Go Green. Go Delta.

Water-cooled equipment utilizing cooling towers has always had substantial energy savings over air-cooled equipment. Now more than ever, given the typical energy savings of 40%, water-cooled equipment is the design of choice. One misconception is that air-cooled will save significant water compared to water-cooled, when in fact, the additional energy required for air-cooled equipment will consume water at the power plant energy source and will actually require more water.

Energy Efficiency

- Recently adopted addendum l to ASHRAE 90.1 added minimum efficiency standards for both axial and centrifugal fan cooling towers. The minimum efficiency values are greater than 40.2 gpm/hp for axial fan and 20.0 gpm/hp for centrifugal fan cooling towers at 95°F entering water, 85°F leaving water, and 75°F wet bulb temperature. **All Delta standard cooling tower models exceed these energy efficiency performance levels.**
- U.S.Green Building Council LEED credits are available for buildings complying with ASHRAE 90.1 minimum efficiency standards above. **Delta was also the first cooling tower manufacturer to standardize on NEMA® Premium Efficiency Motors**.

Sustainability

The ultimate in sustainability is a cooling tower that can outlast the building it services. Delta's non-corroding engineered plastic design, backed by 20-year shell warranty, will not rust, corrode, or require the downtime for service that traditional metal towers require. Traditional metal towers that last 7 to 15 years or less in many applications, confront owners with disposal issues including environmental impact, higher maintenance cost and replacement cost.

Designed Green

Delta's engineered plastic design allows the most aggressive water treatment options available. This can allow users to run at higher cycles of concentration, thereby, saving make-up water. These savings can be very large for water usage and can help solve water issues.

The counterflow designs have less of an environmental impact than crossflow designs because of inherently better thermal performance. Crossflow designs will have greater water splash out with high winds, especially when fans are off at low-load or low wet-bulb situations. Delta Towers keep the water totally enclosed and free from sunlight lessening opportunity for biological growth requiring extra water treatment chemicals.

Counterflow models also can incorporate the industry's best drift eliminators at .001% or even our optional .0005% of the recirculating flow.

Electricity Consumption

Let's look at energy consumption, in this case electricity usage. Delta Cooling Tower's innovative design runs less horsepower. Remember from earlier that Delta uses only NEMA® Premium Efficiency Motors.

Let use Delta's 3 Cell TM model as an example:

	DELTA	Competition
Motor	6 – 5 hp	4 – 15 hp
Horsepower	30	60
% Full Load	90%	90%
Annual Operating Hours	8,760	8,760
Electric Cost	.13/kW	.13/kW
Annual Operating Cost	$25,450	$50,900

DELTA Cooling Towers, Inc.

DeltaCooling.com
1-800-BUY-DELTA