

#### SIGNATURE HEALTHCARE BROCKTON HOSPITAL

# Charting a course for today and the future of healthcare

#### A generational opportunity

Through the Inflation Reduction Act (IRA), there's a unique opportunity for healthcare facilities to make infrastructure improvements without capital expenditure or unbudgeted costs. With many states offering incentives, hospitals now have an opportunity to monetize a 30% to 50% tax credit on sustainability projects.

Signature Healthcare, Brockton Hospital in Massachusetts offers a blueprint for moving healthcare facilities into the future and leveraging these tax credits for sustainability projects. In 2017 Signature Healthcare worked with Siemens to identify critical upgrades to their main heating and cooling system, including a combined heat and power system. This resulted in a \$9 million infrastructure improvement plan, which was paid for through a combination of guaranteed energy savings and by refinancing its existing bonds at a lower rate through a 10-year debt package totaling approximately \$40 million. Next, installing a Microgrid including 1.9 MW of solar panels, as well as a Battery Energy Storage System, will help offset peak energy demands. Siemens will also provide microgrid controllers, switchboards and other electrical gear for distributing energy.



### A holistic technological and financial solution

These improvements yielded others in operations, from creating a better workflow, greater energy efficiency, and strengthened resiliency - improving the quality of patient care and working environment for physicians and nursing staff. Financially, overall cost savings through energy efficiencies and offsets have made a positive impact to the bottom line. With these operational savings, a larger portion of the budget can now be shifted for cutting-edge healthcare technologies to invest in improving the guality of patient care.

### **Emissions Reductions**







**Performance Contract** 

All units are shown in metric tons (Mt) of  $CO_2$ .

Performance Contract

The energy savings will result in polluting **EMISSION REDUCTION of 38%, which is** the equivalent to:



passenger vehicles driven per year





25-year solar project



## **Sustainability goals** help long-term competitiveness

With an estimated 10% of greenhouse gas emissions coming from the healthcare industry, the sector will need to take a major step forward on its sustainability journey. The Department of Health and Human Services in conjunction with The White House has issued a call to action for this sector to tackle emissions with a goal to **lower** Greenhouse Gas Emissions (GHGs) by 50% by 2030 and reach net zero by 2050. Regulatory pressures could be applied in the future such as an emissions reduction

requirement to receive full payment on government insurance programs such as Medicare and Medicaid. Similarly, accessing capital from lenders is increasingly being attached to Environmental, Social and Governance (ESG) performance. By prioritizing sustainability, healthcare systems and hospitals can future proof themselves to both survive and thrive by improving their competitiveness.





Learn more about how Siemens is helping its healthcare partners achieve their vision.

## SIEMENS