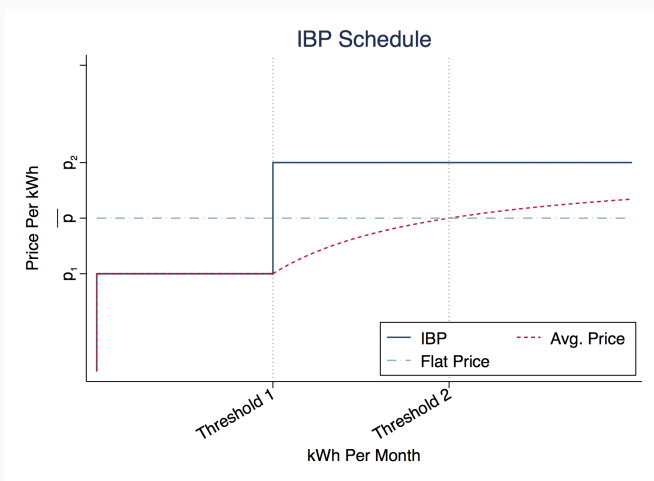


# Does Increasing Block Pricing Reduce Electricity Demand?

---

Becka Brolinson  
Georgetown University  
August 13, 2018

# Introduction



RQ: Does increasing block pricing decrease aggregate electricity consumption relative to a flat price?

## In This Paper

---

1. Monthly energy use data combined with pricing data to estimate price elasticities of demand
2. Calculate a flat price that would raise the same revenue as the current IBP
3. Compare aggregate energy use under the flat schedule and the IBP schedule.

# In This Paper

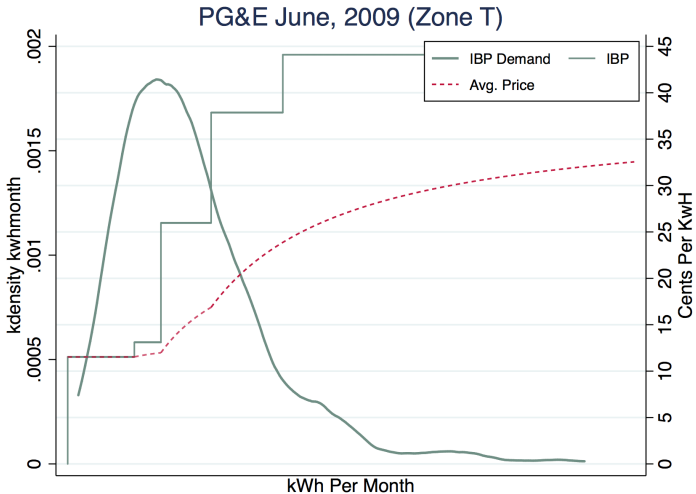
1. Monthly energy use data combined with pricing data to estimate price elasticities of demand
2. Calculate a flat price that would raise the same revenue as the current IBP
3. Compare aggregate energy use under the flat schedule and the IBP schedule.

## In This Paper

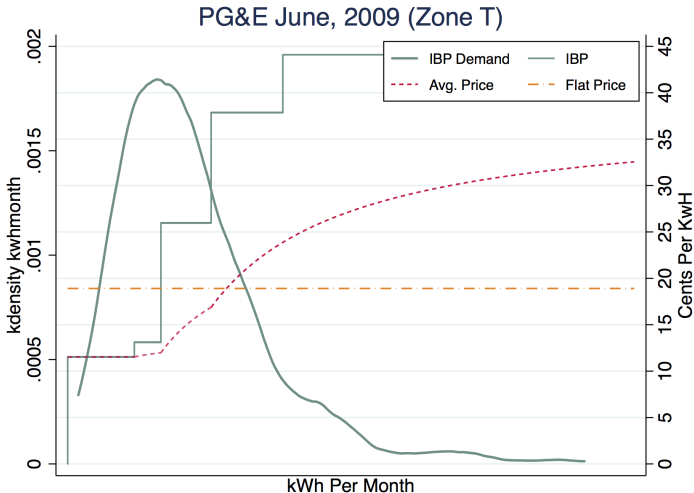
---

1. Monthly energy use data combined with pricing data to estimate price elasticities of demand
2. Calculate a flat price that would raise the same revenue as the current IBP
3. Compare aggregate energy use under the flat schedule and the IBP schedule.

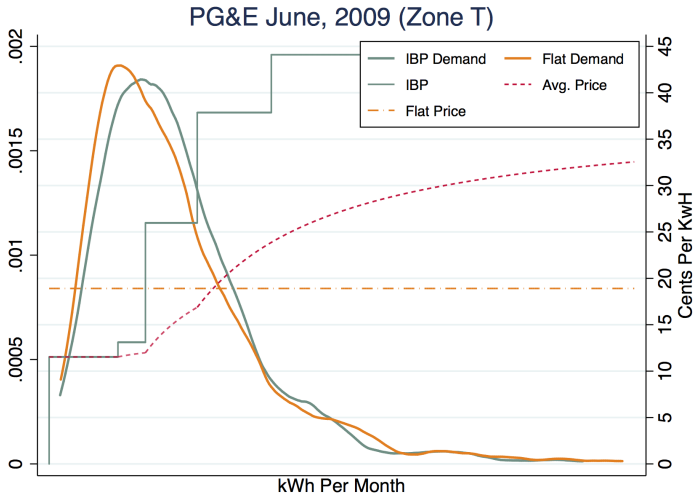
# Example



# Example



# Example





# Findings

- Higher income households are more price elastic than lower income households
- Demand increases by 0.33% for average price response
- Evidence IBP may not be meeting goal of decreasing aggregate consumption while protecting low income households from increasing energy prices