

System Diagram Break Out 03

Given

- The design intent examples we worked through
 - The assumptions we made as we worked through the examples
 - The as installed system diagram copy in the slide that follows
1. *Develop the node analysis showing how the as installed chilled water plant would work at 75% load*
 2. *Answer the questions that follow*

Questions

Assuming full functionality and proper balancing:

1. From the perspective of the loads, is there any difference between how the as installed system serves you vs. the design intent system when operating at 75% load?
2. From the perspective of the chillers, is there any difference between the load you see for the as installed system vs. the design intent system when operating at 75% load?
3. Is the difference between the as installed piping arrangement and the design intent piping arrangement a significant issue at part load conditions?
4. How common will part load conditions be compared to design conditions?

As Installed System Diagram

- 75% load

