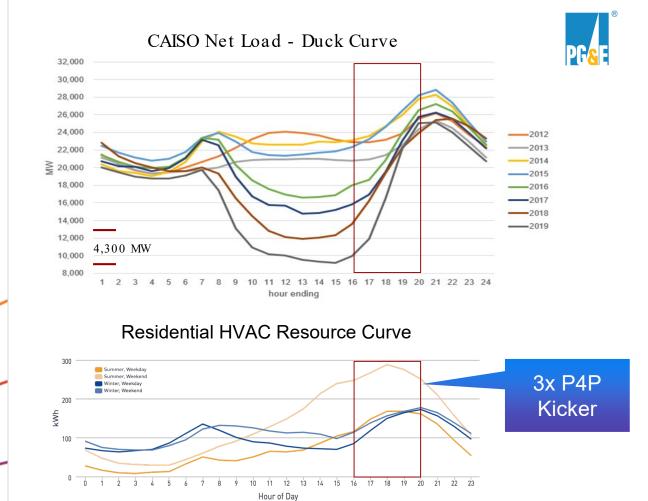
RECURVE

SHAPE THE FUTURE OF ENERGY

Confidential and Proprietary. Copyright (c) by Recurve Analytics Inc. All Rights Reserved. Case Study 1:

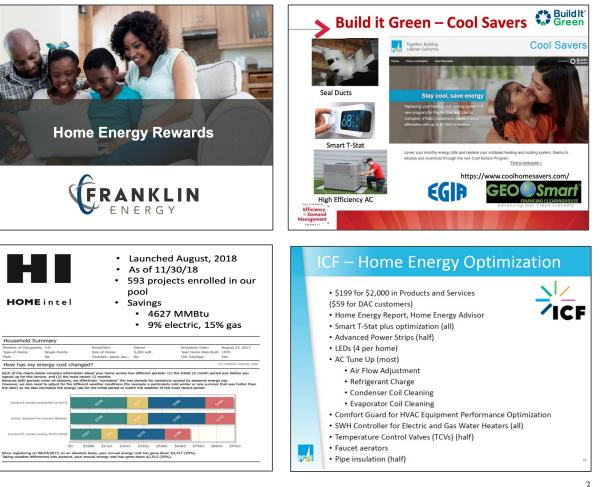
PG&E Residential Pay-for-Performance

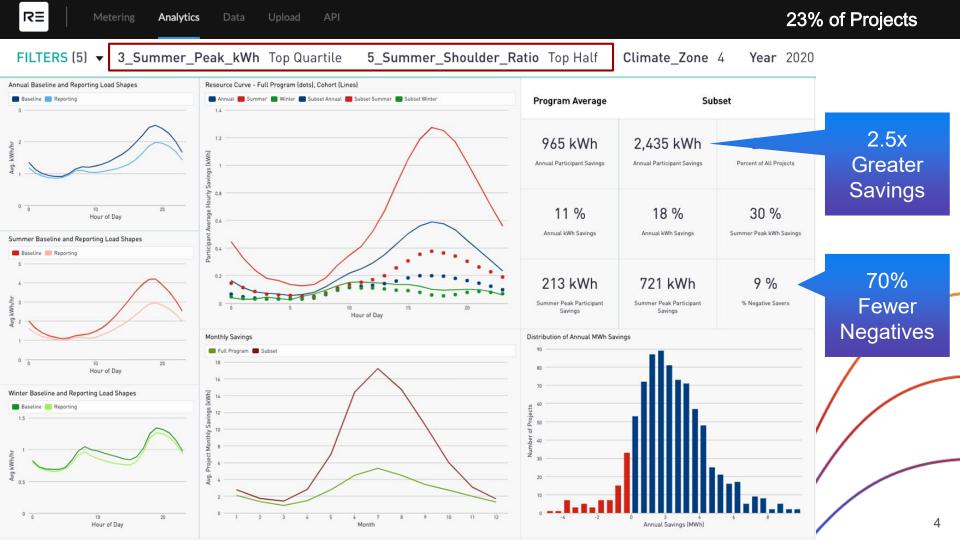


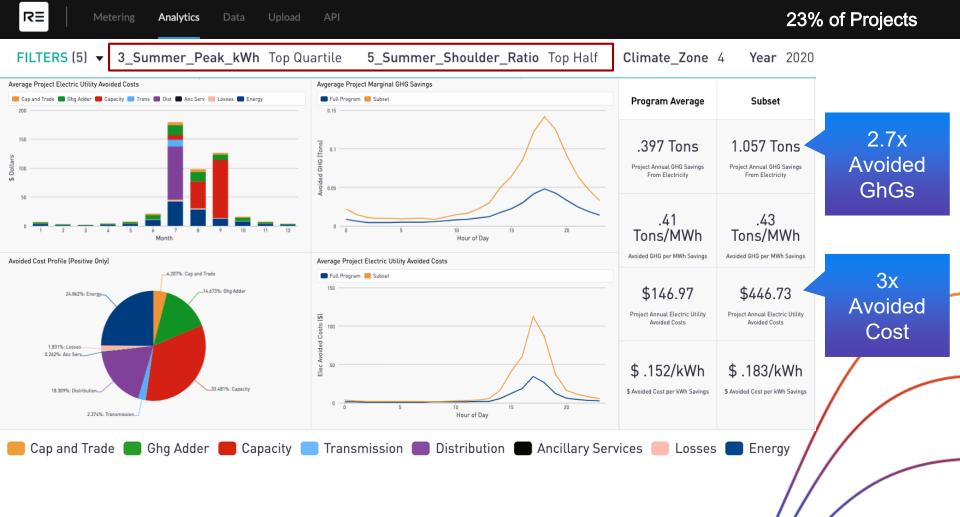
Case Study 1:

Enabling Competitive Markets Drives Innovation









Case Study 2:

New York

Pay-for-

Performance

Programs

RECURVE

