



Energy Conservation Measures

Customer: VA Medical Center

Location: Midwest, U.S.

Scope of Work: During the VA Medical Center visit, Armstrong's audit team, with the valued assistance of Campbell-Sevey personnel, identified, analyzed and developed Energy Conservation Measures (ECM's) for this program. For each ECM, Armstrong performed detailed field engineering and presented the facility with an Engineering Approval Package (EAP), containing a general arrangement drawing, depicting the plant modifications along with the technical back up. Site personnel subsequently approved and released the individual ECM's to Armstrong for implementation, as part of the overall program.

Upgrade Projects: Several ECM's were implemented, through the installation of quality products and services by Armstrong:

- ECM 1 – Boiler stack economizer
- ECM 2 – Boiler continuous blowdown
- ECM 3 – Deaerator vent
- ECM 4 – Coils and heat exchangers
- ECM 5 – Steam traps
- ECM 6 – Laundry wash water recovery
- ECM 7 – Trip valves

Benefits: The VA Hospital was able to reduce a significant amount of energy losses by the capture and recovery of steam and condensate. The ECM's were implemented on time, and was a complete turnkey solution for the hospital.

