

Energy



Water

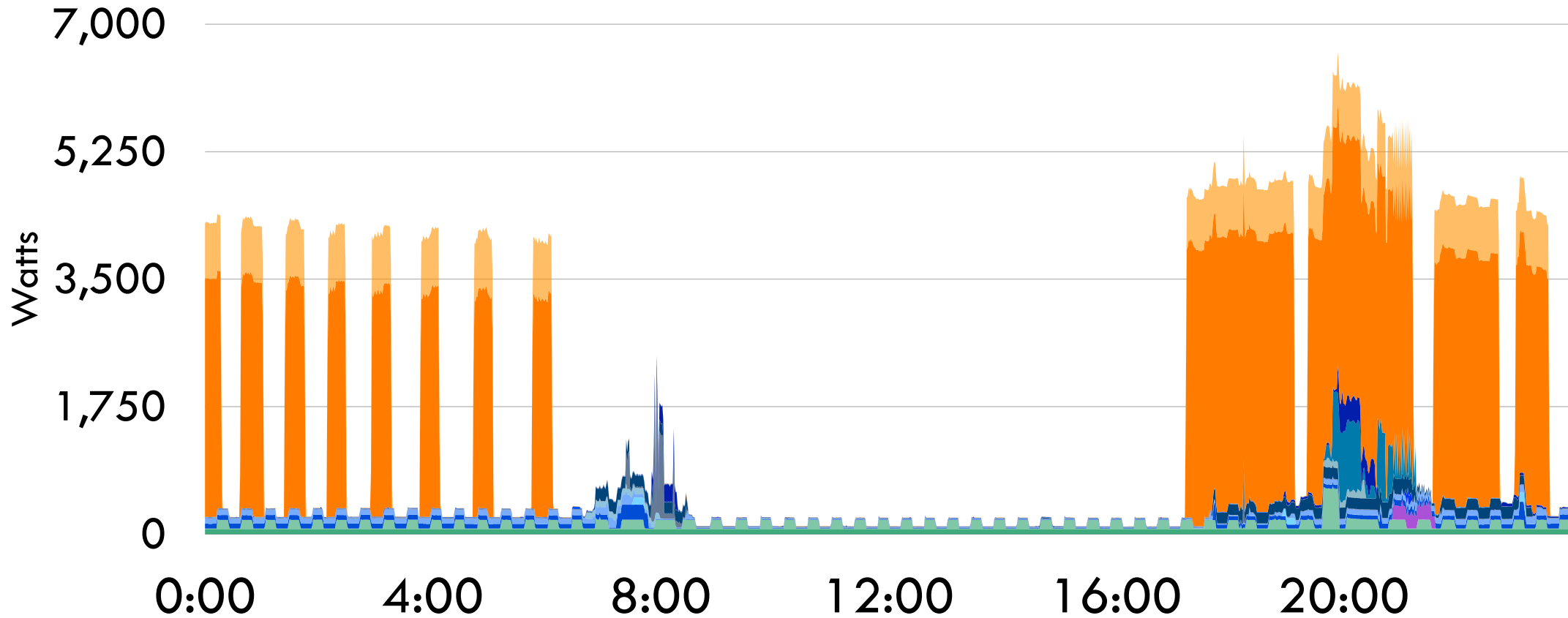


Transportation



High resolution, ground truth data

One-Minute, Circuit Level Data, Real Power



- Other
- Dryer
- Bedroom 2
- Microwave, toaster, coffee machine
- Dishwasher
- HVAC compressor
- Wi-Fi router
- Master bedroom
- Bathroom 2
- Kitchen lights
- Living Room
- HVAC air handler
- Refrigerator
- Bathroom 1
- General Lights
- Washer
- Garage

