

# Cabot Corporation



## COMPREHENSIVE ENERGY EFFICIENCY TREATMENT

Cabot Corporation, a leading global specialty chemicals and performance materials company, partnered with ENGIE Services U.S. (ENGIE) to obtain a comprehensive energy conservation analysis of its Business Development Center in Billerica, Massachusetts. The analysis resulted in the identification of cost effective controls, lighting, and central chiller plant projects.

## THE PARTNERSHIP

ENGIE was contracted to install HVAC and controls energy efficiency measures for the Cabot Corporation. Extensive modification to the chiller plant included the installation of a new 470-ton chiller, conversion to primary and secondary pumping, and installation of a new efficient cooling tower.

## 3 DIMENSIONS OF IMPACT

ENGIE is committed to building three dimensions of impact in every customer's future:



### Supporting People

- The efficient cooling tower technology increases occupant comfort, while conserving potable water.



### Saving Money

- In addition to the \$110,000 annual energy savings, ENGIE's team of utility partner specialists obtained \$300,000 in utility incentives.



### Protecting the Environment

- The combined energy efficiency measures create an annual savings of 1.2 million kWh and 20,000 therms of gas, reducing carbon emissions equivalent to the annual energy use of 107 homes.

## Program Summary

- Annual Electricity Savings: 1,200,000 kWh
- Annual Gas Savings: 20,000 Therms
- Utility Incentive: \$300,000
- Simple Payback: <4 years

## Energy Efficiency Measures

- Controls
- HVAC



*Old cooling tower (left). New cooling tower (right).*