MEASURABLE IMPACTS AND OUTCOMES

VAV system, but I found that a VAV 100% OA Central Plant has a 35% lower annual energy usage than a VAV Return Air Central Plant or VAV Return Air Package. window to wall ratio at only 0.16, the higher rated windows make very little impact on the performance of the building. On the other hand, both an increased r-value infiltration rate of the building envelope lead to a more significant reduction on the annual energy use, which is then further In investigating the measurable impacts, I first looked at the building construction. Through a series of simulations compared on Sefaira, I discovered that with my reduced when both are put into place. Furthermore, I was looking at the environmental impacts of the different HVAC system types. I already knew I was using a in the wall construction and reduce the



