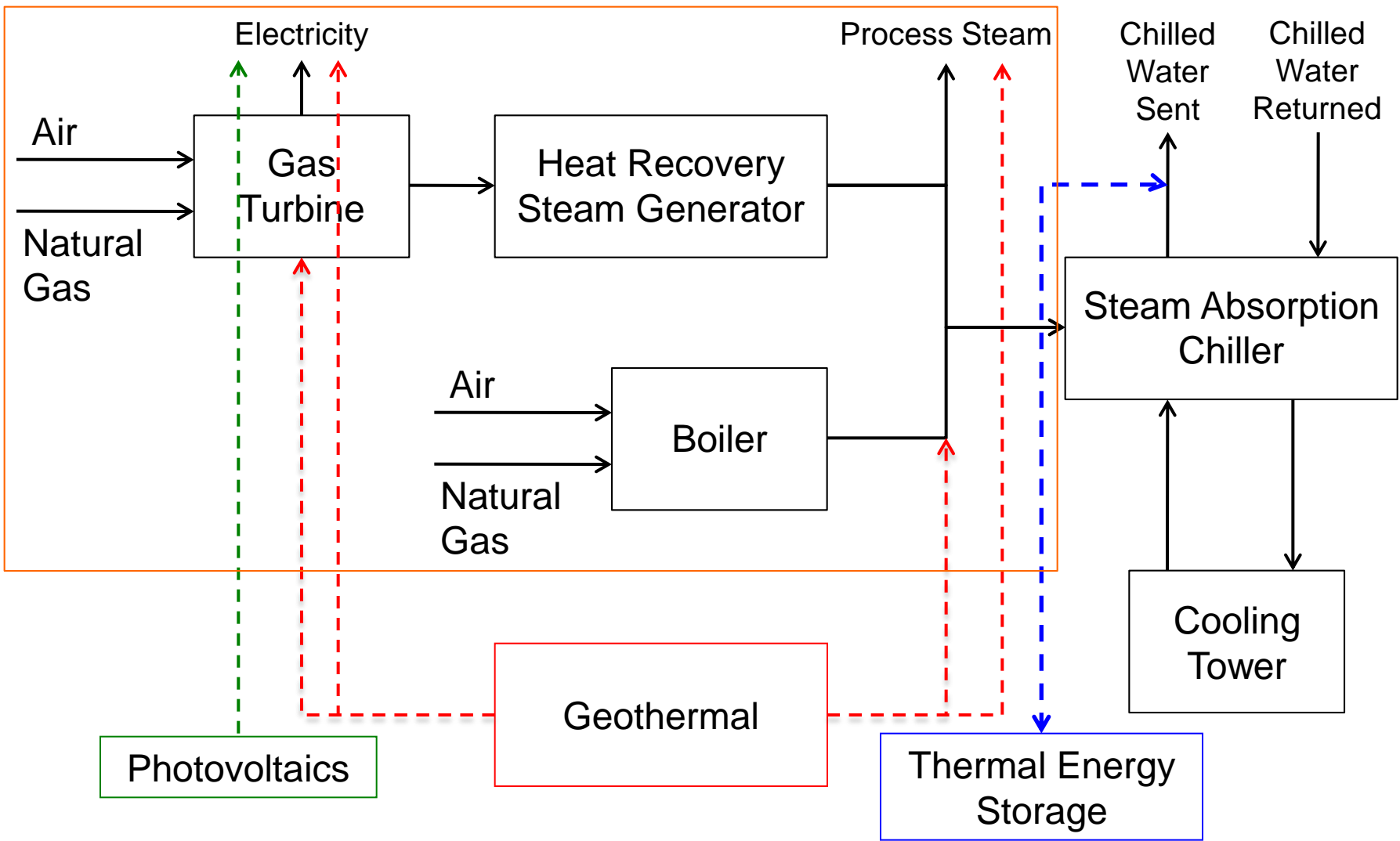


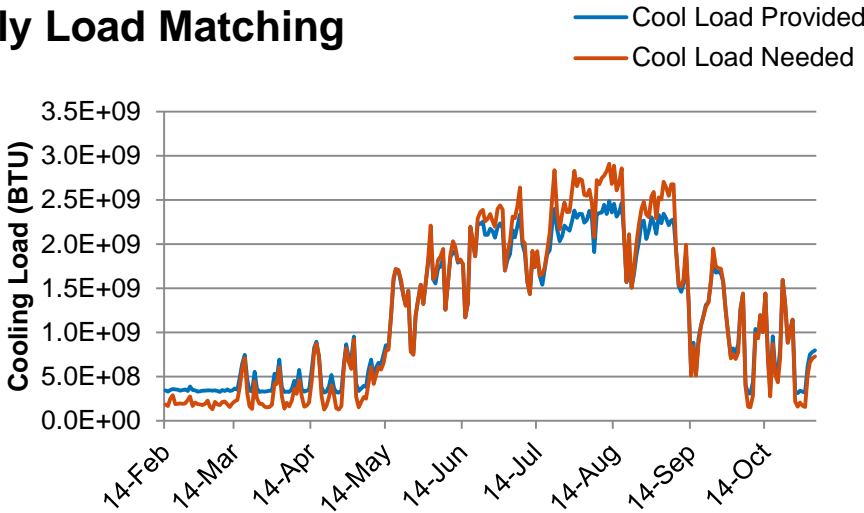
Combined Heat and Power for Residential Neighborhoods

Abigail Ondeck (Chemical Engineering)
Advisors: Dr. Thomas Edgar & Dr. Michael Baldea

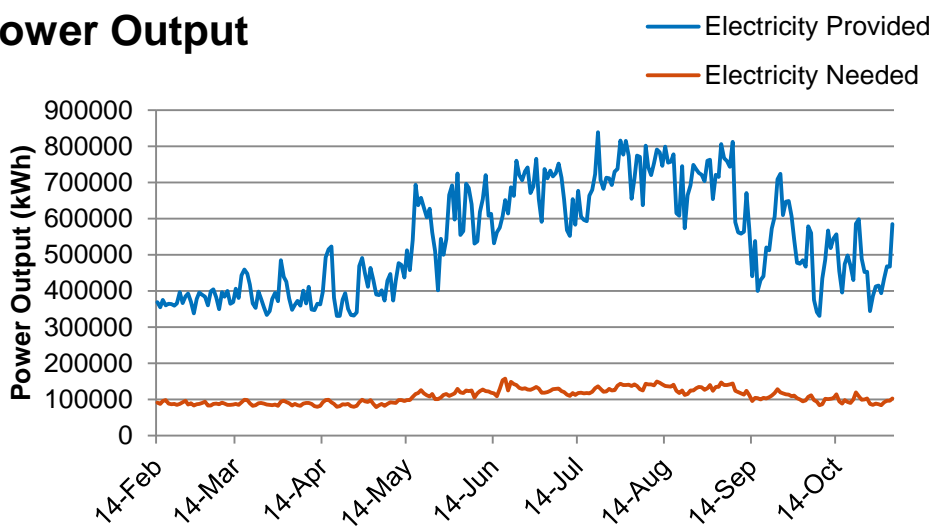


Results/Future Work

Daily Load Matching



Power Output



- ❑ Reduce electricity output to better match electricity need
- ❑ Meet cooling demands during summer months
- ❑ Improved modeling of chiller
- ❑ Inclusion of hot water production
- ❑ Incorporation of renewable energy