



## O&M Services/Turnkey Installation

**Customer:** Bates Troy

**Location:** Binghamton, NY

**Scope of Work:** Armstrong International owns and services the steam generation assets, and maintain the corresponding distribution system throughout the Bates Troy facility.

The total peak steam capacity is 15,000 lbs/hr.



Armstrong services and supports all the utility operations including utility bill tracking and payment, recognizing areas of inefficiency, and regular energy use reporting.

- Upgrade Projects:**
- Recovered all vented flash steam
  - Engineered and installed steam distribution line modifications
  - Installed automation for chemical feed system to the boiler
  - Replaced all defective steam traps
  - Corrected all live steam/condensate leaks
  - Insulated all bare piping

**Contract:** The total value of this agreement is \$600,000.

**Terms:** 10-year service and support term began January 2000.

**Benefits:** Gas consumption has been reduced by 20%, with 5% increase in production. Electric consumption has been reduced by 13%.

