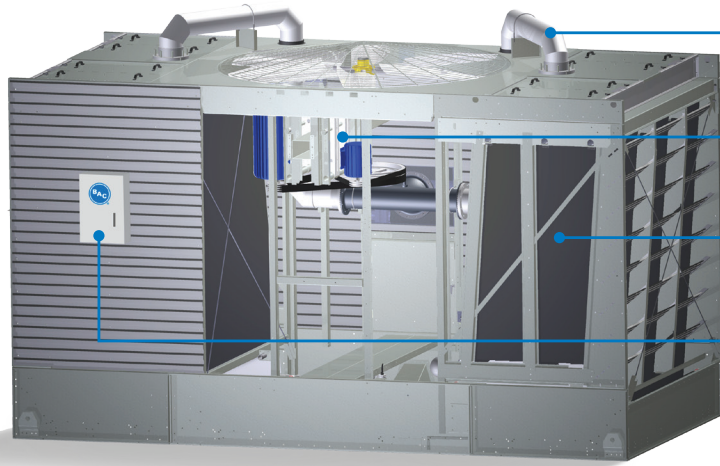




PRODUCT SPOTLIGHT: Energy Saving Retrofits

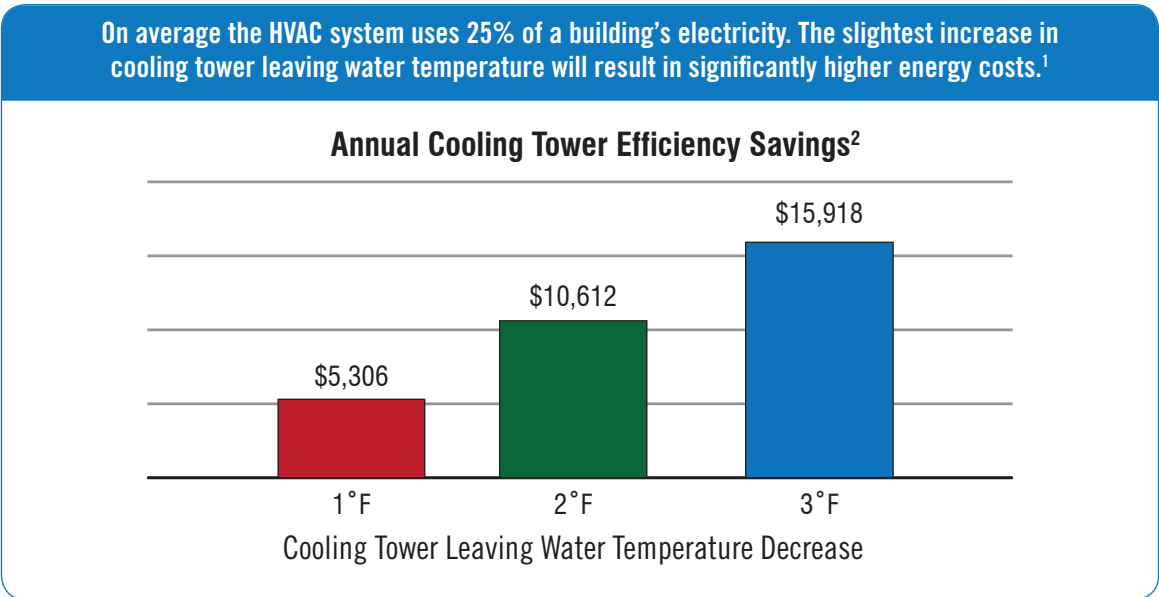


Retrofit Opportunities



- 1 Water Distribution
- 2 Mechanical Drive Components
- 3 Fill
- 4 BAC VFD (Variable Frequency Drive)

A 2°F Decrease in Leaving Water Temperature Saves 6% in Electricity Costs







Note 1: U.S. Energy Information Administration (EIA)



Note 2: Savings are based on the energy costs for a 500 ton centrifugal chiller, 0.68 kW/ton chiller efficiency at full load, \$0.12/kWh energy cost, \$25/kW per month, 80% ratchet demand charge, and 2,000 equivalent full load hours of operation.


PRODUCT SPOTLIGHT:

Energy Saving Retrofits

	2% to 3% Energy Savings
	1°F Decrease in Leaving Water Temperature
Pay Back Period: Less than 1 Year	

	3% to 7% Energy Savings
	1-2°F Decrease in Leaving Water Temperature
Pay Back Period: Less than 1 Year	

	7% to 10% Energy Savings
	2°F Decrease in Leaving Water Temperature
Pay Back Period: 2-3 Years	

	30% to 40% Energy Savings
Pay Back Period: Less than 1 Year	

1 Replace Nozzles

- ✓ Broken or clogged nozzles cause uneven water distribution over the fill, scale build up, and decreased capacity.

2 Upgrade or Replace Drive Components

- ✓ For increased building heat loads, BAC's drive upgrade kits will increase the capacity of your cooling tower.
- ✓ To maintain the peak performance of your cooling tower, replace your motors, drive sheaves, drive bushings and belts with BAC Factory Authorized Parts.

3 Install New Fill

- ✓ Replace scaled or clogged fill with BAC's replacement fill kits that are designed with state of the art fill technology to restore or increase the capacity of your cooling tower.

4 Install a VFD

- ✓ Adding a Variable Frequency Drive will provide a more efficient method of operating your cooling tower while extending the life of the motor and mechanical drive system.

Contact your local BAC Representative for a free unit inspection and consultation on Energy Saving Retrofits.



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