## **Indoor Climate Research & Training**

## Using Smart Meters to Target Efficiency Measures

Website:

icrt.appliedresearch.illinois.edu





# Proposal Idea: Develop Algorithms to Target Measures Using Smart Meter Data

- Smart meters are installed throughout Illinois
- Provide data at relatively fine intervals
- Conceptually, should be able to use pattern analysis to disaggregate end uses
- Could then identify end uses that show particularly high energy usage and target EE efforts





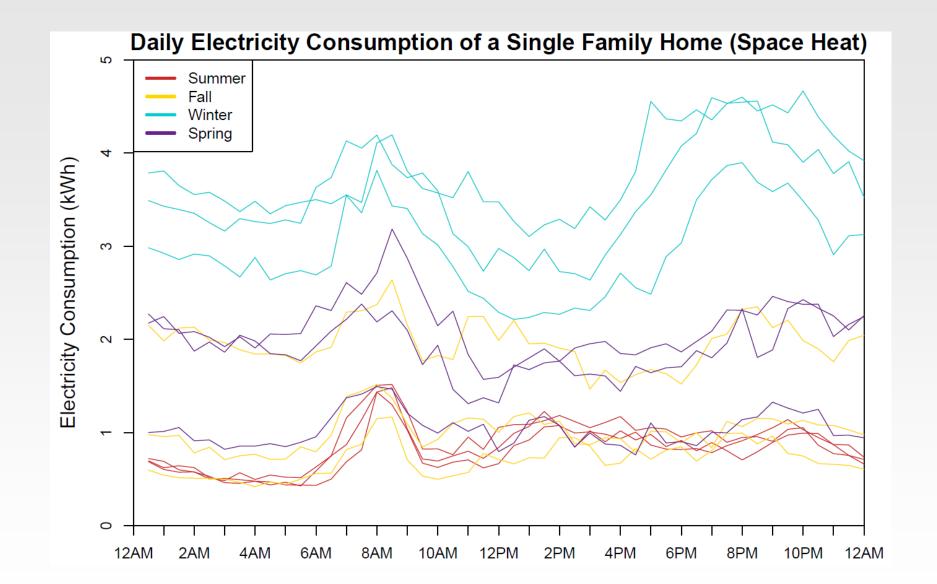
#### **Current Efforts**

ICRT, in partnership with UIUC Civil and Environmental Engineering, have gained access to ComEd smart meter data through an NDA with Environmental Defense Fund

 Have done some preliminary scoping of the potential for end use identification











#### Pilot method & costs

Primary cost is for UIUC student time. Estimated period of 3 years

▶ Total: \$300,000





## **Impact**

- Allows for targeting of time and resources
  - Reduced audit time
  - Targeting mailings/recruitment
- Delivers biggest impact to residents by targeting end uses that have biggest savings potential





### Questions?

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