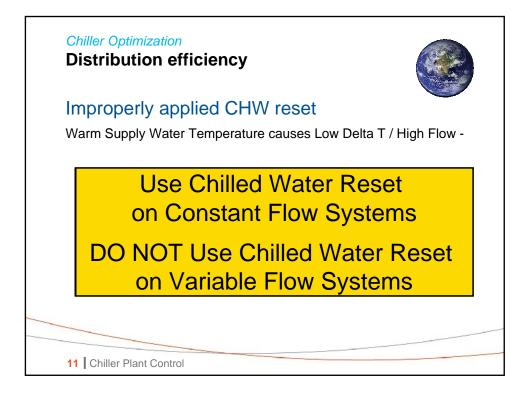
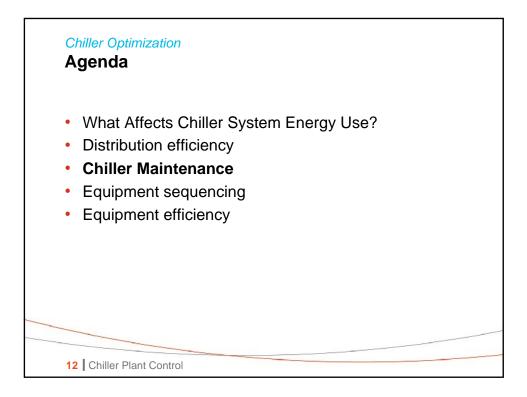
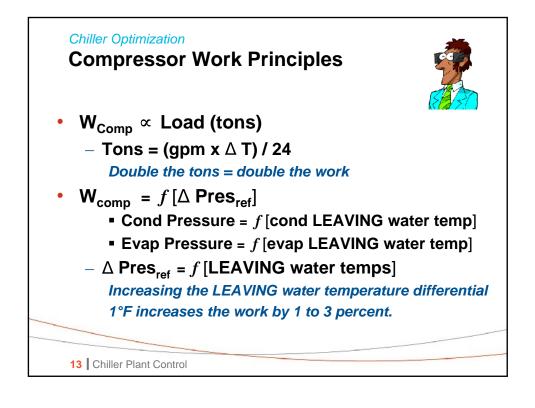


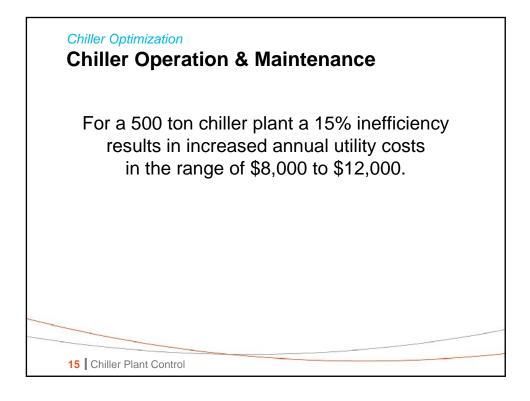
	hiller Optimiza istribution		у		
In	nproperly	applied C	HW reset		
W	arm Supply W	ater Tempera	ature causes	Low Delta T /	High Flow -
	8000 cfm C	Cooling Coil			
	Total Capacity (MBh)	Entering Water Temp (°F)	Leaving Water Temp (°F)	Delta T (°F)	Flow (gpm)
	315	40.0	56.0	16	39.36
	315	44.0	54.05	10.05	62.53
	Chiller Plant Co				

