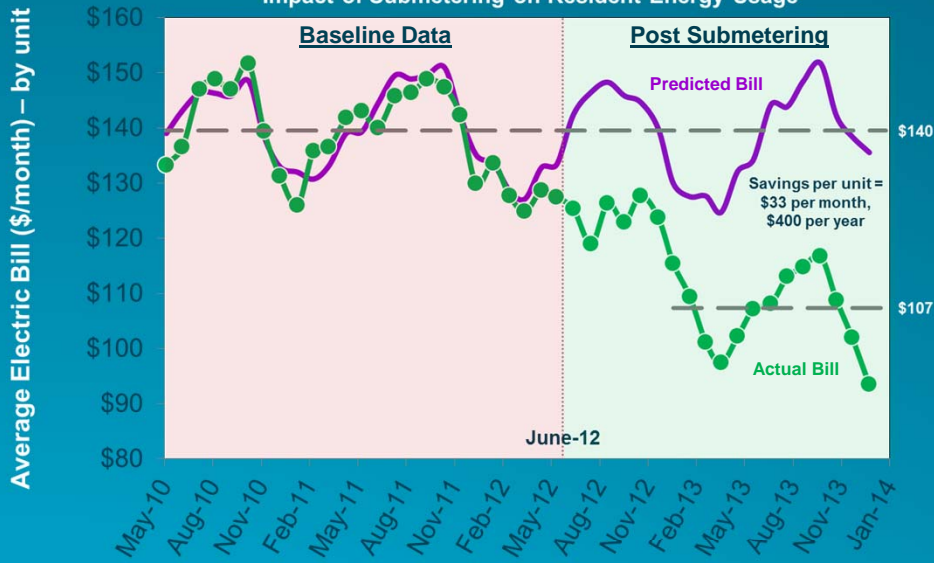


Case Study #1

Impact of Submetering on Resident Energy Usage

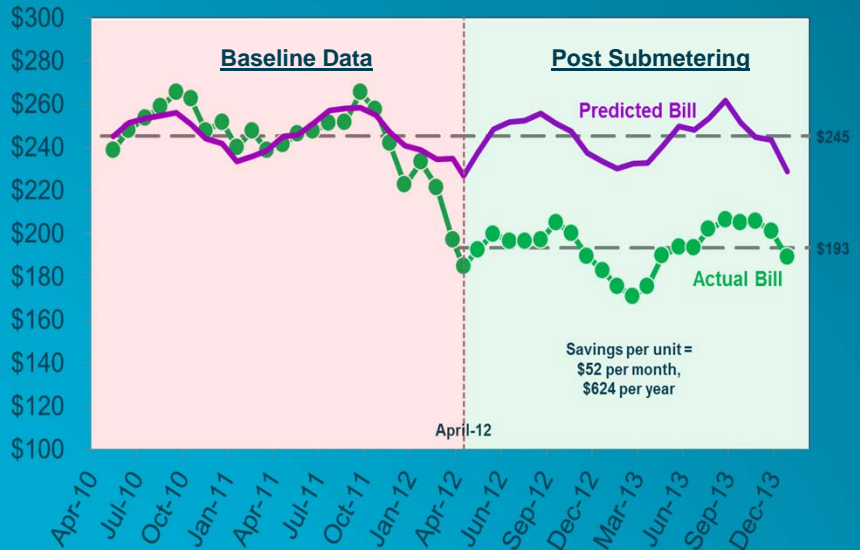


- This condo building in Honolulu has about 70 units. The common area and the amenities are minimal. However, there is a swimming pool.
- In 2012, the building owners installed a submetering system, which reduced the electric bill by about 23%.

Case Study #2

Impact on Submetering on Resident Energy Usage

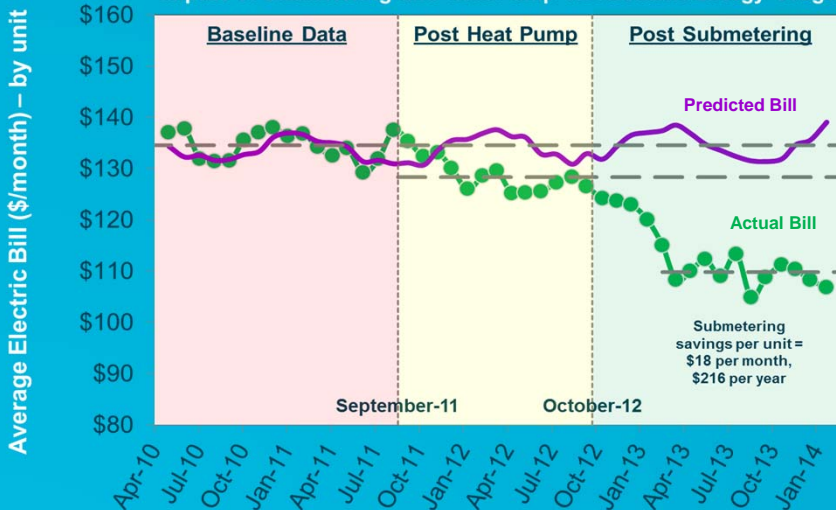
Average Electric Bill (\$/month) - by unit



- This high-rise condominium has 190 units. It has more common area and amenities than Case Study #1.
- A submetering system was completed in April 2012. Overall electricity consumption dropped about 21%.

Case Study #3

Impact of Submetering and Heat Pump on Resident Energy Usage



- This condo building in Honolulu has about 50 units. It does not have central AC or a swimming pool. The common area is relatively small.
- An old heat pump was replaced on the domestic hot water system in 2011, which resulted in a 5% reduction in overall energy consumption.
- In 2012, the building owners installed a submetering system, which further reduced the electric bill by about 14%.

