SPEER - September 14, 2023

Carmen Best, Chief Policy Officer

REPORT
CARD

10 000008
TYPE C2SODL2 CL200 FM2S 1.0Kh
240V 3W CA0.5 TA 30 60Hz

Home Energy Rebate Programs Guidance

Office of State and Community Energy Programs

3.1.1.1. Measured Home Efficiency Rebates

Four key pieces of information enable the rebate calculation

When a State allows rebates using a measured savings approach, the State must calculate rebates based on:

*(1) the reported **energy savings** measured through a DOE-approved open-source advanced M&V software,*

*(2) household **income** level,*

*(3) total **project cost** reflected in the final invoice or a payment rate as defined in Table 3, and*

*(4) **home type** consistent with the definitions in sec. 2.1.*

Resource Planning

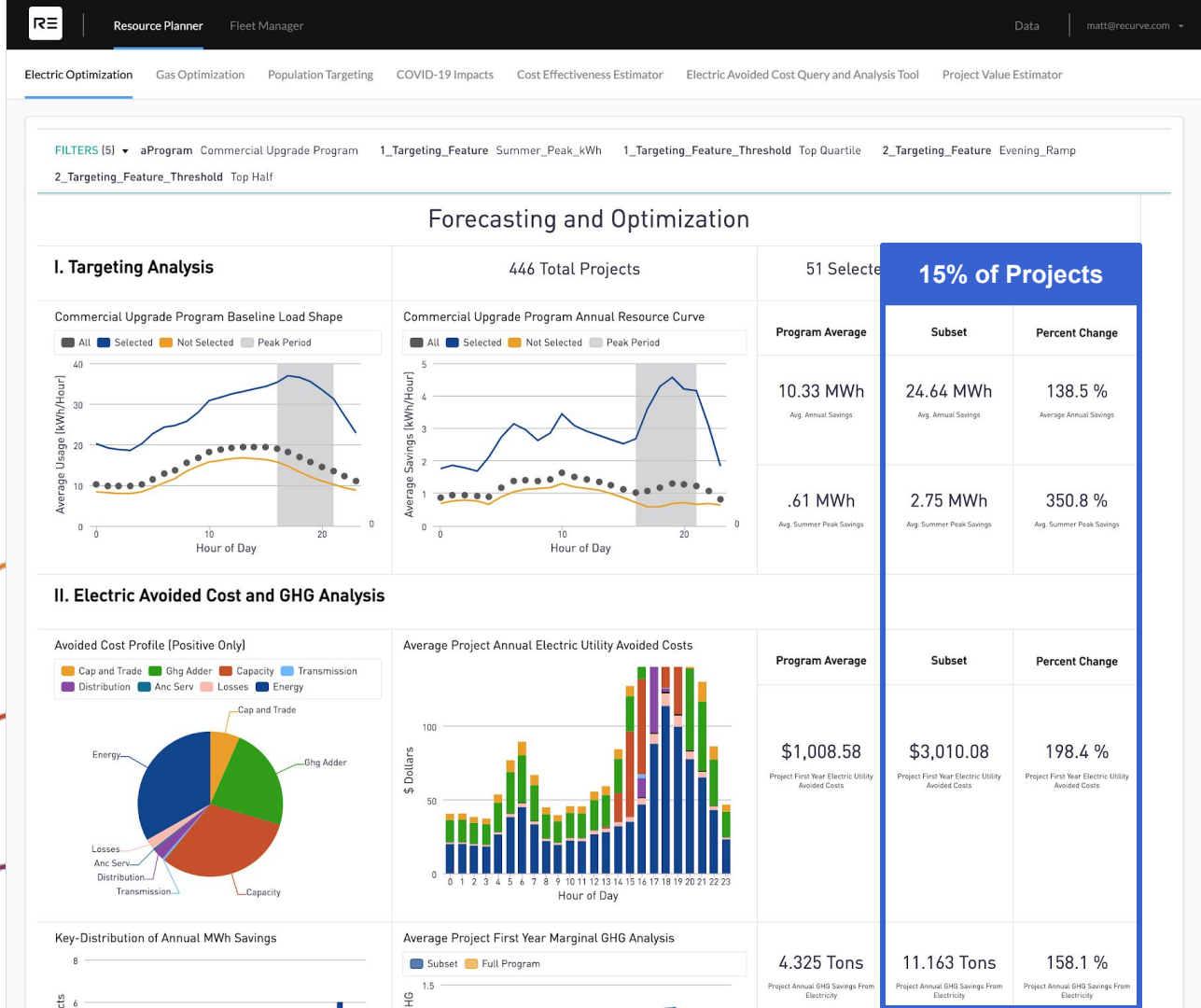
Targeting the top performing 15% of projects lead to:

- 2.5x energy savings
- 4.5x peak reduction
- 3x grid value
- 2.5x GHG savings

[Link to ComEd report]

RECURVE

© Recurve Analytics Inc. 2021 | Privileged and Confidential



3.1.1.1. Measured Home Efficiency Rebates

Pay for Measured Savings based on Monthly Payable Rate

Incentive Rate by State

State	**TX**			
Total IRA HOMES State Distribution	**$346,022,980**			
Avg. Annual Household kWh	**13,583**	kWh	**52%**	Electric Energy
Avg. Annual Household Therms	**433**	Therms	**48%**	Gas Energy
Avg Annual Household Total	**26,278**	kWh		
$/kWh Equivalent Payment Rate	**$0.38**	kWh	Market	
$/kWh Equivalent LMI Payment Rate	**$0.76**	kWh	Low Income	
$/Therm Payment Rate	**$11.15**	Therm		
$/Therm LMI Payment Rate	**$22.30**	Therm		

$$\text{Incentive Rate} = \frac{\textbf{\$2,000 or \$4,000} \text{ (LMI)}}{\textbf{(20\% * Avg. State Res Energy Usage)}}$$

Market Rate pays up to 50% of project cost and upto 80% for low income.

Rebates paid for homes or a portfolio of homes that achieve measured energy savings of at least 15%

Link to Access Calculator

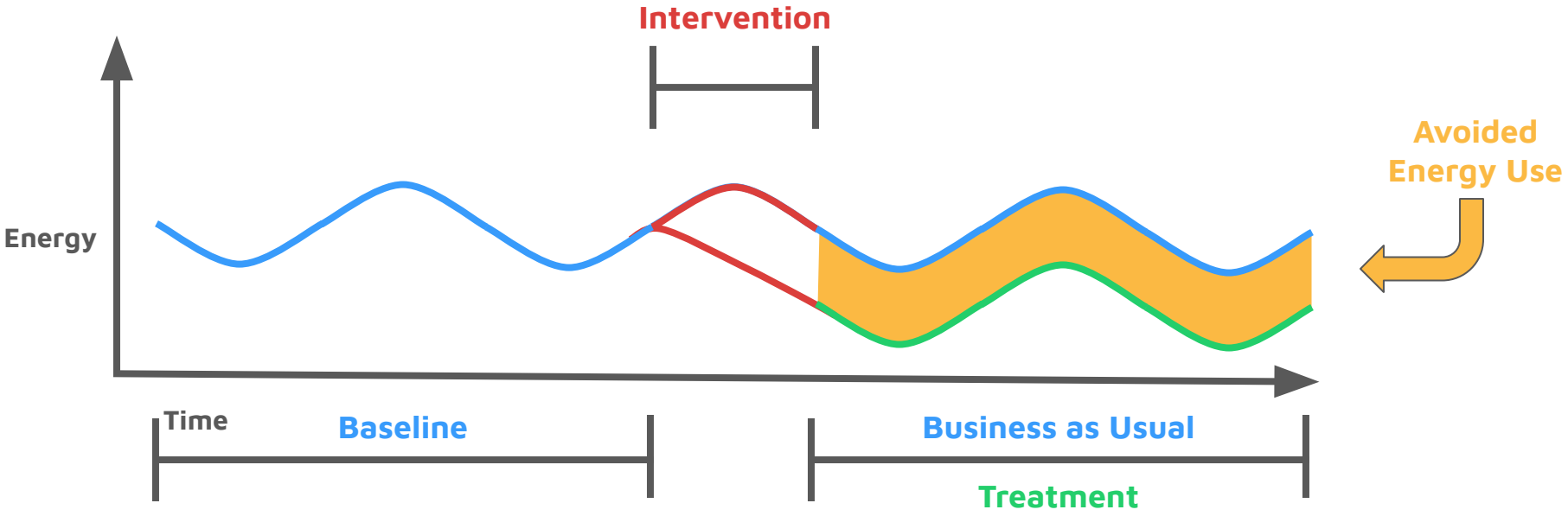
3.2.4.2 Calculating Measured Energy Savings