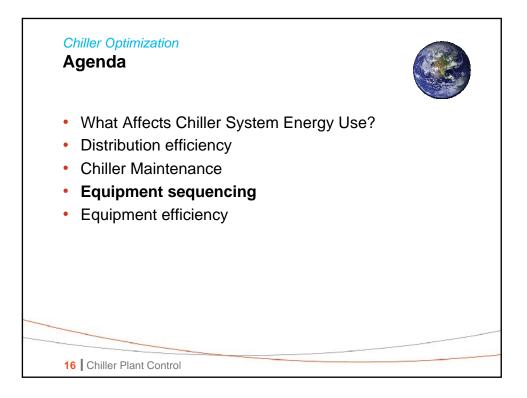


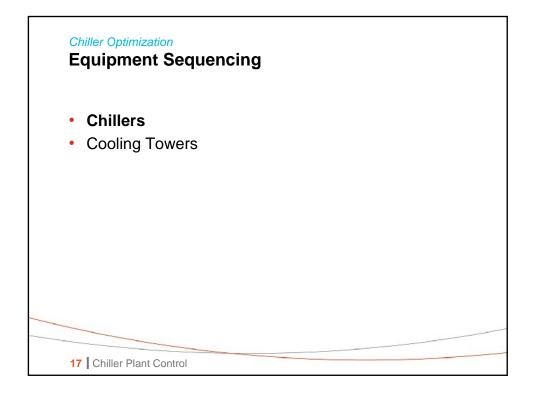


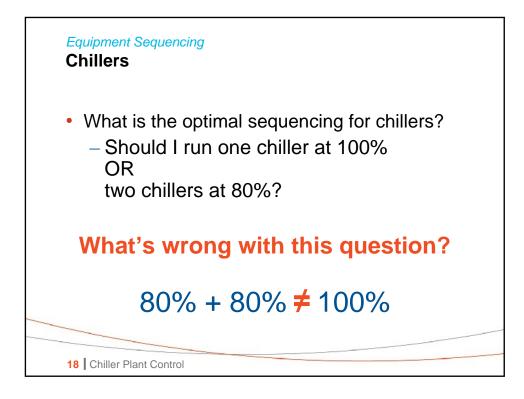


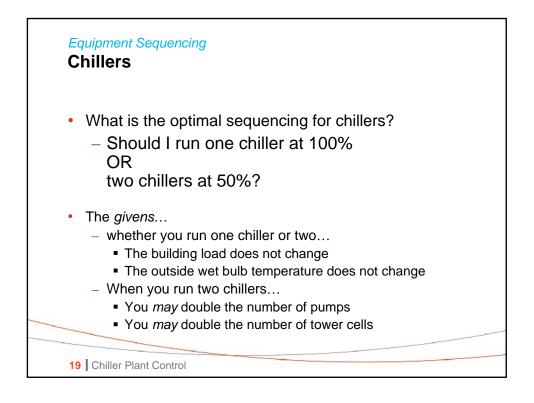
Chiller Optimization Chiller Operation	on & Mainter	nance
	Condition	Energy
in the chiller		Penalty
Cond approach	2 ∘F High	3.0 %
Cond pressure	2 psi High	6.0 %
 Evap approach 	1 ⁰F High	1.5 %
around the chiller	-	
Condenser water	1 ⁰F High	1.5 %
Condenser ∆ T	1 ºF High	1.5 %
 Evap setpoint 	1 °F Low	1.5 %
 Total losses 		15 %
14 Chiller Plant Control		

