



Variable Frequency Drives **\$ave** Energy Instantly!

In partnership with the Worcester County Board of Education, Envirotrols Group, Inc. installed Toshiba Q9 VFD's on nine rooftop units at Snow Hill, MD Elementary School.

The RTU's 7.5HP fan motor was matched with a Toshiba a Q9 VFD of the same HP and load rating.

An immediate 18% drop in amps was seen by reducing the VFD output frequency from 60Hz to 50Hz.



8.2 Amp reading of fan motor without VFD

6.7 Amp reading of fan motor with VFD

That reduction in amps equates to a 33% reduction in horsepower and Kwh and an \$864 annual savings per unit in electricity from one motor.

TOSHIBA
Leading Innovation >>>

Envirotrols Group, Inc. is a Toshiba authorized manufacturer's representative.



Retrofitting existing rooftop units and pump motors with Toshiba VFD's is a win-win for the school, utility companies and the environment. In addition to the electricity savings, the school will also save on wear and tear of the motor and belts, reduce the noise output level, and help reduce carbon output from the electric company.



9 Roof Top Units had Toshiba VFD's installed



VFD on control board inside RTU

******BONUS******

Utilizing the Maryland Energy Program Rebates, Envirotrols Group, Inc. was able to help the school install all of the VFD's for \$0.

Envirotrols Group, Inc. is a registered Trade Ally with all of the participating Maryland utilities. Let us help your small or large facility take advantage of this amazing technology and energy savings programs.

**Contact us today.
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