Key Expectations & Requirements

- *Uses **open-source advanced M&V software** as approved by DOE that includes capabilities for determining and documenting **weather-normalized energy use** of a home or portfolio of homes **before and after** the implementation of home energy upgrades.*
- ***Defines, calculates, and reports** energy savings for the purposes of the rebate threshold as kWh or kWh equivalent as defined in Section 2.1.*
- *Calculates **actual** home- or portfolio-level savings **no less than 9 months** after the final installation in the home or portfolio* [to ensure capturing seasonality]
    - *If aggregators are providing rebates based on estimated savings, **the risk of recovering costs based on actual reported savings** must be borne by the aggregator.*
- ***Collects and reports the data** and information required in the Data & Tools Requirements Guide.*

Open-Source Advanced M&V at the Meter

Accurate methods and publicly available code



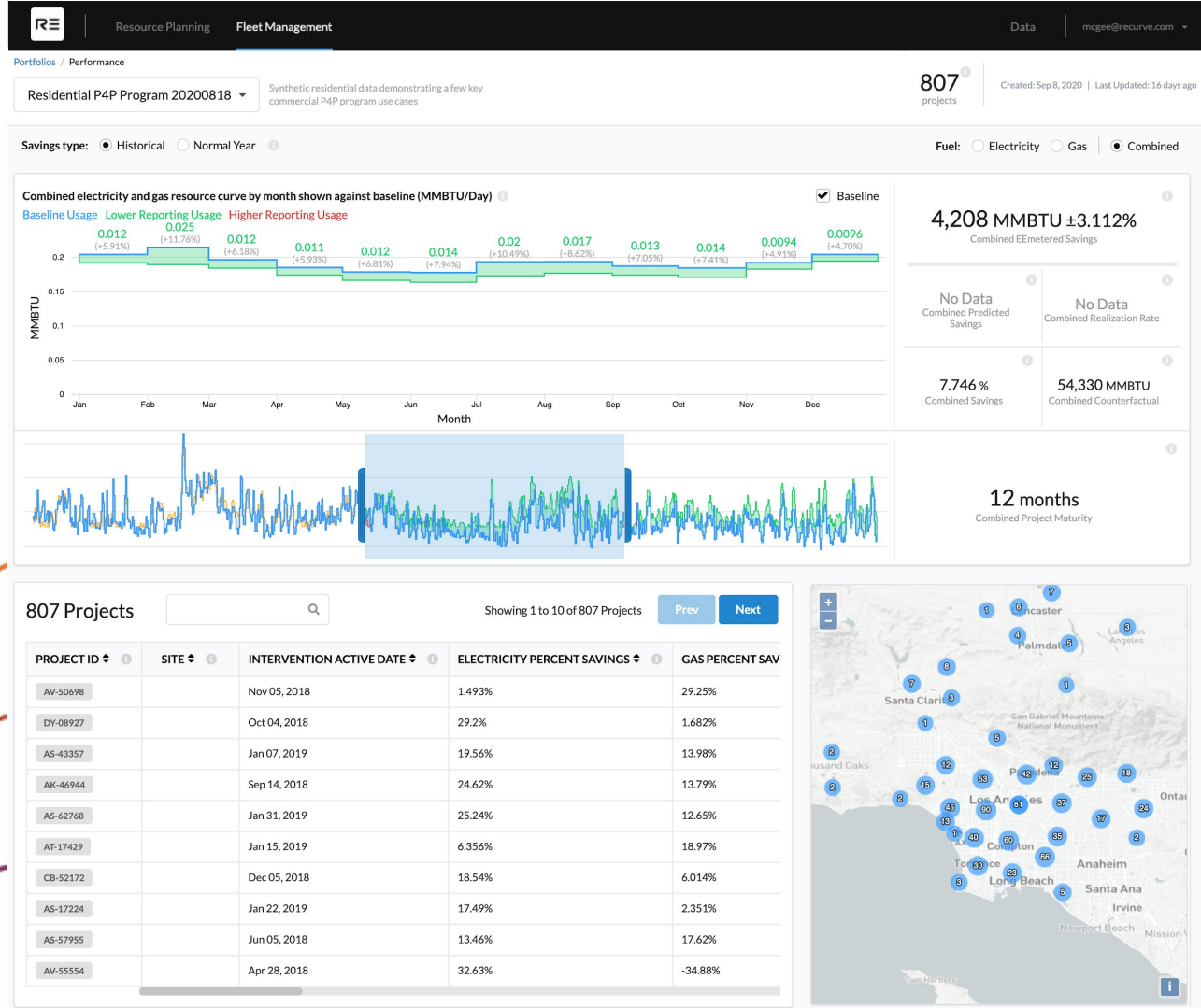
LF ENERGY
OPENEEMETER

© Recurve Analytics Inc. 2021 | Privileged and Confidential

