AIC EFFICIENT CHOICE TOOL NTG OPTIONS

Illinois SAG NTG Meeting #4

September 27, 2021

Current 2022 Evaluator Recommendation

- Apply program-level NTGR of 0.65 across both fuels
  - Based on evaluator judgement informed by review of existing data
  - Reflects a certain degree of uncertainty in future program performance
- We think this is the best way to move forward

Opinion **Dynamics**

Alternative 2022 Option 1 (Best Available AIC Data)

- Apply overall weighted average results from existing research to date:
  - 0.669 (electric)
  - 0.603 (gas)
- Estimates should be strong in aggregate (n>550) but subgroup sample sizes are not large enough to support assigning measure level estimates in most cases
- Data covers August 2020-June 2021 (so nearly a full calendar year), but results may not be representative of future program performance

Opinion **Dynamics**

Alternative 2022 Option 2 (Incorporate ComEd Results)

- Apply measure-level NTGRs from ComEd research for three measures:
  - 0.62 (refrigerator)
    - Current AIC estimate – 0.604
  - 0.62 (dishwasher)
    - Current AIC estimate – 0.577
  - 0.61 (electric dryer)
    - Current AIC estimate – 0.529
  - Note these measures account for only 7.8% of 2021 AIC gross electric savings and 0% of 2021 AIC gross gas savings to date
- Apply researched average AIC NTGR <u>excluding these three measures</u> for everything else
  - 0.676 (electric)
  - 0.603 (gas)

Opinion **Dynamics**

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2023 and Beyond

- By next year's NTG recommendation process, we will have:

  1. Pilot (2020) AIC ECT NTG results (August 2020-December 2020)

  2. Two waves of 2021 AIC ECT NTG results (covering a full calendar year)

  3. Wave 1 2022 AIC ECT research (likely covering January 2021-June 2021)

- Comparing these results will allow us to assess stability of NTGRs and get a full picture of a calendar year to appropriately reflect what purchase behaviors look like for a given evaluation period

- For next year's process, we will be developing measure-level NTG recommendations based on only AIC data wherever possible

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AIC ECT NTG Results to Date

Measure	Wave 1 (Aug. 2020 – Dec. 2020)	Wave 2 (Jan. 2021 – June 2021)	Electric - Combined	Gas - Combined
LED Lighting	*	0.758	0.758†	
APS	0.680	0.733	0.693	
Advanced T-Stat	*	0.628	0.628†	0.628†
Air Purifier	0.650	0.756	0.728	
Air Conditioner	0.468	0.619	0.596	
Dehumidifier	0.503	0.597	0.586	
Dishwasher	0.464	0.680	0.577	
Refrigerator	0.547	0.650	0.604	
Freezer	0.490	0.682	0.561	
Clothes Washer	0.530	0.471	0.494	0.494
Electric Dryer	0.518	0.542	0.529	
Electric WH	0.675	0.750	0.739	
Gas WH	0.571	0.454		0.467
Weighted Avg. (Elec)	*	0.710	0.669	
Weighted Avg. (Gas)	*	0.512		0.603

* Values should be disregarded as research likely included a significant share of measures that received incentives through other AIC programs

† Uses Wave 2 results only

Opinion **Dynamics**