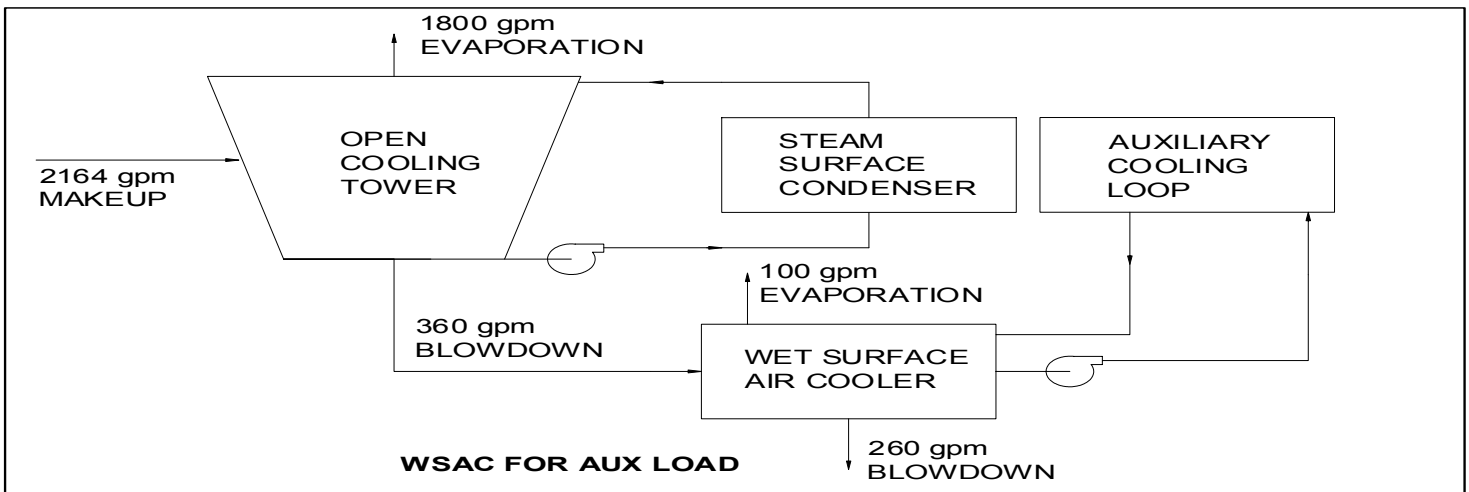
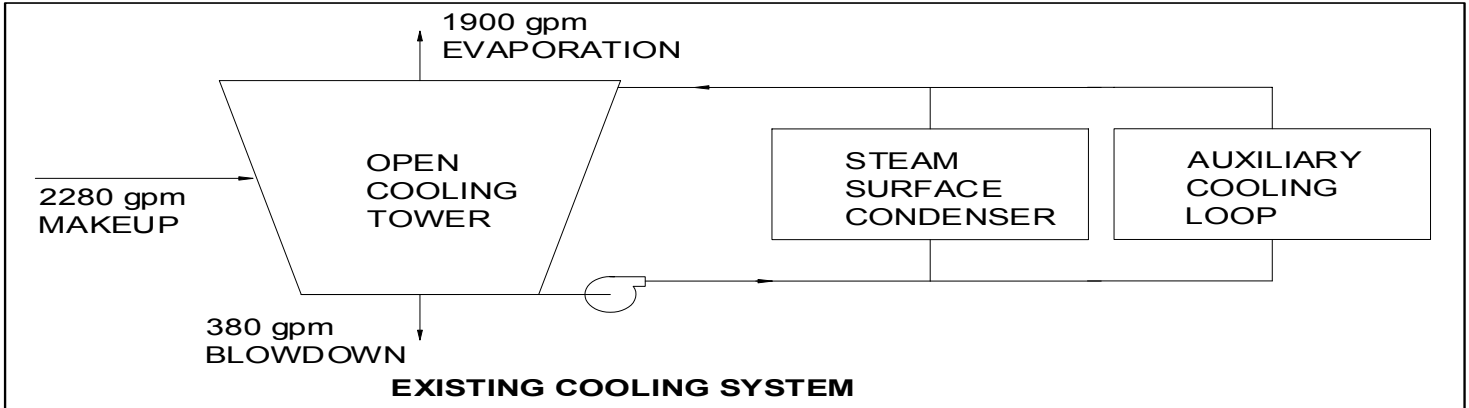




NIAGARA BLOWER COMPANY

WET SURFACE AIR COOLER (WSAC) CASE STUDY

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



	WATER FLOW RATES	
	MAKEUP	BLOWDOWN
EXISTING SYSTEM	2280 gpm	380 gpm
MODIFIED SYSTEM	2160 gpm	260 gpm
REDUCTION	120 gpm	120 gpm
57 MILLION GALS / YEAR SAVED IN MAKEUP & BLOWDOWN		

- ASSUMPTIONS:**
- 525 MW combined cycle plant
 - 6 cycles of concentration in open tower
 - 8000 hrs / yr of operation

FOR MORE INFORMATION ABOUT THIS AS WELL AS OTHER (WSAC) SYSTEM APPLICATIONS, PLEASE CONTACT NIAGARA FACTORY OFFICES IN BUFFALO, NY.

**Niagara Blower Company 673 Ontario St. Buffalo, NY 14207
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