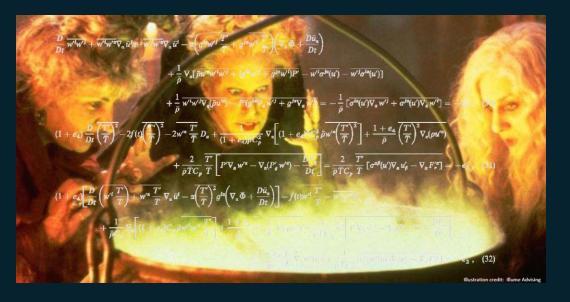
# **Evolving Evaluation: No Savings Left Behind**

Midwest Energy Solutions Conference

February 18, 2021

# Traditional evaluation is HARD...

## **MYSTERIOUS...**





- Signal/noise
- Confounding
- Baseline?
- Attribution?

...and SLOW





# Deemed savings...

...Fast and convenient





...Backed by the faith of the Technical Reference Manual



## What's new?

# New challenges





#### Mountains of AMI\* and IoT\*\* data

- more signal, less noise
- can measure demand response
- empirical savings baked into program tracking

Data ownership and accessibility Lack of pre-IoT information IoT savings fragility?

## Randomization to the rescue

- e.g. home energy reports, thermostat tuning

RCTs\*\*\* forever?
Measure life?



# The institutionalization of deemed savings







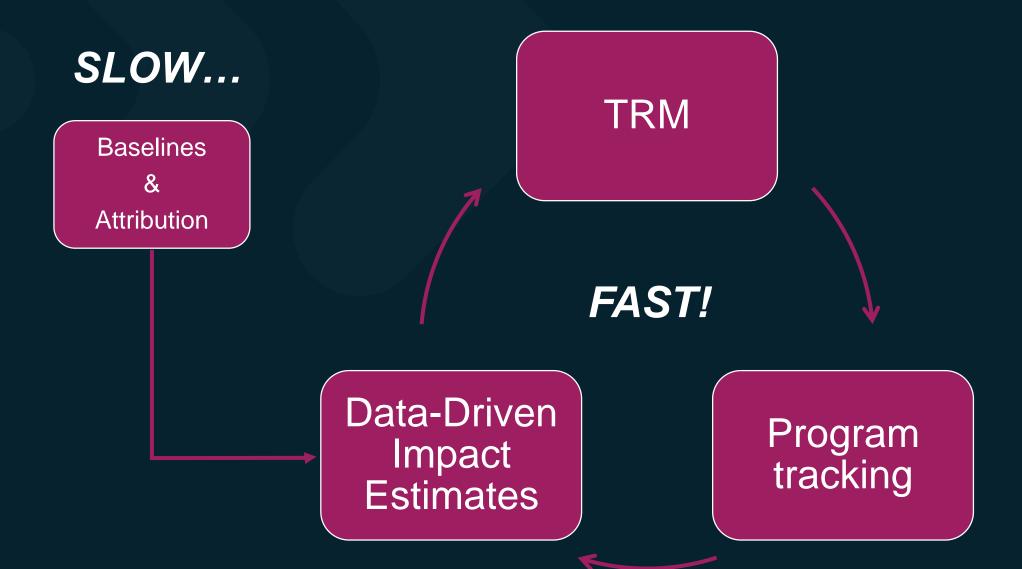
## What is the value of deemed savings outside the EE industry?



Do Energy Efficiency Investments Deliver? Evidence from the

Meredith Fowlie, Michael Greenstone, Catherine Wolfram

# Can we have both? Yes!





# Thank You!

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