

NIAGARA BLOWER SOLUTIONS

What is WSAC®?

The Wet Surface Air Cooler is a closed-loop, evaporative cooling system.

Wet Surface Air Coolers are optimized for industrial applications where rugged design/fabrication and cost effective efficient closed-loop cooling/condensing are required.

Applications:

Liquid Cooling
Gas Cooling
Vapor Condensing

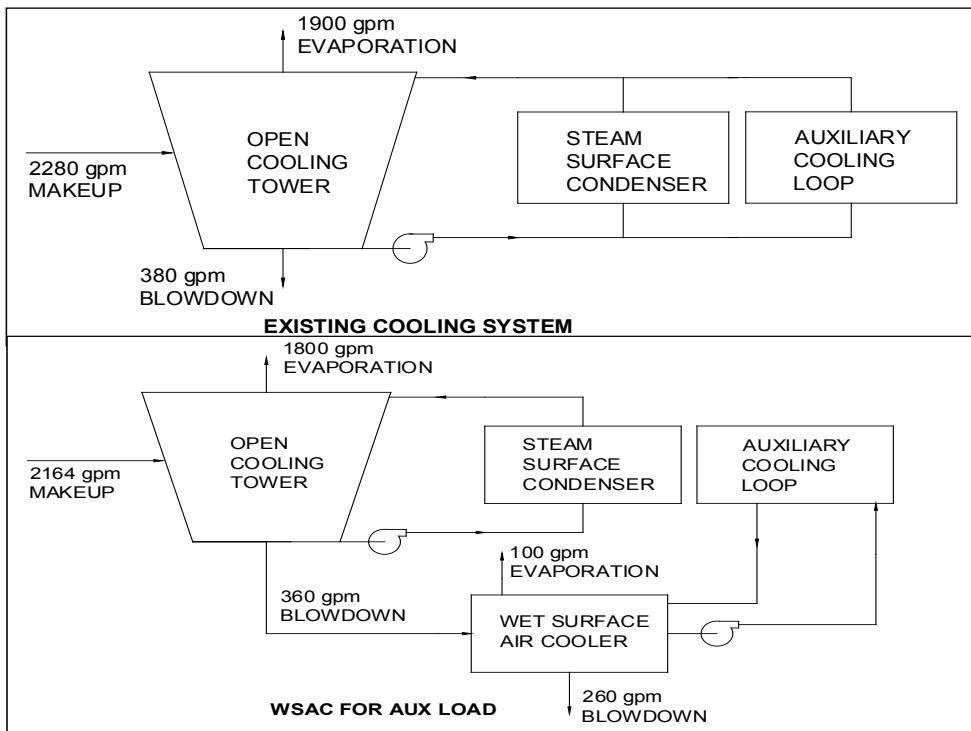
Industries:

Refining
Power
Wastewater
Pulp & Paper
Metals
Mining
Food/Beverage

HOW TO REDUCE WATER CONSUMPTION IN AN EXISTING COMBINED CYCLE POWER PLANT

THE CHALLENGE Plant needs to reduce makeup water needs without affecting plant performance.

THE SOLUTION Install a separate WSAC® cooler to handle aux load and reduce makeup and blowdown.



57 MILLION GALS / YEAR SAVED IN MAKEUP & BLOWDOWN

	WATER FLOW RATES		ASSUMPTIONS:
	MAKEUP	BLOWDOWN	
EXISTING SYSTEM	2280 gpm	380 gpm	<ul style="list-style-type: none"> • 525 MW COMBINED CYCLE PLANT • 6 CYCLES OF CONCENTRATION IN OPEN TOWER • 8000 HRS/YR OF OPERATION
MODIFIED SYSTEM	2160 gpm	260 gpm	
REDUCTION	120gpm	120 gpm	

For more information about this as well as other WSAC applications, please contact our factory office.



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