



## Heritage Valley Health System

Beaver, Pennsylvania

### *Performance-based energy reduction program*

#### **Problem**

Optimira Energy was competitively selected as the Medical Center's performance contracting partner in 1996. The Medical Center sought comprehensive solutions that would address escalating utility costs.

#### **Resolution**

In September 2001, Optimira developed a comprehensive performance-based energy reduction program designed to improve the quality, asset value, and operational performance of the expanded Medical Center. (The project had been delayed due to mergers that created the current Heritage Valley Health System.) The cost of the project was let at \$2,660,927.

#### **Project Description**

The Optimira team implemented lighting improvements as well as a lighting layout redesign. Additionally, the Optimira project solution involved the redesign and modification of an HVAC system and the expansion and update of a controls system. Water conservation improvements were also implemented and a summer boiler installed. The Optimira team provided waste stream management as well as personnel training and increased occupant awareness information exchange on energy reduction initiatives installed at the Medical Center.



#### **End Result**

The project delivered an annual savings of \$557,922 with a project payback of less than four years.