

Savings for Healthcare Buildings

ENERGY EFFICIENCY PROGRAMS FOR BUSINESSES



LEARN MORE

Over \$6.5 billion is spent on energy each year by healthcare organizations, and this number continues to rise to meet patients' needs¹. Energy is used 24/7 to power equipment — an average US hospital uses 31 kilowatt-hours (kWh) of electricity and 103,600 Btu of natural gas per square foot annually². There are several opportunities for healthcare organizations to find energy savings including ventilation, lighting, space heating, and water heating. In addition to equipment upgrades, hospitals can also educate their staff on improving energy usage.

By being more energy-efficient, hospitals and medical centers can protect their bottom line, reduce carbon emissions, purchase new equipment with their savings, and continue supporting their patients and overall public health.

¹ENERGY STAR®

²esource.bizenergyadvisor.com

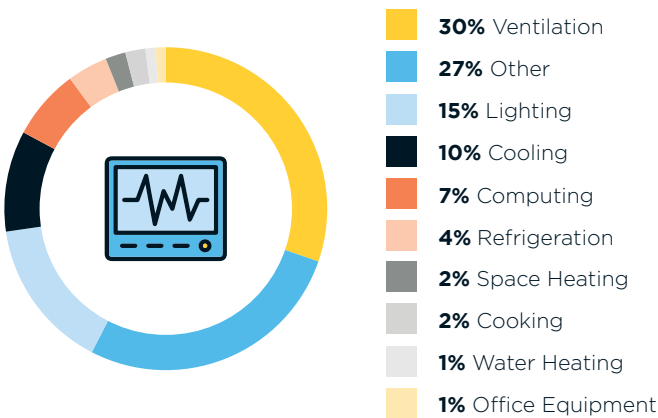


Energy Tip: Automatic Lighting Controls

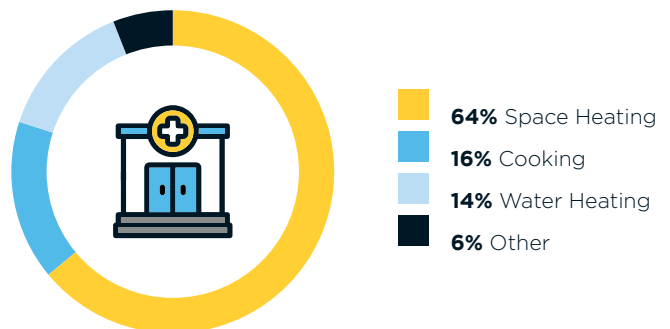
In a typical U.S. healthcare facility, lighting makes up around 17% of electricity consumption³. Automatic lighting controls, such as timers, dimmers, and occupancy sensors, help reduce energy costs. This technology is especially beneficial in rooms that are periodically used such as offices, break rooms, and restrooms.

How Hospitals Use Energy³

Electricity End Uses



Natural Gas End Uses



³U.S. Energy Information Administration (2018 CBECS Survey Data). Some data is withheld due to a lack of sample size and where relative standard error is greater than 50%.






An Indiana Hospital Achieves a Clean Bill of Energy Health

- Incentives Earned: **\$12,739**
- Therms Saved: **12,739 therms**
- Project Cost*: **\$10,369**
- 1st Year ROI*: **23%**
- Payback*: **4.28 Years**

Upgrades included: RCx Hospital (Rooftop Unit (RTU) scheduling and DAT reset)

*With incentive

Saving 12,739 therms, is equal to:

-  **18.1 vehicles** removed from the road
-  **152.0 homes** powered for one month
-  **29.4 tons** of landfill CO₂ emissions eliminated

Energy Efficiency Opportunities for Healthcare

Low-Cost Measures

- Measure and track energy performance.
- Ensure all equipment is functioning as specified and designed.
- Retrofit inefficient lighting.
- Adjust thermostats for seasonal changes and occupancy.
- Install variable frequency drives (VFDs) and energy-efficient motors.
- Balance air and water systems
- Educate staff and patients about how their behaviors can affect energy use.

Cost-Effective Investments

- Work with an energy service provider to help manage and improve energy performance.
- Investigate capital investments such as highly efficient HVAC systems.
- Purchase energy-efficient products like ENERGY STAR® qualified office, electronic, and commercial cooking equipment.

Local Hospital Brightens Up Their Energy Savings

- Incentives Earned: **\$89,863**
- Total kWh Saved: **1,140,076 kWh**
- Project Cost*: **\$154,586**

Upgrades included: LED Lighting, HVAC (Water-Cooled Chiller Installation)

*With incentive

Saving 1,140,076 kWh, is equal to:

-  **189.4 vehicles** removed from the road
-  **1,591.2 homes** powered for one month
-  **308.3 tons** of landfill CO₂ emissions eliminated

Get Started Saving!

Now that you know more about what to upgrade, visit trcsavesenergy.com/TradeAlly/TradeAllySearch to find an experienced contractor or contact a TRC Field Engineer in your area by visiting trcsavesenergy.com/Home/ContactUs or calling TRC at **1-800-299-2501**.