

Ronald Reagan UCLA Medical Center

Los Angeles, CA

PROJECT SAVINGS

CO₂ Reduction



14,180 tons/yr

ROI



4 months simple
payback

Savings



\$1.8 Million

DECARBONIZATION

Project Investment: \$1.6 million

Energy Savings: \$1.8 million;
14.5%

Construction: 2015-2020
(multiple phases)

Contract Type: Firm Fixed Price

PROJECT OVERVIEW

As part of the larger University of California/California State University and Investor-Owned Utility Energy Efficiency Partnership Program (UC/CSU/IOU Partnership Program), Veregy performed a Retro-Commissioning (RCx) and a Monitoring-Based Commissioning (MBCx) project at the Ronald Reagan Medical Center. The goal of the project is to decrease operations and maintenance effort and costs, increase indoor environmental quality, and patient comfort.

Veregy has completed the eQuest model and performed an ASHRAE Level II energy audit for this 1.26 MSF, 8-story medical facility, and completed the RCx and MBCx projects, which include:

- **Schedule AHUs/FCUs/compact refrigeration** in low-occupancy areas to cut unoccupied runtime and energy use.
- **Reset AHU supply-air temperature** to match zone demand, avoiding simultaneous heat/cool and humidify/dehumidify to reduce energy.
- **Lower duct static pressure automatically** while maintaining terminal airflow, reducing fan energy and cost.
- **Reset loop differential pressure** (CHW, HHW, LTCW) during low loads to reduce pumping energy.

Our optimization efforts are monitored through the MBCx portion of the contract and our online software platform, which integrates with Ronald Reagan's Medical Center's BAS to track operations at a detailed level. Automated analytics identify inefficiencies and root causes, generating actionable recommendations that reduce energy intensity and maintenance costs without disrupting facility operations or compromising patient care.



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