



## **CONCLUSION**

Throughout this report, changes were made and fully analyzed. The analysis of replacing the Steam Pressure Reducing Valve with a Non-Condensing Backpressure Steam Turbine proved to be a cost effective change. The initial costs would be much higher, however, over an expected life cycle of over 20 years, the steam turbine has potential to save more than \$20,000 a year in energy costs, not to mention to good it's doing for the environment.

The analysis of replacing copper feeder conductors with aluminum alloy AA-8000 series also seemed to be a feasible alternative. It performs as efficiently as copper, yet it is cheaper and faster to install. However, aluminum has received much criticism in the past for failed branch circuit connections. It appears that copper has proven reliable in the industry and no one wants to take the risk of switching to aluminum.

The research component of this report addressed Infection Control Risk Assessment. Information was gathered and studied in order to create a unique ICRA plan for Civista. One completed, it was compared to that of the actually ICRA plan and modifications were made. Finally, a sequencing plan was formulated to maximize the amount of occupiable patient care space while safely and efficiently completing the scope of work.