

CASE STUDY

Naples Community Hospital Naples, FL



The Client

Naples Community Hospital (NCH) Healthcare System is a non-profit healthcare provider serving Collier County and Naples, Florida. NCH Baker Hospital Downtown and NCH North Naples Hospital provide personalized care for over 40,500 patients a year in their two-hospital, 716 bed system. Together, the buildings encompass over 840,000 sq. ft.

The Challenge

NCH's costs for energy were rising, even with lower, negotiated natural gas rates. Because of the increasing costs, the energy consumption of their aging facilities was a growing concern. The hospital wanted to determine the Energy Utilization Index (EUI) for each of their buildings to identify where the most energy was being spent; they knew they were facing end-of-life equipment issues for many major mechanical systems. Additionally, the most pressing need was increased control over their humidity levels.

Our Solution

NCH hired Plug Smart to initiate a comprehensive investment-grade energy audit for the two campuses, along with a central facility. Plug Smart analytics determined that the EUI for each of the buildings was significantly higher than other area hospitals in NCH's peer group, so Energy Conservation Measures (ECMs) to address their increased consumption and humidity issues were engineered including utility savings, operations and maintenance savings, rebates and incentives and ROI. Plug Smart also created an Energy Master Plan that prioritized and scheduled improvements alongside the Facilities Master Plan that could be completed throughout a five-year plan. Some of the improvements that were implemented at both campuses include: updating the lighting and boiler plants, replacing the chiller and cooling tower, and retro commissioning at the downtown campus.

Plug Smart is true to their name. Their deep working knowledge of every type of energy system helped our hospital approach our energy problems intelligently, so that we could better focus on serving our patients. Through their Energy Master Plan, we are saving more than enough money to pay for the project.

Most impressively, the Plug Smart team took the time to understand our concerns and our constraints so that we were comfortable. Now our buildings will perform as well as our hospitals have for years."

—Lee Wehr,

Director of Engineering
Naples Community Hospital

\$38M

Total Project Menu

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\$410K

Total Annual
Gas Savings

...

\$184K

Annual O&M Savings
at Downtown campus

...

\$141K

Annual O&M Savings
at North campus