TRIANGULAR WAVE
Fact Sheet

ADAMS ELECTRIC COOPERATIVE, INC. USES TRIANGULAR WAVE SYSTEM TO CONTROL SCALE AND BIOFILM DEPOSITS IN INNOVATIVE COOLING SYSTEM

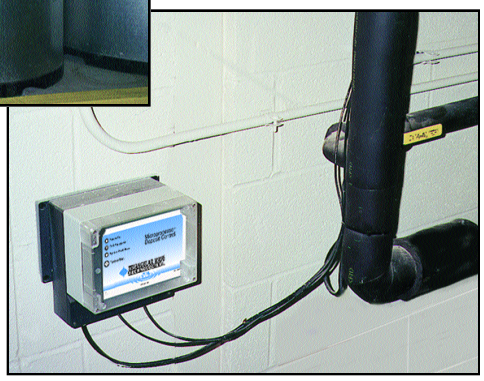
The Adams Electric Cooperative, Inc. installed an innovative Ice Storage Air Conditioning System in their state-of-the-art headquarters facility in Gettysburg, PA. The System makes ice during off-peak times (usually at night) and stores the ice in three 1,600-gallon tanks for use during on-peak periods (usually during the day).

Adams Electrical Cooperative, Inc. Headquarters Building

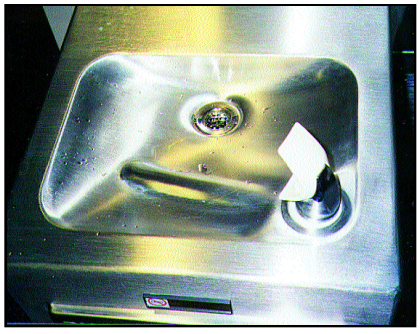
A closed loop mixture of water and glycol is used to chill water in the tanks at night and to chill air in air handlers located throughout the building during the day. Variable speed fans and variable air volume boxes assure that work spaces receive just the right amount of cooling and heating.

Two 1,600 gal. Ice Storage Tanks

The Triangular Wave System was installed on the water supply line near where it enters the building. The Triangular Wave System treats the water to control deposits of scale and biofilm in the water lines, hot water heater, and fixtures.


Triangular Wave System (coil hidden by insulation)

The water also is used for drinking and toilet facilities in the headquarters. Fixtures such as the stainless steel water fountain are scale free.


Scale Free Water Fountain

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