



Time of Use (TOU) as a default rate: issues and insights from the Consumer Behavior Studies

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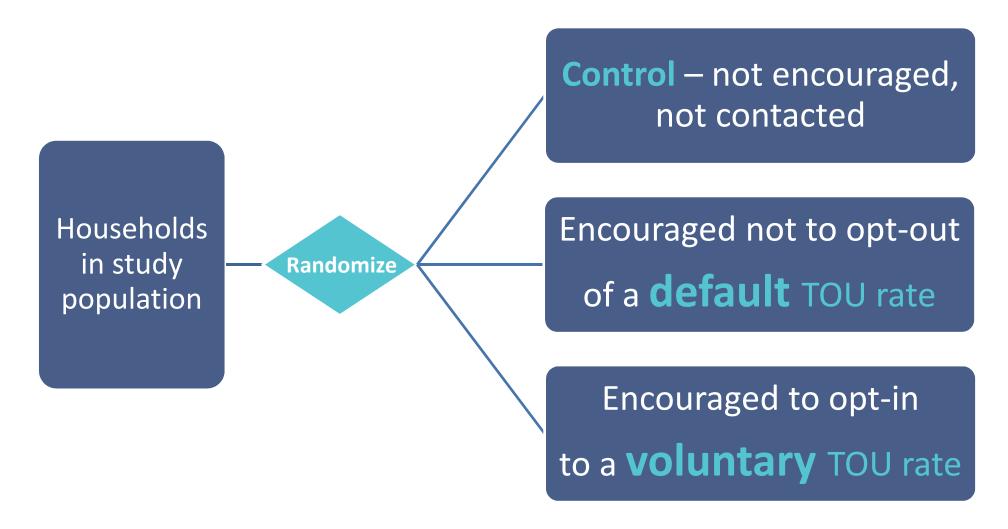


TOU as the default rate: current policy context

- California and Massachusetts have both committed to transitioning residential class to TOU as default within next several years
- Other states are beginning to have similar discussions (e.g., New York)
- Issues about at-risk populations of customers and how to make the transition successful for them

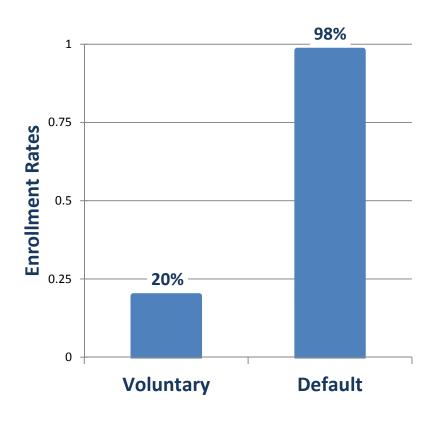


SMUD Study – a very well designed RCT→ insights into key questions





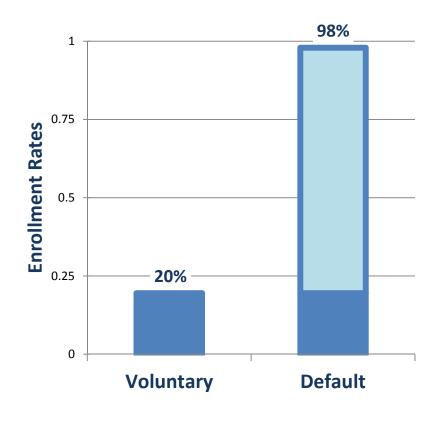
Why consider a default TOU rather than a voluntary TOU?



- Lower recruitment costs
- Higher enrollment rates
- Many extra people on TOU!



But...who are those extra people?

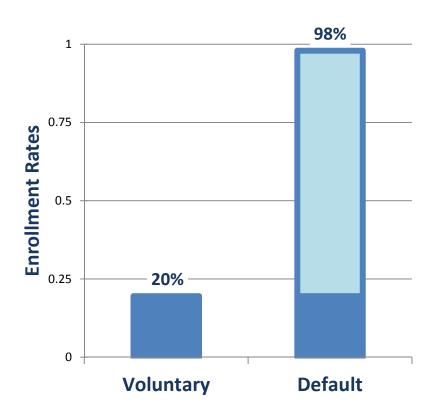


Complacents: they go with the flow

- They don't opt-out if defaulted onto TOU
- They also don't opt-in to a voluntary TOU



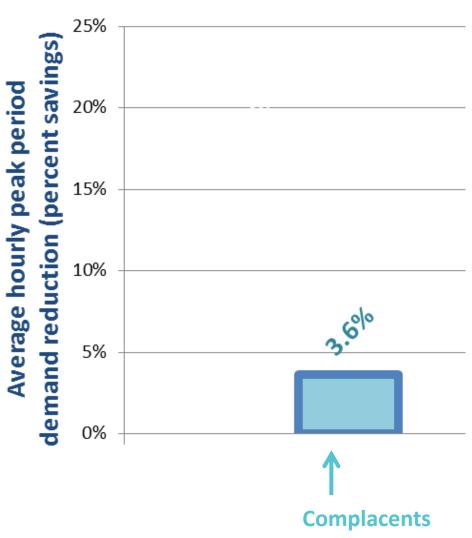
Key issues: how will the *Complacents* react to the TOU?



