

**Installation of KVAR Units****Project Description:**

Salisbury, Massachusetts is a scenic seaside community on the coast of New England near the New Hampshire border. The community's year-round population is estimated at 5,000 and expands during the summer months. The department spends 20% of its annual budget on electricity to operate the plant. Finding technologies to decrease this cost is a priority.

“Jeff Haydock at Waterline approached me about doing an energy audit on our motors with their KVAR units. They tested 4 of our blowers that alternate running all day as well as our 4 effluent pumps. In a day or two they had results saying the payback was less than 6 months. Given the relatively small dollars involved compared to VFDs we agreed to have the units installed and in the first month we saw an 18% reduction in electricity usage from the same month a year prior. At that rate these units will have paid for themselves in 3 months and we couldn't be happier.

Waterline has been very professional and easy to work with, and the service and communication has been great. Would do it all over again in a heartbeat!”  
-Jeff Ingalls, Plant Operator

**How Patented KVAR Works:**

When a motor starts, it asks the utilities transformer for power (voltage and amperage) to run. This demand for power runs through the wiring, panel box, meter and down the lines to the transformer and heats up and strains the motor and wiring. This heat (I<sup>2</sup>R losses) is called watts. The KEC, once installed, stores and releases energy to the motor it needs to function properly. This reduces heat on the wires and the motor. Reducing this heat, will lower your electric bill, increase the life of the motor and reduce the chances of fire. As a result of providing reactive power (KEC) locally, motors run cooler and more efficient. This equates to“\$\$\$” savings and longer equipment life.

**For more information regarding KVAR or to schedule a FREE ENERGY AUDIT  
contact: Jeff Haydock, Director of Sales**

**Waterline Alternative Energies: Call: (888) 474.1140 or email: [waesales@waterlineind.com](mailto:waesales@waterlineind.com)**

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## ABOUT

### About Waterline Alternative Energies:

Waterline Alternative Energies was formed to serve the demands for renewable energy sources generated from our customers and prospects. We are committed to providing green energy that is proven and cost effective. We can also assist you in developing a green strategy that addresses your demand for energy as well as make your current use of traditional energy sources more efficient. We see the adoption of clean energy a WIN, WIN for you and our environment.

### Other Waterline Companies include:

#### Waterline Industries Corporation:

Waterline Industries Corporation is an innovative, dynamic company specializing in water and wastewater construction facilities. Established in 1987, it continually exceeds the performance of competitors through dynamic teamwork and experience. Waterline Industries believes that by performing the majority of the work with a dedicated staff ensures the build of realistic schedules and guarantees a successful project deployment. As Waterline Industries enters our third decade of service, we welcome new challenges and will continue to provide clients with the quality and professionalism they have come to expect.

#### Waterline Services LLC:

Waterline Services was created out of the need for existing water and wastewater facilities to be maintained, operated and upgraded. Waterline Services is quickly become a leader in the water and wastewater maintenance throughout New England. Our focus is on equipment and piping installations, filter media replacement and service-related issues. In addition, we have completed larger projects such as a 30,000 gallon water storage tank installation, clarifier drive replacements, complete pump station installations, and supervisory control and data acquisition (SCADA) equipment installations.

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