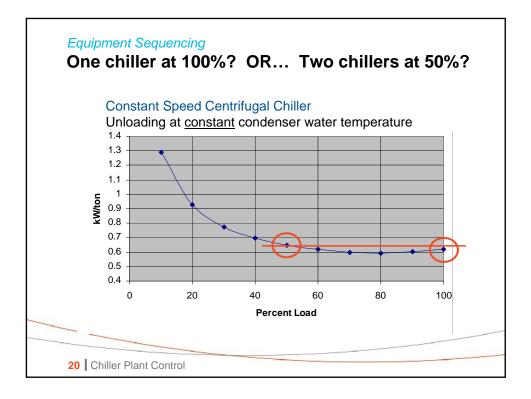


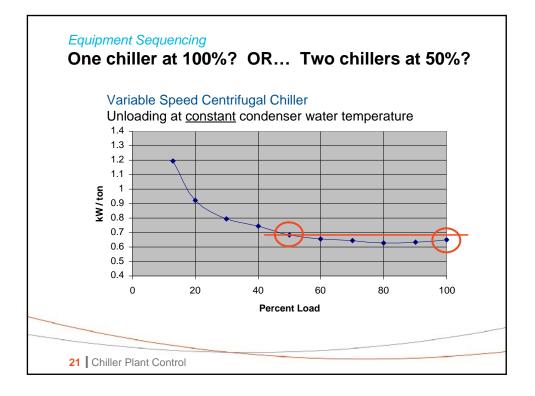


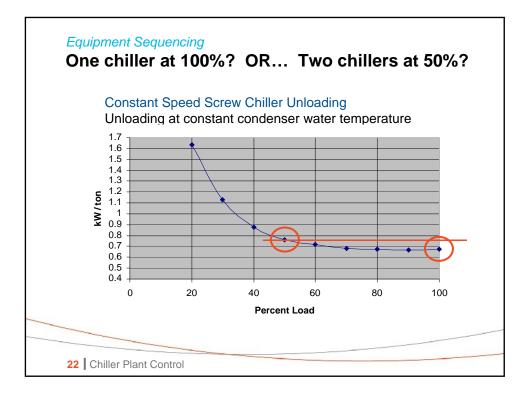


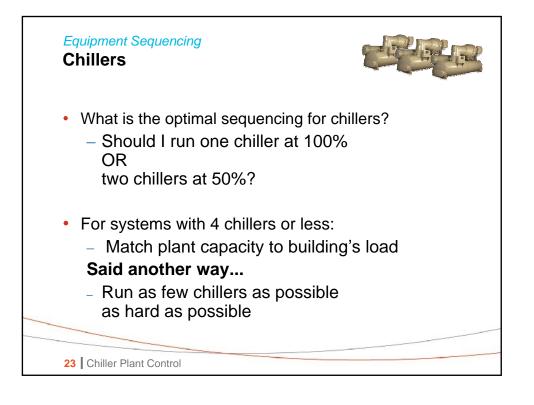


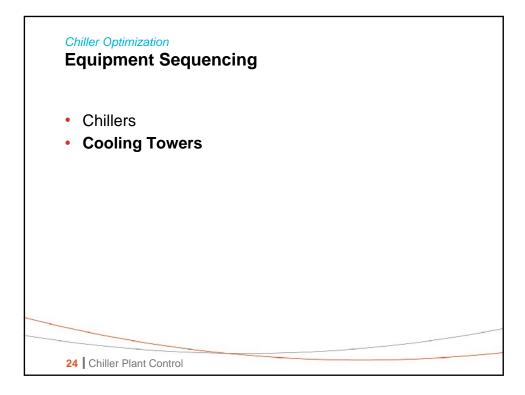


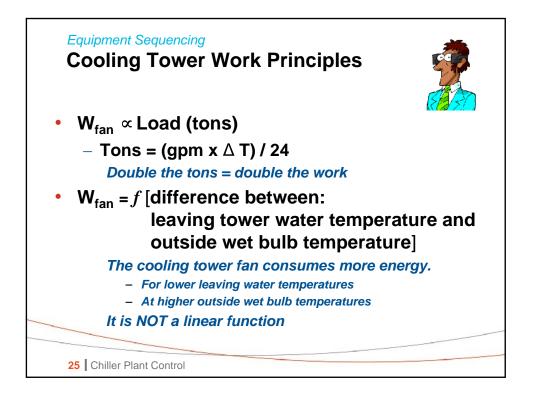


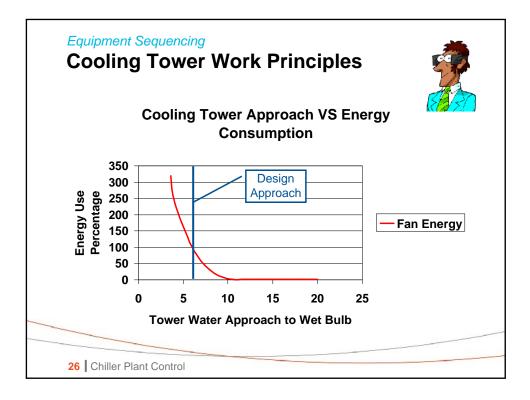


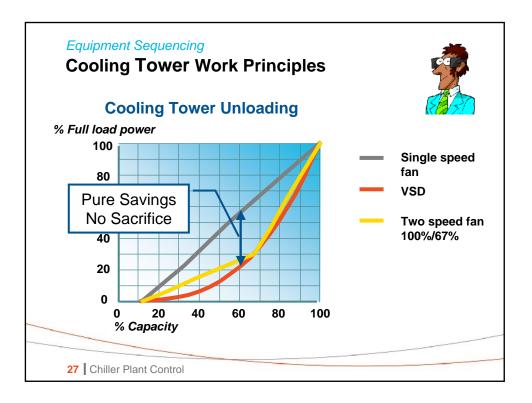


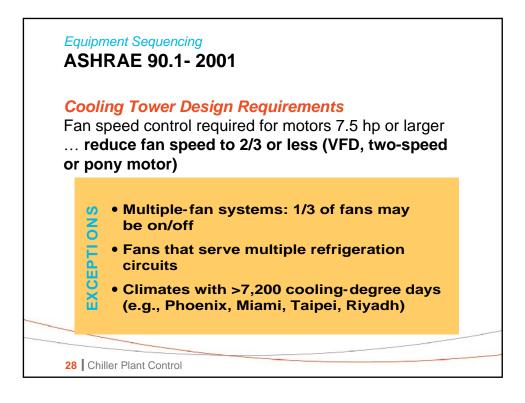


