

10/8/2013

UI Steam Power

Minutes 10/8

Attended : Dr. Xing, Dr. Beyerlein, Scott Smith, Chad, Ryan, Donald, Chris

Agenda

- Define snapshot day deliverables
 - Block diagram in Visio
 - Boiler photo
 - PRV photo/potential turbine photo
 - Client deliverables
- EES Model
 - Additional paramaters
 - Photo of each component in the system
 - Ryan and Donald → collect data to model campus as condenser, feedwater pump, and condensate pump.
 - Has Scott gotten the boiler performance curve?
- IAC trip to plumber – Stinson lumber
 - Goals for senior design group
 - Boiler capacity
 - System pressure
 - Input pump information
 - Generator output
 - Turbine data
 - Is there a safety steam release?
- Portfolio
 - Things to include?
 - Daily minutes/Agenda after meetings

Discussed Topics:

Logbook review

- ~~Line out blank areas in the log book~~ (Beyerlein said it was not needed for Senior Design)
- Label figures and graphs
- Keep track of personal action items in logbooks
- Number your entries

Snapshot Day Deliverables:

- Estimate implementation costs within 10%
- Cost Effect Analysis
- EES figures

EES Model:

- To convert btu to watt, right click on output screen at that point
- Put EES figures on the snapshot board

Action Items:

- Send Dr. Xing what we are going to show on snapshot day by Friday. He will email us back by Saturday or Sunday with input.
- Get pump information
- Get Dr. Xing to wake up at 5 am
- Email list of questions about Plummer to Dr. Xing by 10/9. Include Plummer trip times
- Photo of each component on the current UI steam system
- Nameplate of pumps and motors