

# Be Green - Save Water – Eliminate Scale Reduce Water, Sewer, and Energy Costs

MB0411



A 500 ton thermal load operated at 3 cycles of concentration (COC) will blowdown to sewer 2,422,688 gallons per year.

Converting this system to a patented<sup>i</sup> **Zero Blowdown Technology-ZBT™** water treatment program eliminates cooling tower blowdown of:

**2,028,488 gallons of water per year**

Do you currently have hard water scale problems? Is scale in your condensers increasing your energy bills? Did you know that just 0.015 inch of scale increases chiller energy use by 12.5%, which on a 500 ton thermal load increases the energy bill by over \$36,000 per year?

**Eliminate scale, save big energy cost \$**

**ZBT** by ProChemTech totally eliminates hard water scale formation.

## Reduce Water and Sewer Costs

You pay for every gallon of cooling tower blowdown twice, once when you buy the water, second when blowdown is discharged to the sewer. On a 500 ton thermal load going from 3 COC to a **ZBT** water treatment program reduces blowdown water costs by 27.9% and sewerage costs by 100%.



**Scale Free Cooling Tower Basin**

**ZBT** is the use of softened makeup water combined with bypass filtration and a specialized corrosion inhibitor program to enable use of highly corrosive cycled soft water in cooling tower systems.

**We provide complete ZBT packages: softener, bypass filter, control equipment, and soft water chemistry: everything from one supplier, for any size or use cooling tower. Cut your water and energy use today and eliminate scale; contact us by phone or e-mail**

**ProChemTech International, Inc.**  
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<sup>i</sup> US Patent 7,595,000