EM&V 2.0 Modern Measurement for Energy Efficiency

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EnergySavvy at a glance

Cloud software company bringing DSM into the 21st century



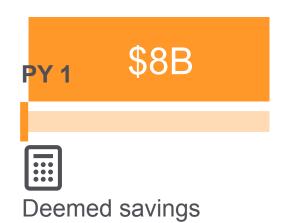


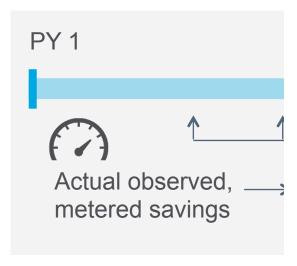
Energy Efficiency Program Management

Like Cruising Down the Highway without a Speedometer



DSM Measurement - \$25B Problem





Measurement Challenges

- Slows utilities, regulators, and market
- Cost- and Effort-Intensive
 EM&V costs can consume 3-5% of program budgets
- Retroactive

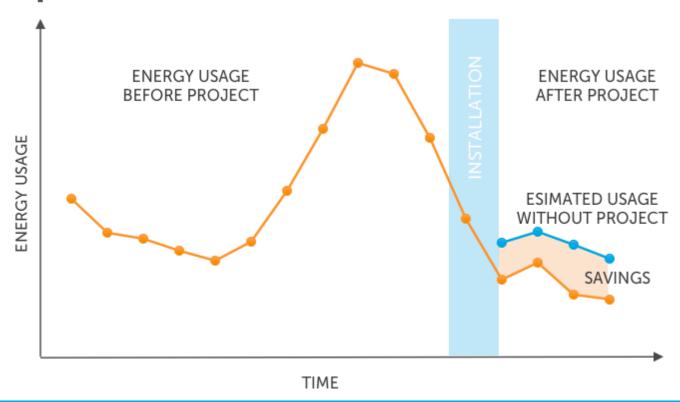
 Backwards looking analysis doesn't allow for optimization
- Contentious

 Lack of transparency and consistency across jurisdictions
- Imprecise
 Sampling, data insufficient for granular analysis

Continuous Savings Measurement: How It Works

Billing analysis for all projects in a program, in an on-going manner, utilizing accepted M&V protocols

optix QUANTIFY



Quantify Demo

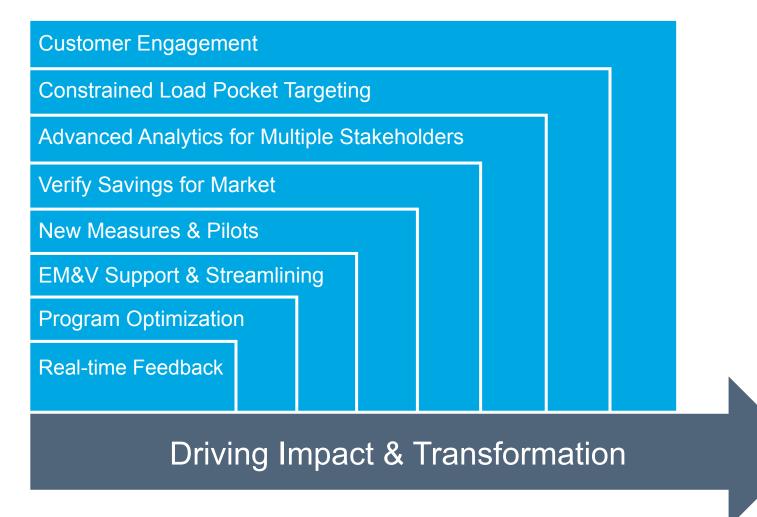
What you just saw...



Measurement

Program Optimization

How can continuous savings measurement help?



EM&V 2.0 Emerging Nearby

NY – REV Track 1 Order Pages 307-308, Released February 26, 2015:

"As REV recognizes the pace of technology and its ability to redefine our electric system, so too can advances in technology be used to challenge and enhance our traditional approach to EM&V"

