After the first year of operation, a team consisting of the owner, the energy engineer, and Powers of Arkansas embarked on a mission to reduce the overall energy costs of the new headquarters of the Arkansas Department of Environmental Quality (120,000 SF office building). Even though this facility had a LEED Gold rating, it was found after the first year of operation to have an Energy Star rating of only 39.

As part of the retro commissioning process, the implementation team, by utilizing the strength of the building automation system (Siemens), was able to analyze a significant amount of real-time data to identify deficiencies with the building operations.

The resulting solution was the development of an innovative control strategy for the VAV terminals and the associated air handling units.