

DELIVERING WORLD-CLASS
WATER TREATMENT PRODUCTS
AND SERVICES LOCALLY



GOING GREEN

HVAC COIL MAINTENANCE

“GOING GREEN”... it has become a daily segment on the nightly news. Reducing energy consumption and corresponding emissions has become more important than ever before, and this trend will only increase.

Commercial Office Buildings, Residential Facilities, and Schools have made energy reduction a critical part of their goals not just to reduce emissions, but also to be more competitive in the marketplace.

Increasing your energy efficiency, reducing your carbon footprint does not always have to involve major changes or capital projects. One example is with HVAC Cooling Coil maintenance. Fouled cooling coils can cause the following issues:

- Reduced efficiency in the air cooling process
- Reduced cooling water efficiency by not maintaining an efficient chiller load profile
- Reduced air flow and/or air channeling
- Increased labor cost for maintenance due to the need for more frequent cleanings
- Tenant complaints

THE RESULT.... your system is not doing what it's designed to do, and its operating in an inefficient manner leading to a higher cost per ton of cooling for your facility. The best method for restoring cooling coil efficiency is through a physical cleaning process... but not all cleaning processes are created equal.

**ESSENTIAL WATER TECHNOLOGIES CAN ASSIST YOU WITH
DEVELOPING A COIL MAINTENANCE PLAN!**



At the minimum, a properly designed coil cleaning process should involve:

- The application of cleaners that are acceptable to the environment and will minimize environmental and safety concerns.
- The application of an EPA registered micro biocide that will prevent microbiological growth.
- Utilizing the proper equipment so as not to physically damage the coils.
- HVAC Cooling Coil Maintenance plays an integral part in reducing your carbon footprint while reducing the total costs of operation for your facility.

Contact Essential Water Technologies for assistance in establishing a Cooling Coil Maintenance Program for your facility.

REDUCE TOTAL OPERATING COSTS: COOLING TOWER EVAPORATION CREDITS

Your facilities water costs typically includes the purchase cost as well as a sewer surcharge. Municipalities often assume all the water entering the facility leaves via the sanitary sewer and will apply a sewer sur-charge based on the volume of water that enters. Examples of water utilization that is not sewered include irrigation, cooling tower evaporation, and process applications.

Cooling tower evaporation credits can provide an easy means of reducing the total operating costs of your facility. Typical volumes of water evaporated are as follows:

- 100 Tons of Cooling = 3700 gallons per day
- 500 Tons of Cooling = 18,360 gallons per day
- 1000 Tons of Cooling = 36,720 gallons per day

Requirements vary for documenting the amount of evaporation that occurs but typically, the facility will install an approved water meter on the cooling tower make-up and bleed lines. Note that this can also apply to outdoor irrigation systems as well.

The savings associated with obtaining an evaporation credit from your municipality can be appreciable.



FOR FURTHER INFORMATION PLEASE CALL US OR VISIT
OUR WEBSITE: WWW.ESSENTIALWATERTECH.COM