



WHEN TRUST MATTERS

# The Inflation Reduction Act: Implementing the HOMES Rebate Program

IEPEC  
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# HOMES Measured Pathway

*Savings  $\geq 15\%$ . Using open-source software approved by DOE for weather-normalized energy use before and after retrofits.*

- Software: need validation process such as via test data sets
- Data: Customers or aggregators will be dependent on utilities to provide data
  - Each utility's data is messy and challenging in different ways—especially AMI data
  - Need specs on data screening and cleaning, not just weather normalization calculations
- Aggregator role—weather normalized consumption analysis can be pretty good in aggregate, can go wrong with individual homes for various reasons
  - Who will bear the risks if the savings don't meet the threshold? Do the programs protect homeowners?
- Comparison groups? What's the right baseline? What about other major changes that might happen?

Program settlement calculations are not evaluation

# HOMES Modeled Pathway

*Savings  $\geq 20\%$ . calibrated to historical energy usage for a home consistent with BPI 2400.*

- Simple calibration by scaling to annual usage can leave many end uses and savings misallocated
- Meaningful models require well informed home and equipment physical characteristics
- How will the program verify that measures were installed (effectively)?

*IRA requires State HOMES programs to implement a plan for certification to the homeowner of all residential energy efficiency retrofits*

Program settlement calculations are not evaluation