Track & Monitor Performance

Site-level metering and analytics for every project in a portfolio

- Optimization
- Channel management
- Reporting / Audit Trail

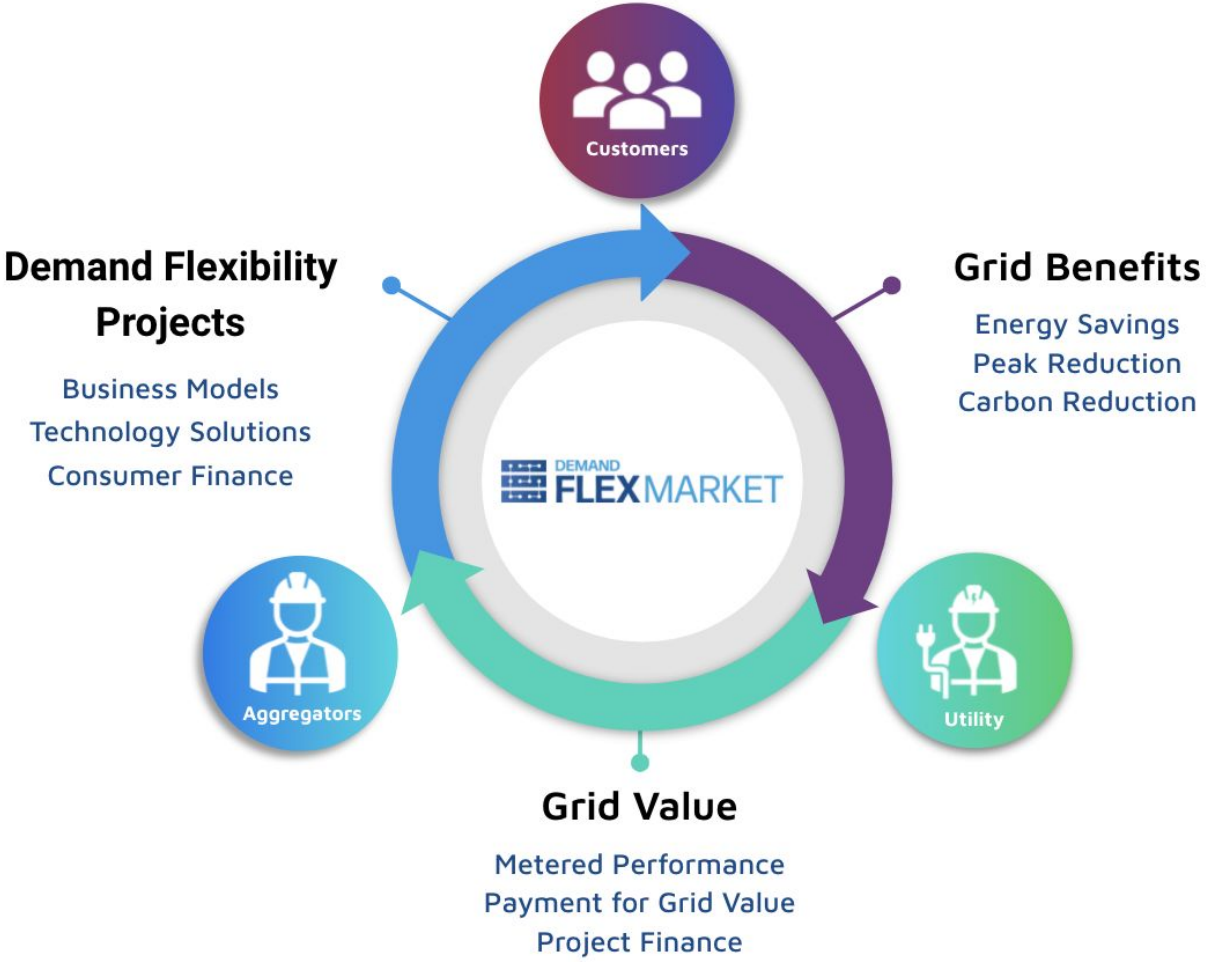


RECURVE

© Recurve Analytics Inc. 2021 | Privileged and Confidential

Actionable Intelligence

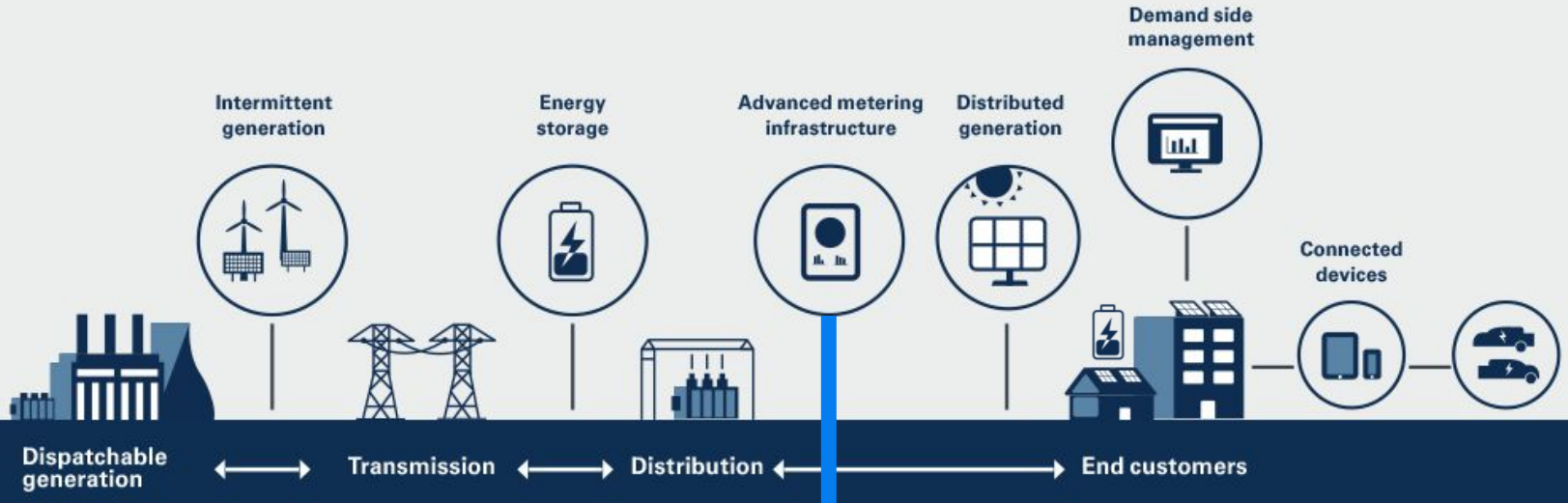
Positive Feedback for optimal performance



RECURVE

Leveraging All Resources for A Reliable Future

Supply = Demand



Supply: Energy Resources

Demand: Load Modifying Resources