

Energy Infrastructure for Medical Center

Capital Optimization + De-Risked Operations
Hospital
Boston, MA | Installed 2024

Challenge

Failure of critical on-site generation with capital constraints to replacing equipment.

The hospital required:

- Restoration of critical energy infrastructure
- Preservation of energy savings and green attributes central to the building's design
- Capital preservation for core clinical investments
- Third-party performance management to improve reliability and efficiency
- Availability and savings guarantees

Solution

Renew returned capital to the customer and de-risked its operations by acquiring the CHP during construction.

- Managed construction, start-up, and commissioning of the plant
- Identified and improved building electrical system inefficiencies
- Established a long-term O&M agreement
- Provided an availability guarantee
- Structured a Power Purchase Agreement for electricity and thermal energy



Technology



**280 kW Cogeneration
System (CHP)**



**Reconfigured Building
Electrical Interconnection**



**System Acquisition &
Commissioning**



**Ongoing Asset
Management Services**

Outcome

- \$1.285M in capital returned to the hospital
- Annual MT CO₂ reductions
- Operating risk transferred to Renew
- Contracted long-term energy pricing
- Zero disruption to patient care during transition



RenewEnergy
PARTNERS

Powering What's Possible

Engineering + Capital for critical building infrastructure

>\$1 billion of C&I energy systems developed

Institutional capital for turnkey financing

100+ years of cumulative operating experience

Trusted infrastructure partner for world-class companies

