



Case Study – 300HP VFD

Client – Manufacture – Boston, MA

Project – (2) 300 HP PUMP VFD's.

Situation – This client requested Woodstone Energy to find energy conservation projects. Our team found (2) 300 HP pumps running at 100%. Woodstone Energy recommended installing Variable Frequency Drives after reviewing the operation of the pumps with the client.

Solution - Woodstone Energy removed (2) existing Motor Starters and installed (2) VFD's with associated controls. Engineered and provided a turn-key project with no loss of production.

VFD: 8760 Run Hrs.

Controls and Sensors: Digital DP switch sensors were installed using client's preferred controls vendor and were integrated into the existing building automation system. Component Water system was taken offline then back online and tested during a client planned shutdown.

End Result - Woodstone Energy's VFD upgrade created an annual electrical savings of 747,213 kWh and \$73,340. After our VFD project was online Woodstone Energy fine tuned the Component Water system and achieved an additional 10% of energy reduction. This project qualified for a local utility NSTAR rebate in the amount of \$76,324.

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.

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