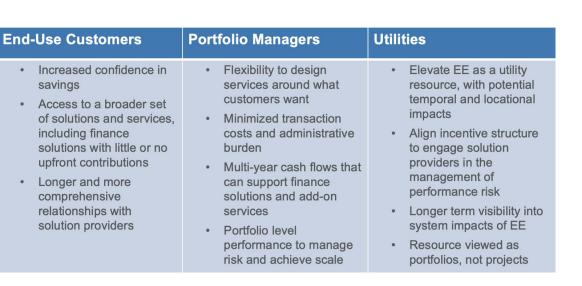
Aug-19	Con Edison RFP launched
Sep-19	National Grid stakeholder meeting
Oct-19	Con Edison Portfolio Manager awards made
Nov-19	National Grid RFP launch
Jan-20	Con Edison Portfolio Managers in market
Jan-20	National Grid Portfolio Manager awards made
Q1 2020	PSEG LI RFP launch
Q2 2020	National Grid Portfolio Managers in market





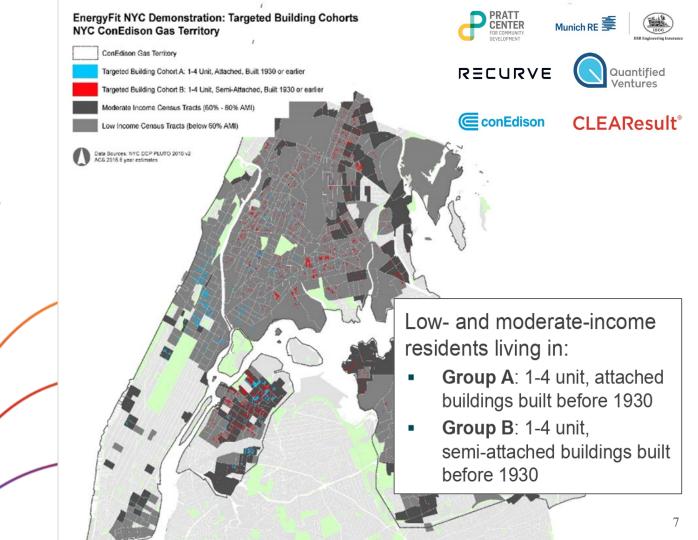
nationalgrid

ConEdison



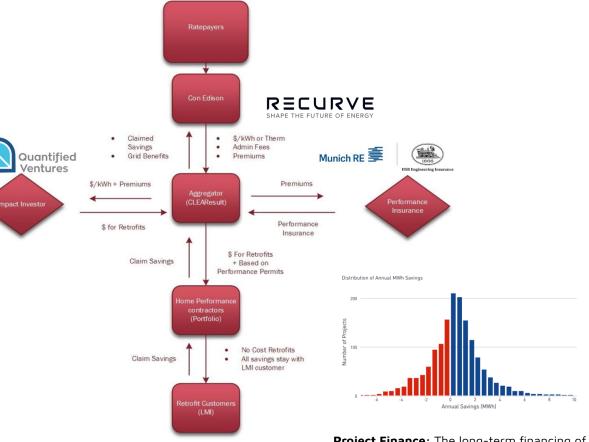
Case Study 3:

ConEd EnergyFit Low Income P4P NY Rev Demo



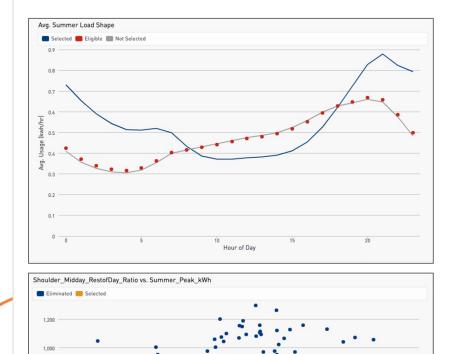
Case Study 3:

Using Private Capital to Provide Low Income Energy Efficiency



Project Finance: The long-term financing of projects based upon projected <u>cash flows</u> rather than the balance sheets of its sponsors.

Case Study 4: EBCE / Joint CCA Solar+Storage Targeting and Grid Integration

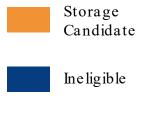


Electric Targeting_Feature_1

0 1



- Storage Customers Targeting
- Integration into EBCE Forecast
- Resource Adequacy for BTM Flexibility



Grid Integrated Buildings - Data Tells the Story

• Load Shifting

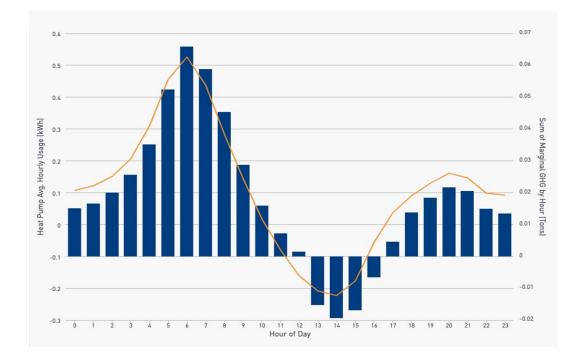
(e.g., Storage, DR)

• Load Shaping

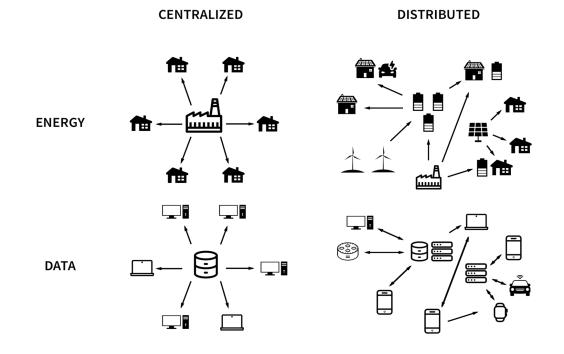
(e.g., EE, Solar)

• Load Balancing

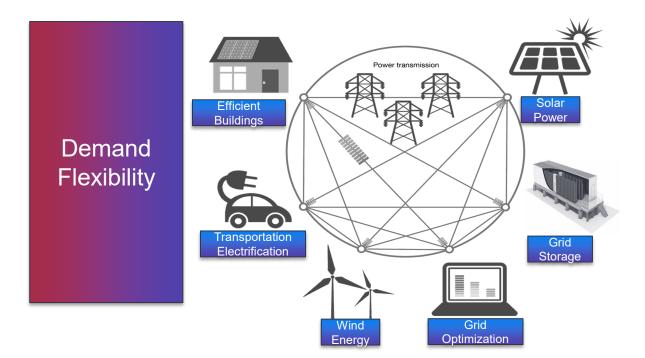
(e.g., EVs, Heat Pumps)



