

# Vanderbilt University Medical Center Energy Savings Case Study

## Project Overview

Vanderbilt University Medical Center (VUMC) saved a mammoth \$243,854 by taking advantage of incentives from TVA EnergyRight® for Business & Industry in partnership with Nashville Electric Service. Prior to their upgrade, the infill chiller plant that provides heating and cooling for nearly one million square feet of space required constant adjustments to account for changes in capacity and weather conditions. Because VUMC opted for a chiller optimization upgrade, the project qualified for a substantial TVA EnergyRight custom incentive.

The total cost of implementing their project would have cost nearly \$594,000. Without an incentive, their reduced energy costs would have yielded a 2.3-year payback on their investment. After VUMC heard about custom incentives and received expert guidance from Hobbs and Associates of TVA EnergyRight's Preferred Partners Network, they knew it was a smart move! Combining their incentive and energy savings, VUMC's project will pay for itself in a little less than 1.4 years.



## Project Details

Facility type:  
**Hospital**

Incentive Type:  
**Custom HVAC**

Incentive:  
**\$243,854**

Project cost:  
**\$593,854**

Annual energy savings:  
**2,960,486 kWh**

Annual cost savings:  
**\$251,641**

Payback:  
**1.39 years**



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