Input = Condenser water to the chillers

Set point = It depends

* Centrifugal – reset over some range that let us run with out surging
  + Cold as we can get it with out wasting tower fan energy
  + With out creating oil control problems
  + With out creating surge
  + No higher than the chiller design (85°)
* Absorber – 80°F or higher based on the manufactuer’s spec

Outputs

* Two bypass valves
* Two tower fans

Control process – as the tower water temperature drops below setpoint

1. Reduce the fan speeds together
2. Reduce to the minimum speed recommended by the tower manufacturer
3. Cycle one fan off
4. Cycle the second fan off
5. Modulate the bypass valve from full flow to the tower to full bypass