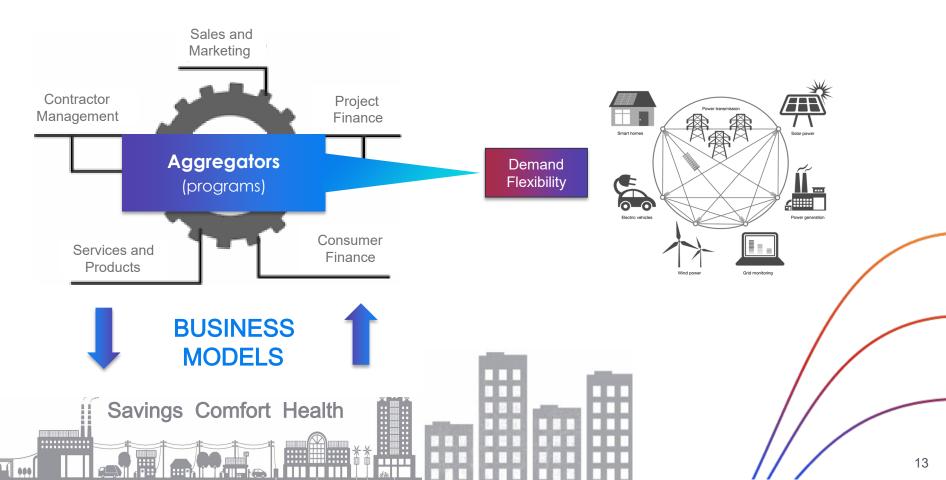
Distributed Grid = Distributed Data = Distributed Flexibility



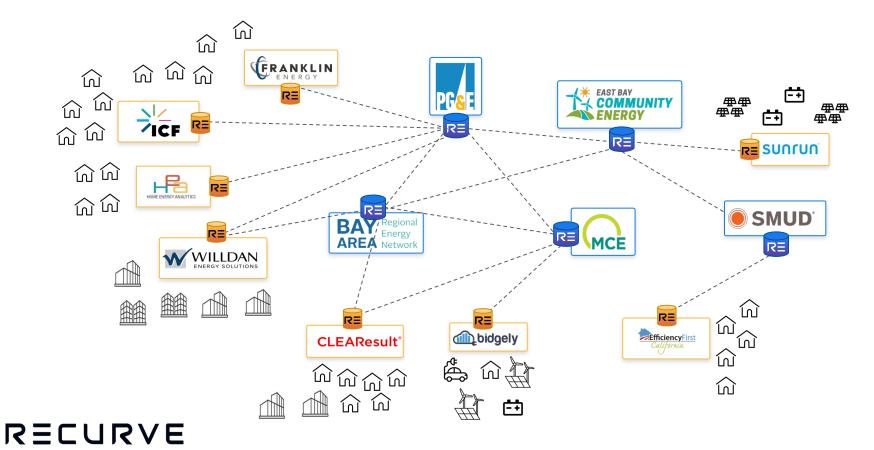
Demand Flexibility Anchors the Decarbonized Grid



Recurve Makes the Market for Demand Flexibility



Grid Integrated Buildings are Demand Flexibility Assets



Standard Weights and Measures



- Standard M&V Calculation Methods
- Monthly, Daily, and Hourly
- Public Stakeholders Empirical Process
- <u>www.CalTRACK.org</u>

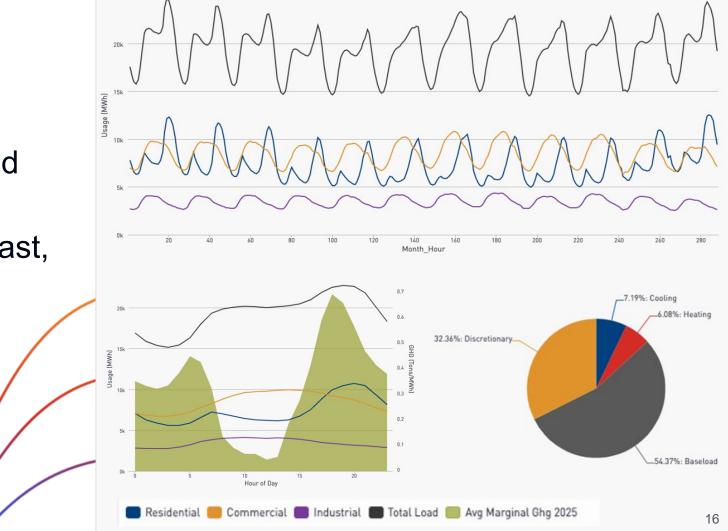
- Python CalTRACK Engine
- Open Source <u>Apache 2.0</u>
- Contributed to Linux Foundation
- Code Repo: <u>https://goo.gl/qFdW4P</u>



