



Energy Cost Savings

**Customer:** Lehigh Valley Hospital

**Location:** Allentown, PA

**Scope of Work:** Armstrong International was awarded an engineering service contract from Lehigh Valley Hospital.

**Upgrade Projects:**

- Provide turnkey design, engineering, and construction services to implement a flash steam and condensate recovery project to lower the hospital's energy and maintenance costs
- Perform cost savings calculations from energy bill data, site measurements, and system analysis to assist Lehigh Valley Hospital in monitoring the captured savings
- Implement a series of energy efficiency measures that will provide a simple payback in less than three years
- Provide sustaining engineering services and develop further system upgrades by auditing the new system quarterly for three years and performing an annual steam trap survey



**Contract:** Multi-year agreement with automatic annual renewals.

**Terms:** Term of agreement began August 2000.

- Benefits:**
- Lehigh Valley Hospital will have significantly less equipment downtime due to corrected system misapplications and reap the benefits of major energy cost savings
  - Lehigh Valley Hospital will enjoy a less than three year simple payback on the improvements made by Armstrong
  - The Armstrong design will improve the hospital's appearance by eliminating an unsightly flash steam exhaust to the atmosphere