- 1. Will they change their energy behavior at all?
- 2. Will they find out they're on TOU and then hate it?
- 3. Are they even aware they're on the TOU?
- → Our study can provide (some) answers!



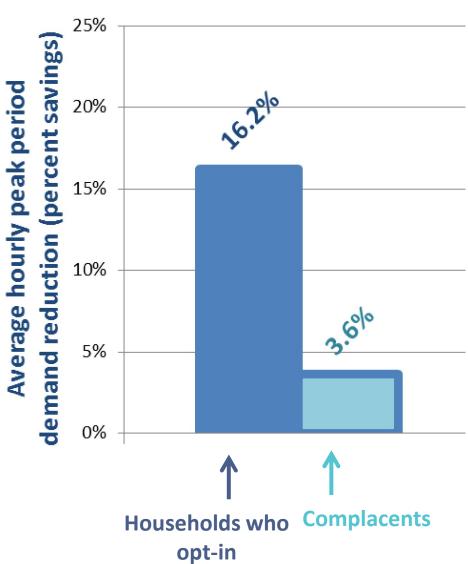
1. Will they change their energy behavior? Any load reductions? Yes!



- Complacents do reduce peak period energy
- More cost effective!
 - Many more people
 - Each responds less
 - Plus marketing costs lower



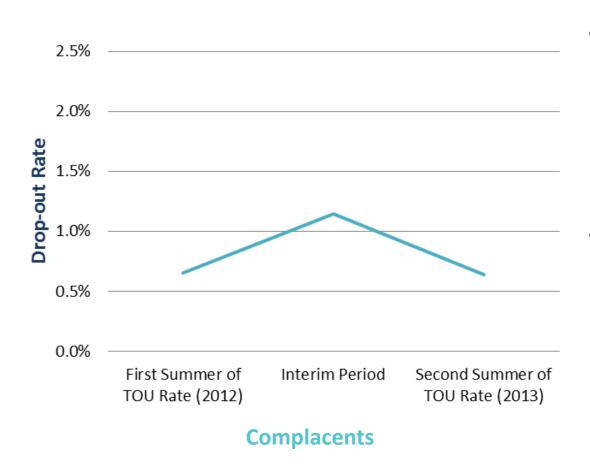
1. Will they change their energy behavior? Any load reductions? Yes!



- Complacents do reduce peak period energy, just not as much
- More cost effective!
 - Many more people
 - Each responds less
 - Plus marketing costs lower



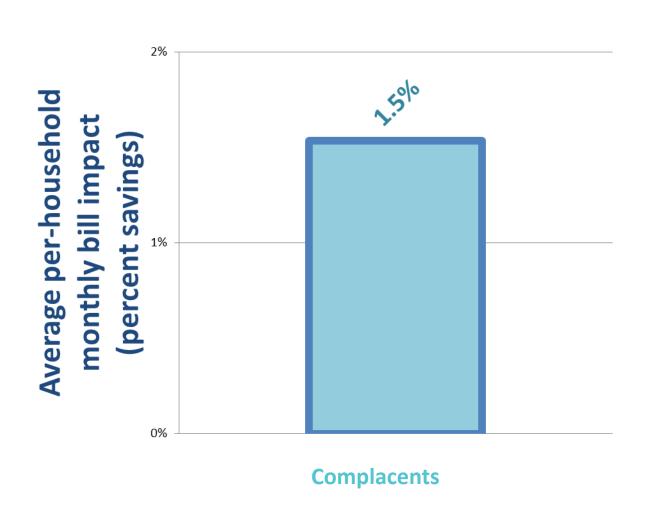
2. Will they find out they're on TOU and then hate it and drop out? **No!**



- No mass exodus of Complacents after the TOU started
- In fact, people who opted-in to voluntary program dropped out more!



3. Are they even aware they're on the TOU? Some are...but some are not



On average, Complacents:

- Reduce peak energy usage
- Save on bills
- → Some complacents are changing their behavior!



3. Are they even aware they're on the TOU? Some are...but some are not

Survey:

- Complacents are less likely to respond to survey
- For those that do respond, complacents are:
 - Less informed about what rate plan they were on
 - Less likely to recall "Welcome Back" package
 - More likely to check "neutral" box for most questions
- → Some Complacents may be less engaged, have limited attention



What does this mean for the transition to TOU as a default rate?

- Default TOU → more households enrolled in TOU
 - Extra households = Complacents
- Complacents are responsive to TOU
- Complacents don't drop out
- But, some Complacents may be unengaged
 - → Identify and connect with the unengaged
 - → Make opt-out process easy



Environmental Energy Technologies Division Behavior Analytics Providing insights that enable evidence-based, data-driven decisions

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