Resource Planning

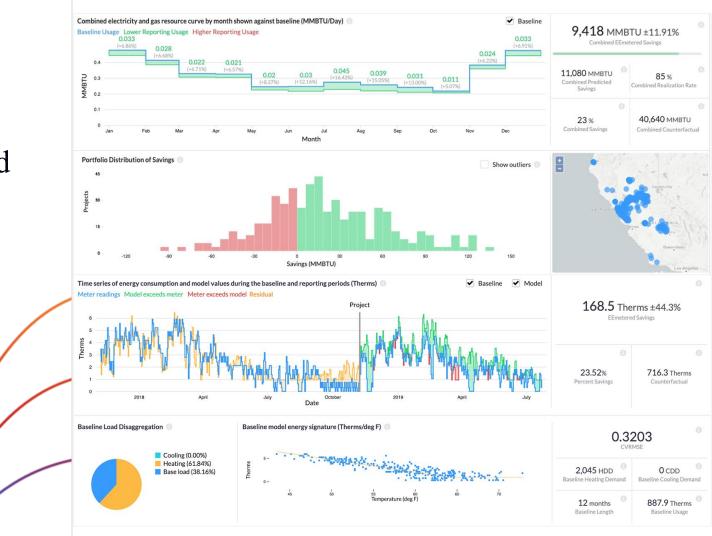
RECURVE

Population Grid Analytics to Design, Forecast, and Procure Demand Side Resources



Fleet Management

Tools for Behind the Meter Demand Flexibility



Flex Ledger

RECURVE

System of Record for Revenue **Grade Demand** Flexibility **Transactions**

Account: 8	341044							January 21st,	2020 Creat	te New Payment	
0 1,040 Projects	0 2,033 Meter Assets	() \$338,290.59 Base Value	\$0.00 Kicker Value Assigned Value		\$338,527.49 Total Value	\$171,920.12 Upfront Credit	\$510,447.6 Total Value + Upfront	1 \$255 Credit Previou	() 5,223.80 as Payments	\$255,223.8 Balance	
2,030 Met	er Assets		Q. Show	vfilters			Showing 1 to 10	0 of 2,030 Meter Ass	ets Prev	Next -	
METER ID \$	METER TY	PE PROJECT ID	PROJECT MATURITY	+ LAST UPDATED	BASE VALUE \$	KICKER VALUE \$	ASSIGNED VALUE +	TOTAL VALUE \$	UPFRONT CR	EDIT \$ TOT	
M77-electricity	electricity	PROJ12377	0 months	12/20/2019	\$266.04	\$0.00		\$266.04	\$133.09	\$39	
M151-electricity	electricity	PROJ123151	0 months	12/20/2019	\$1,729.98	\$0.00		\$1,729.98	\$865.43	\$2,5	
M91-gas	gas	PROJ12391	0 months	12/20/2019	\$0.00	\$0.00		\$0.00	\$107.55	\$10	
M91-electricity	electricity	PROJ12391	0 months	12/20/2019	\$776.13	\$0.00		\$776.13	\$388.26	\$1,1	
M176-electricity	electricity	PROJ123176	0 months	12/20/2019	\$118,587.04	\$0.00		\$118,587.04	\$59,323.69	\$17	
M85-electricity	electricity	PROJ12385	0 months	12/20/2019	\$742.65	\$0.00		\$742.65	\$371.51	\$1,1	
M85-gas	gas	PROJ12385	0 months	12/20/2019	\$0.00	\$0.00		\$0.00	\$107.55	\$10	
M140-electricity	electricity	PROJ123140	0 months	12/20/2019	\$10,400.31	\$0.00		\$10,400.31	\$5,202.80	\$15,	
M140-gas	gas	PROJ123140	0 months	12/20/2019	\$0.00	\$0.00		\$0.00	\$107.55	\$10	
M359-electricity	electricity	PROJ123359	0 months	12/20/2019			\$47.38	\$47.38		\$47.	
1 Payment	ts										
PAYMENT ID \$	DATE 🗢	STATUS \$	# OF PROJECTS \$	# OF METER ASSETS \$	PAYMENT \$	BASE PAYMENT \$	KICKER PAYMENT \$	ASSIGNED PAY	MENT + TOT	TOTAL PAYMENT \$	
1	01/21/2020	CONFIRMED	1,040	2,033	\$221,429.73	\$169,145.29	\$0.00	\$118.45	\$16	9,263.74	







of Oregon

