



SUCCESS STORY

Better buildings make better care possible.

Discover how modern energy upgrades are helping a New Jersey hospital improve comfort, reduce costs, and reinvest more into patient care.

St. Joseph's Health operates two hospitals in northern New Jersey, one in Paterson and one in Wayne, serving communities with diverse health care needs. As a mission-driven health system focused on equity, safety, and quality of care, St. Joseph's recognizes that dependable infrastructure directly supports patient comfort and safety.

To modernize aging systems and reduce operating costs, St. Joseph's partnered with PSE&G on a multiphased energy efficiency project that would improve the performance of its facilities and free up resources that can be redirected into patient services.

Opportunity

With some Paterson buildings dating back to the 1880s, St. Joseph's faced rising maintenance demands and increasing reliance on temporary fixes, such as rented cooling equipment.

"That's inefficient, costly, and inconvenient," said Scott Reilly, director of maintenance and engineering at St. Joseph's. "Our patients depend on us to provide a comfortable environment, and these improvements will put an end to stop-gap fixes, reduce peak energy demand, and create infrastructure the hospital can count on."

To move beyond short-term solutions, St. Joseph's needed a comprehensive modernization approach that could address aging systems while staying within tight budget constraints.

Solutions

PSE&G partnered with St. Joseph's through the **Engineered Solutions Program** to audit, design, and prepare a multiyear modernization effort. The first phase, representing an \$8.6M investment, is supported in part by PSE&G direct incentives, which will cover nearly 48% of the total project cost, with the remaining balance to be paid through interest-free, on-bill repayment over a five-year period. This allows St. Joseph's to begin implementing critical upgrades, achieve energy savings, and effectively manage cash flow.

Across the Paterson and Wayne campuses, the initial construction scope includes high-impact system upgrades such as lighting, chillers, pumps, steam traps, and insulation.



"Every dollar we're not spending on energy is a dollar we can put back into patient care."

Scott Reilly

Director of Maintenance and Engineering
St. Joseph's Health

Air handling units, heat recovery, and additional upgrades are planned for later phases. These improvements will help increase reliability, reduce maintenance needs, and create healthier indoor environments.

“We’re proud to provide solutions that let hospitals focus on care, not infrastructure, while reducing energy use, improving reliability, and helping St. Joseph’s deliver a safer, more comfortable experience for patients and staff,” said Rachael Fredericks, director of Energy Services at PSE&G.

Benefit

The upgrades are expected to deliver significant long-term energy savings while lowering costs and reducing emissions. Reliability gains will help decrease maintenance needs and minimize disruptions, directly supporting patient comfort and staff productivity.

“With this investment, we’ll be able to replace outdated clinical tools that could be vulnerable to ransomware,” Reilly noted. “That will have a direct impact on patient safety.”

Perhaps more importantly, the financial savings can be reinvested where they matter most—into patient care, safety, and the expansion of outreach and wellness programs.

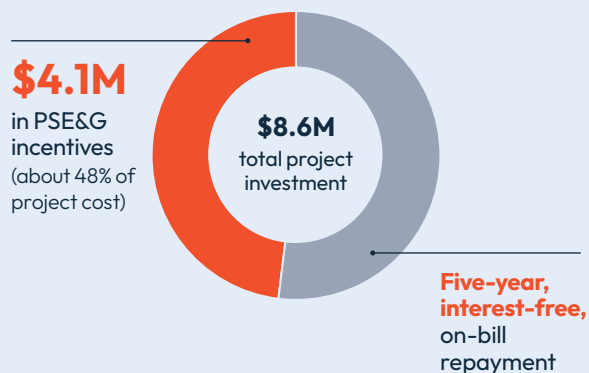


The pre-surgical area at St. Joseph's University Medical Center is designed to provide patients with a calm, comfortable, and well-organized care environment.



A state-of-the-art operating room at St. Joseph's University Medical Center is designed for safety, precision, and exceptional patient care.

Phase 1 Project Snapshot



Energy Impact

78,050
MWh of lifetime
energy savings

240,916
therms* of lifetime
natural gas savings

* One therm is equal to 100,000 British thermal units (Btu), which is the amount of heat needed to raise the temperature of one pound of water by one degree Fahrenheit.

Financial Impact

\$687,997
in estimated annual
energy cost savings

➔ To learn how your organization can benefit from our suite of energy efficiency programs, visit pseg.com/BuildingSolutions.