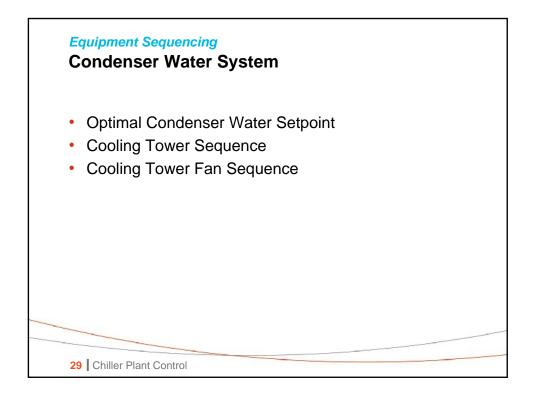


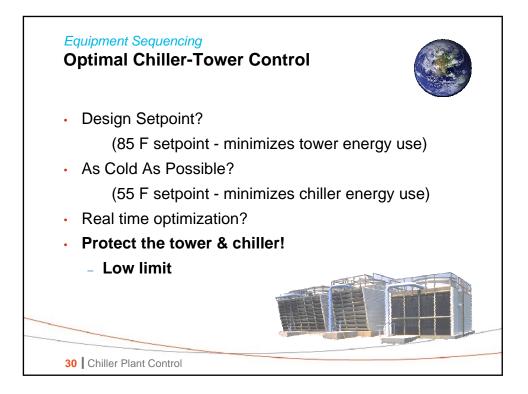


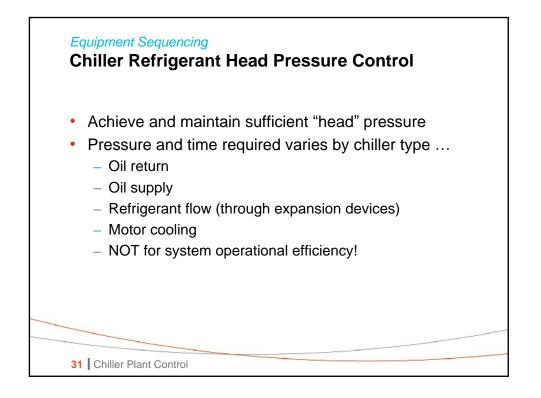


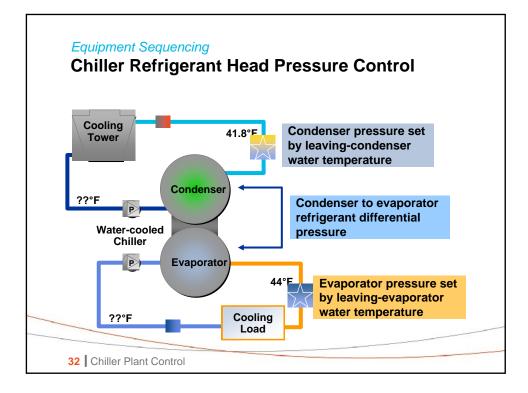


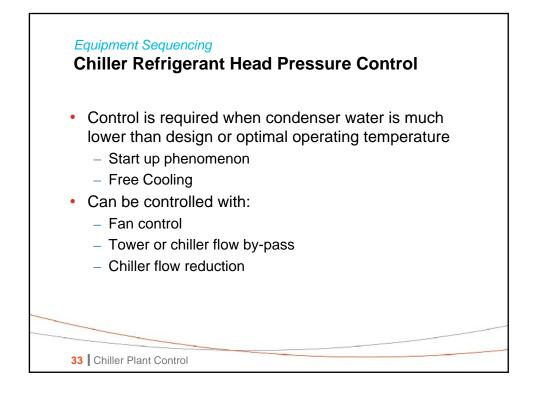


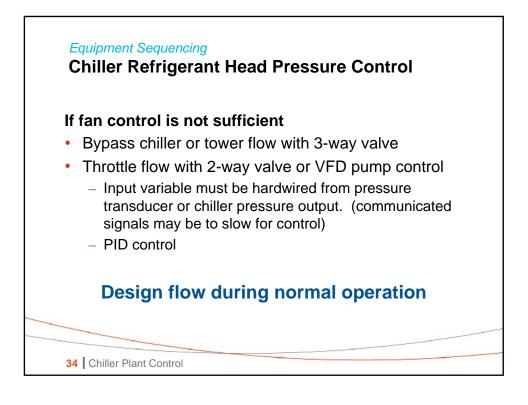


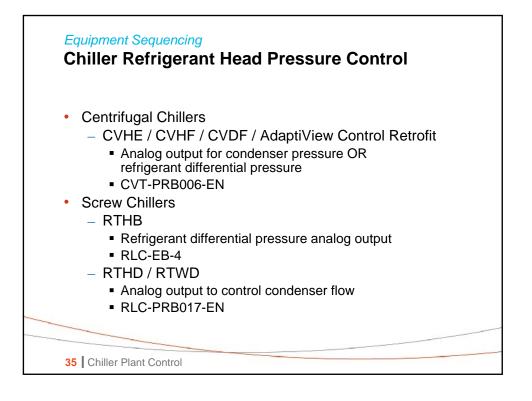


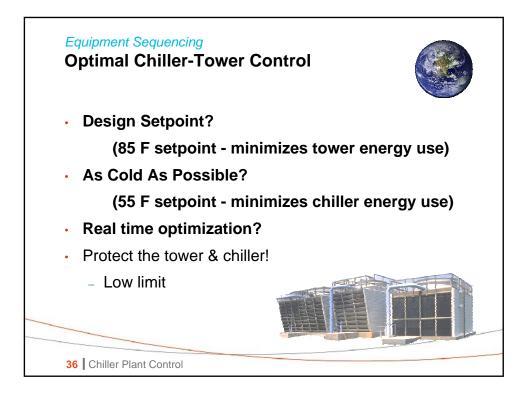


