As renewable energy penetration in electric grid increases with time it becomes more important for electric utilities to update their electric schedule rates that optimize for low emissions output. In this paper a small case study is observed where the UCR (University of California, Riverside) CE-CERT (College of Engineering,Center for Environmental Research and Technology) microgrid is used as model to simulate different TOU rate optimizations using OpenModelica. The optimizations are based off of the different electric utility rates in Southern California and are only optimized for financial benefit to the consumer. The different amounts of power and energy consumed by each rate optimization is compared with CAISO emissions data in order to see the different emission levels from the different utility electric rates on a 15 minute basis. This compares event utility rates impact on emissions. Pricing is also compared in order to see the different savings the consumer will have with the different rates. It was found that X rate had the most savings for the consumer and that Y had the lowest emissions.