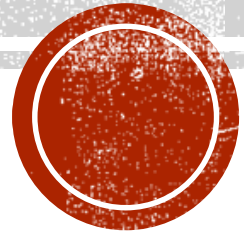
3RD PARTY ACCESS TO AMI DATA



CAN'T MANAGE WHAT YOU CAN'T MEASURE

- 3 questions. Choose which would be most socially acceptable to ask a person:
  - How many pounds of CO2 did you emit today?
  - How many kilowatt hours did you use this week?
  - How many steps have you taken today? (hint: it's this one)

- The first 2 questions are where the third was 10 years ago
  - Rewind to 2007
  - Smart phones & fitbit came along making it easy to measure exercise behaviors
  - Now this information directly influences peoples' daily behaviors


1:32
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4,946
83

DATA, DATA, EVERYWHERE AND NOT A DROP TO DRINK

- Despite smart meters being widely deployed few options exist to access the data
- One datapoint a month to a millenial is really tantamount to an informational drought
- What Illinois is doing:
  - Open Data Access Framework – recently finalized by Illinois Commerce Commission
  - Green Button Connect – recently implemented by Commonwealth Edison

WHY DOES IT MATTER?

- McKinsey quantified the savings potential of behavioral interventions at **16%-20% of total US residential energy use**. – (Heck, Stefan and Humayun Tai, 2013)
- ComEd estimates that even if energy efficient residential lighting technology is in place, there is still approximately **11 percent waste due to occupant behavior.** – (*ComEd Residential Saturation/End-Use, Market Penetration & Behavioral Study, 2013*)

- Electricity-related geenhouse gas emissions account for **70 percent of total residential emissions.** (https://www.c2es.org/energy/use/residential-commercial)

WHY DOES IT MATTER?

- AMI deployments were financed by rate payers*

- What is the public's ROI on AMI? Or what ought it be?
  - Freedom of choice
  - Access to information
  - $ Savings

- The 21st century is here to stay
  - Millenials are increasingly prevalent and they demand information

UNDERLYING POLICY

- The Illinois Commerce Commission, in its Final Order and Amended Order in **ICC Docket No. 15-0073**, reached the following conclusions:
- **Section 16-122 and 16-108.6 of the Public Utilities Act** require Ameren Illinois Company d/b/a Ameren Illinois and Commonwealth Edison Company to secure customers' interval usage data; but, with proper customer consent and authorization, the customer's usage information may be released to a non-RES third party;
- **Open Data Access Framework**, which was developed collaboratively between the Citizens Utility Board, the Environmental Defense Fund and Illinois' electric power utilities, among other stakeholders.

LANGUAGE OF SHARING DATA

- **ICC Docket No. 14-0701**
- "I, [CUSTOMER NAME], understand that [NAME OF THIRD PARTY] seeks access to my electricity usage information. This information includes my electricity usage levels for distinct time periods no longer than 60 minutes to the extent this information has been recorded and retained by [UTILITY]."
- "I authorize [UTILITY] to provide my electricity usage information to [NAME OF THIRD PARTY] solely for the purpose of: [PURPOSE]. I do not authorize my data to be used for purposes other than those I have explicitly authorized in this document. [NAME OF THIRD PARTY] may disclose my electricity usage information to its contracted third party vendors or its affiliates for this purpose only."

MILLENIALS

- As of 2016, Millennials have overtaken Baby Boomers as the largest generation in terms of population in the United States.
- 73 percent of digitally engaged consumers stated that they would trust their energy provider to share their information with other parties.
- More than half of Millenials were willing to pay for energy usage information
- Millenials make up more than 50% of US workforce and are on track to make up 75% by 2030
- Millennials are enthusiastic about energy and sustainability; engage them now.
- (Smart Energy Consumer Collaborative, *Spotlight on Millenials, 2017)*

CAVEAT EMPTOR

- The buyer is responsible for understanding the product that they purchase.
- People should know more about the energy they consume:
  - How much are they using?
  - How are they using it?
  - How much pollution is caused by their energy use behaviors?