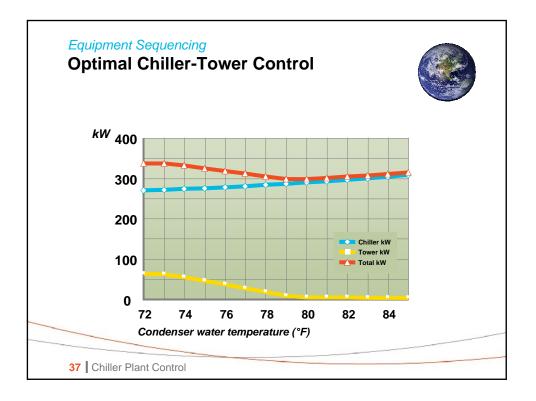


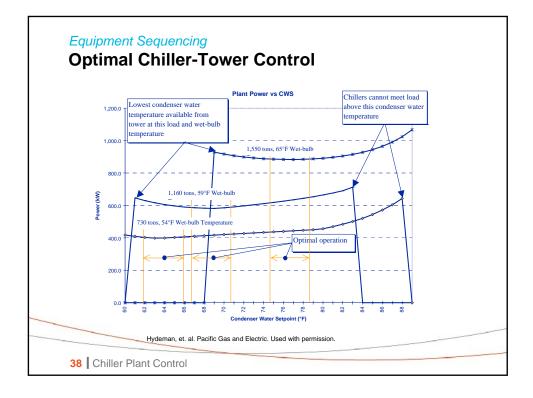


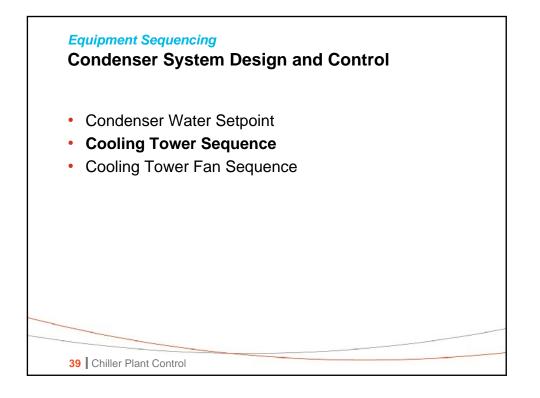


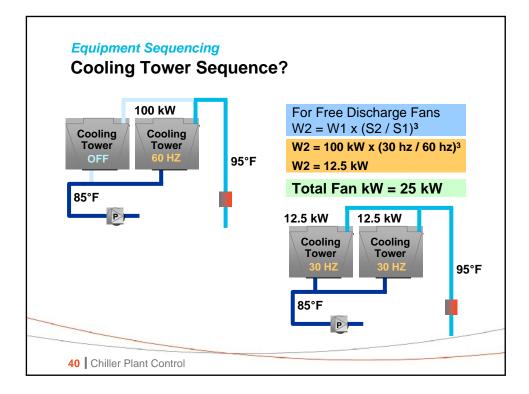












Flow500-ton chiller500-ton cooling towerDesign1000 gpm1000 gpmMaximum2469 gpm1290 gpm
Maximum 2469 gpm 1290 gpm
Minimum 449 gpm 780 gpm
Tower flow range <i>may be</i> much narrower than that of chiller

