Service Electric & Gas
- » South Jersey Gas



**Salem County
Special Services School**

Project size \$675K
Energy Incentive \$510K

Two high-efficiency condensing boilers and three AAON units deliver an efficiency improvement of 12% over the original equipment.



**Mount Laurel
YMCA**

Project size \$252K
Energy Incentive \$176K

Delivered a turnkey installation project for an inoperable HVAC system, including demolition, electrical, sheet metal curb work, crane & rigging, and system start up.



**Paulsboro School District
(Loudenslager)**

Project size \$312K
Energy Incentive \$248K

Two gas-fired heating boilers deliver a 15% efficiency improvement over the original equipment. Additionally, the new boilers modulate at various temperatures which delivers an additional 20% savings over the original boilers.



Roselle Park School District

Project size \$1.98M
Energy Incentive \$1.3M

Replaced a steam boiler with two high-efficiency hot water boilers (Middle School). Upgraded two 1960's-era, gas-fired boilers to more efficient, smaller condensing type boilers (High School). The combination of the new boilers' efficiency plus its ability to modulate deliver a fuel consumption reduction of 35%.



Ocean City Baptist Church

Project size \$302K
Energy Incentive \$228K

A comprehensive replacement of the heating and cooling system, including two packaged rooftop units, split system AC, and two gas-fired boilers. Also includes programmable thermostats and demand control ventilation to deliver even more energy efficiency.



St. John Lutheran Church

Project size \$239K
Energy Incentive \$183K

Two high-efficiency condensing boilers and six ductless split systems replaced 30-year-old boilers and +24-year-old splits which utilized R-22 (a refrigerant which is no longer manufactured and is now costly to obtain.) The new system has enhanced controls, more efficient technology and better heat transfer capabilities.



Many of these projects were completed in collaboration with CMC Energy Services, an energy program management company, which has provided support for +100 energy efficiency programs across +20 utility clients and four statewide programs. Through their technical expertise, the company manages electric and gas energy efficiency programs, as well as water conservation and water quality programs.

*** Most of the above projects include both mechanical and lighting improvements.*

Project descriptions represent only the primary mechanical improvements implemented at the site. Other lighting and mechanical work was also conducted.



**Georgian Court
University**

Project size \$1.43M
Energy Incentive \$1M

Inefficient and aging boilers, packaged unit and split system in the library were replaced and upgraded to a high-efficiency system. Three rooftop, gas-fired AC package units in Farley Hall improve the efficiency of heating and cooling functions of the rooftop unit and include both temperature and humidity sensing which maximizes comfort and energy savings. And by reducing unnecessary system run time and compressor cycling, the useful life of the system is increased, and system breakdowns are reduced.



**Paulsboro School District
(Billingsport)**

Project size \$354K
Energy Incentive \$283K

Two gas-fired heating boilers provide a 15% efficiency improvement over the original equipment. And, the new variable speed pump with ECM motor adjusts to match the pump capacity needed at various heating loads. This helps to ensure the system is only using the energy needed to heat the building at any given time. Additionally, a magnetic water filter catches metal mill scale, or rust which helps maintain boiler efficiency.