Power Quality Solar Homes

2020 Average Power Factor by Hour of Day

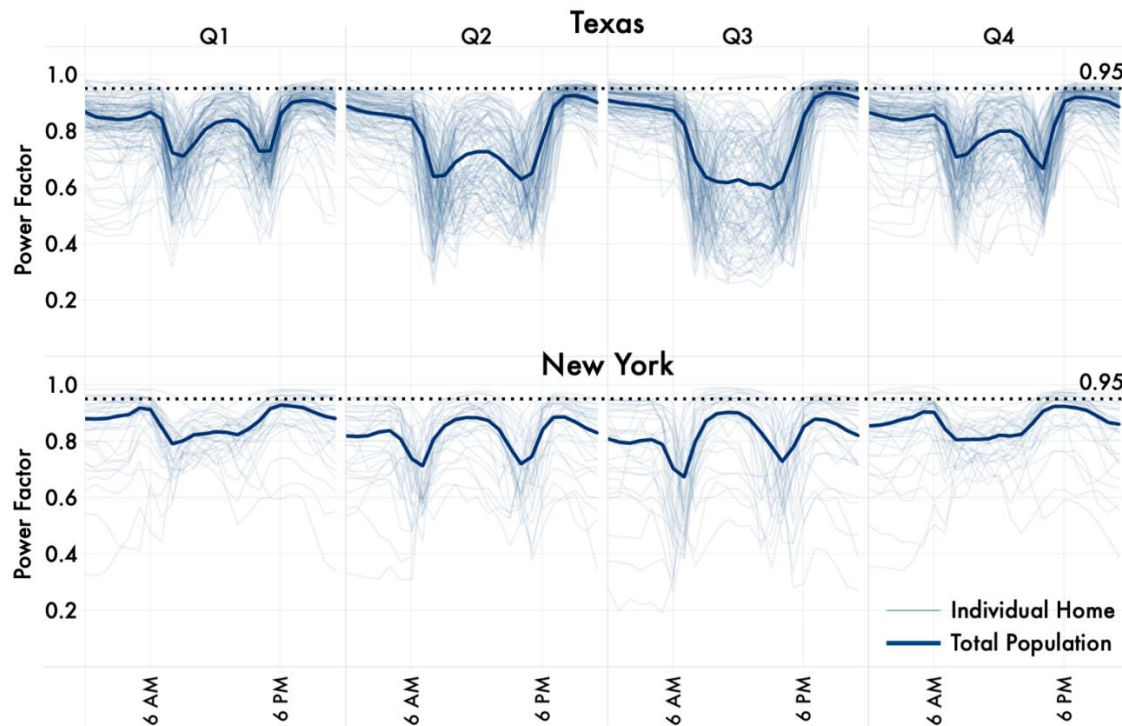
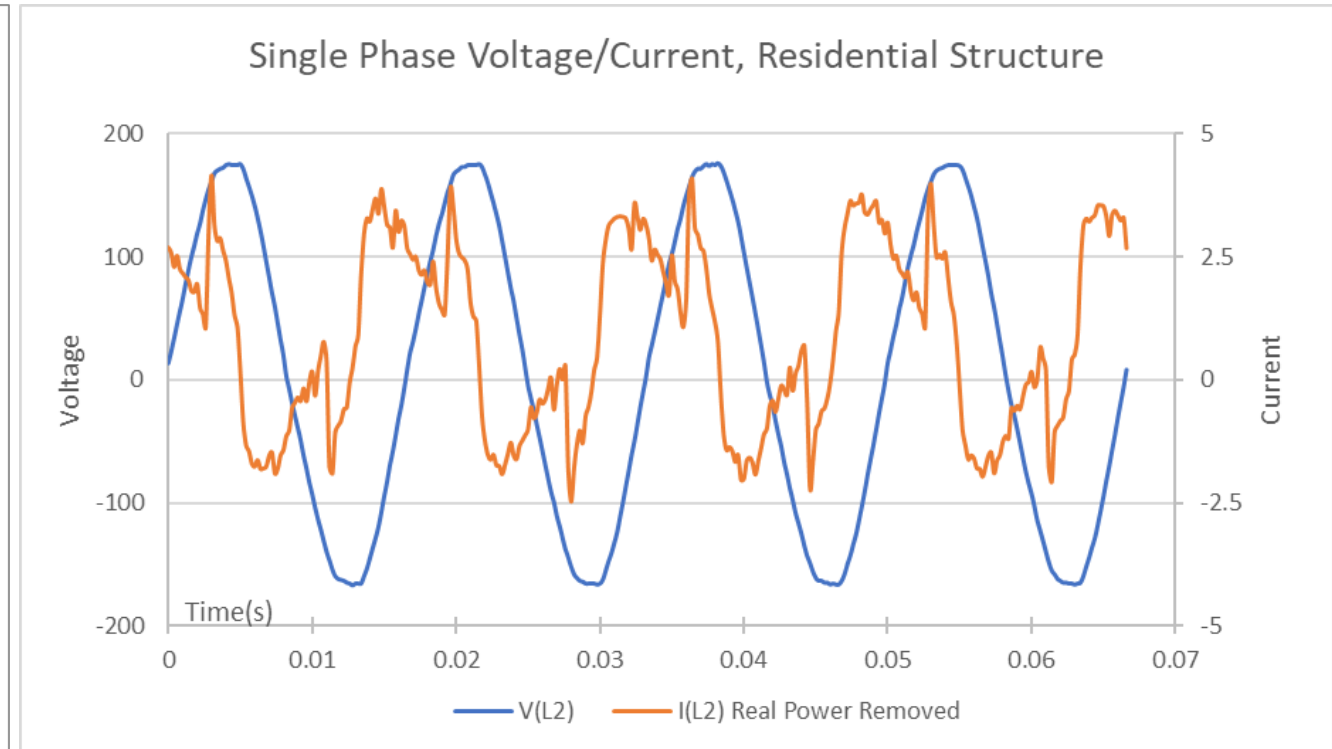
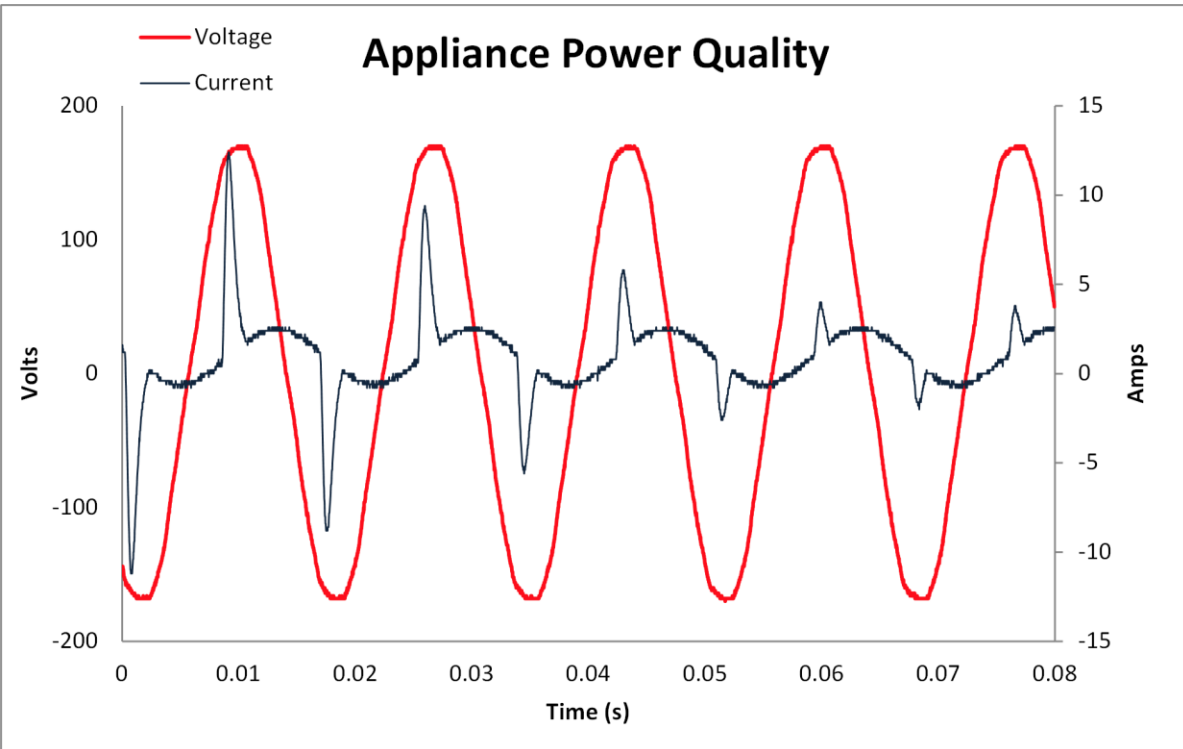


Figure 5: Average power factor by hour of day in New York and Texas Samples

Combination of existing loads and real power reduction from solar production causes total power factor to drop.

Time Domain Examples



[Scott Hinson](mailto:shinson@pecanstreet.org)
shinson@pecanstreet.org