



Case Study – CHP Installation

Client – Manufacture – Boston, MA

Project – Installation of a 7.4 MW Combined Heat and Power Plant (CHP).

Situation – The facility was shifting from a heavy thermal system to a heavy electrical usage. The client was previously producing power through a Back Pressure and Condensing Steam Turbine, with the steam being produced by their boilers.

Solution - Woodstone Energy determined the best solution for the client would be to install a Natural Gas Turbine along with a Heat Recovery Steam Generator that was supplementary fired with a duct burner. We would take out an existing 100,000 lb. / hour boiler and install the new unit in the same location.

Woodstone Energy Role: Woodstone supplied the overall Turnkey for the project which included management and overview of Engineering and Construction Management. We also managed the procurement of the contractors and materials for the project.

End Result - Woodstone Energy's installation of the CHP plant created an annual electrical savings of over 80,000 MWH's with a reduction of 38,000 plus tons of CO2. Through Woodstone's project management and engineering efforts the project came in substantially under budget from the original projected costs.

Woodstone Energy is a leading provider of progressive energy conservation and sustainability solutions for small and large manufacturers throughout North America and around the globe. We are proud to be Women's Business Enterprise (WBE) certified.

WoodstoneEnergy.com
(812) 246-9766