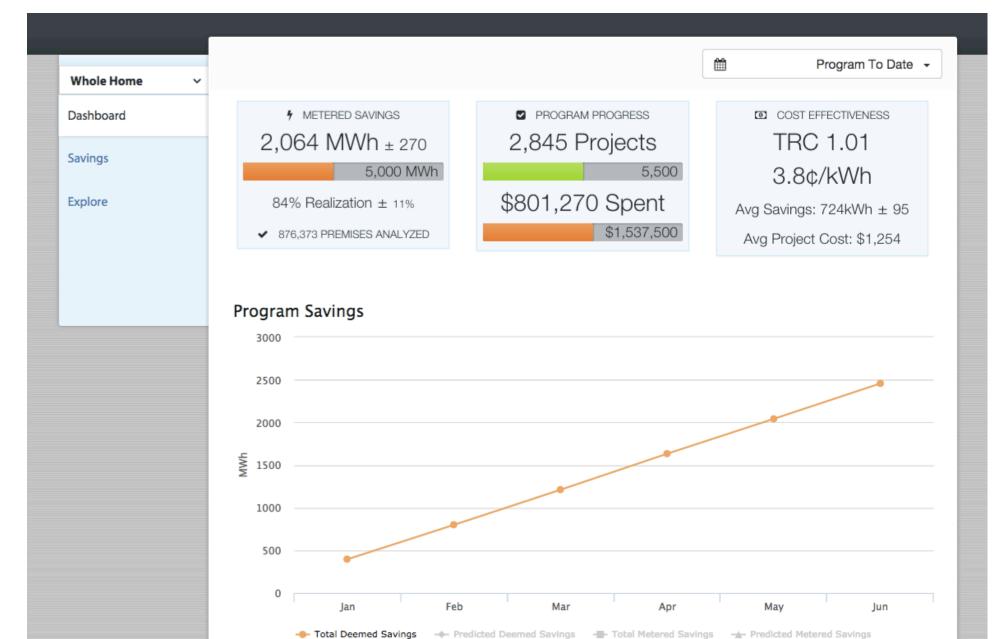
Building a Bridge

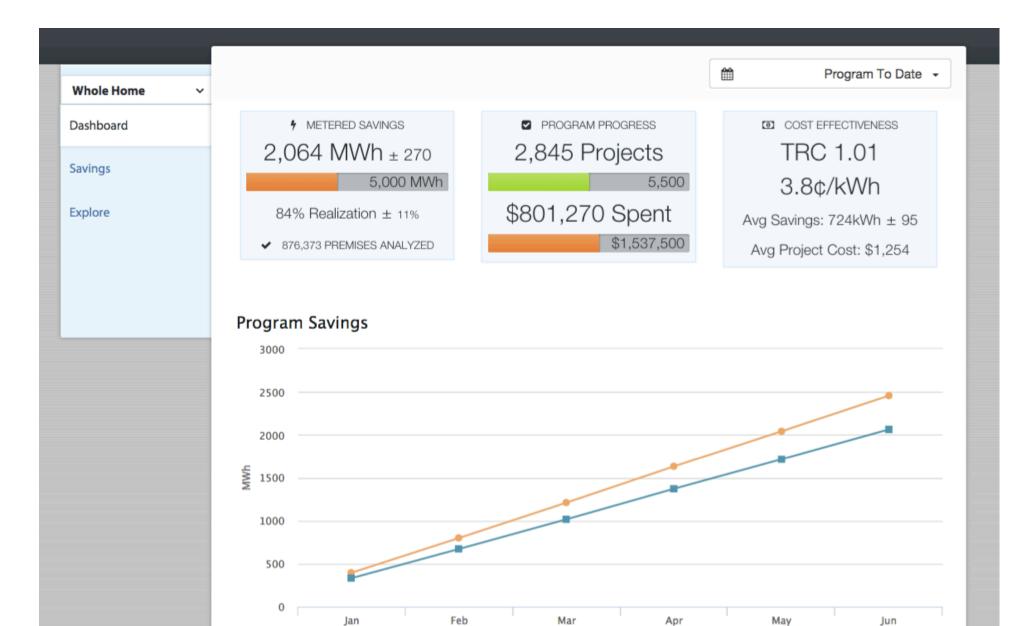


Commissions can provide encouragement, freedom and room for innovation

Thank You

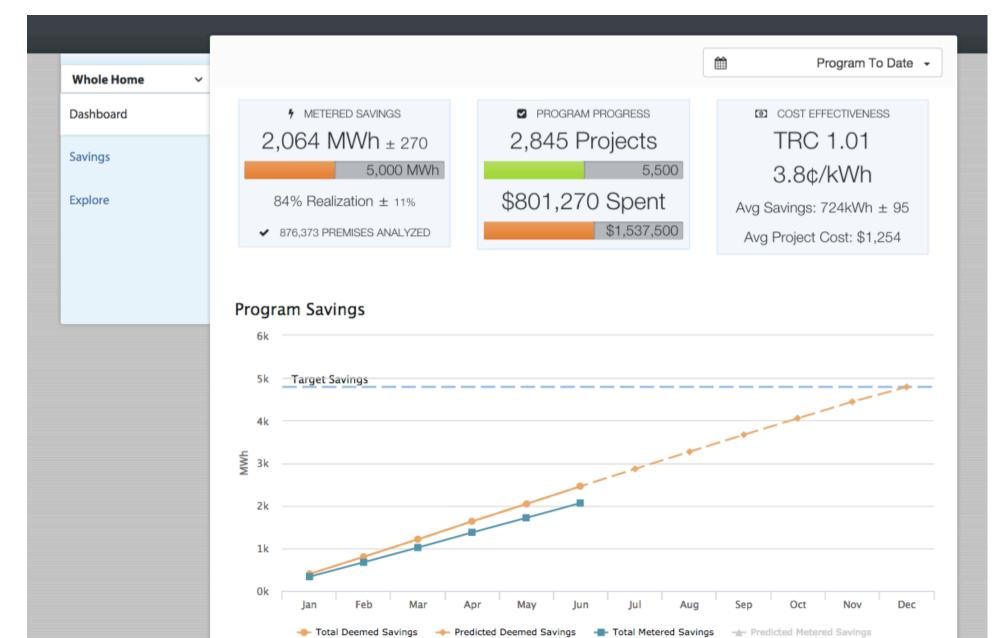
ENERGYSAVVY

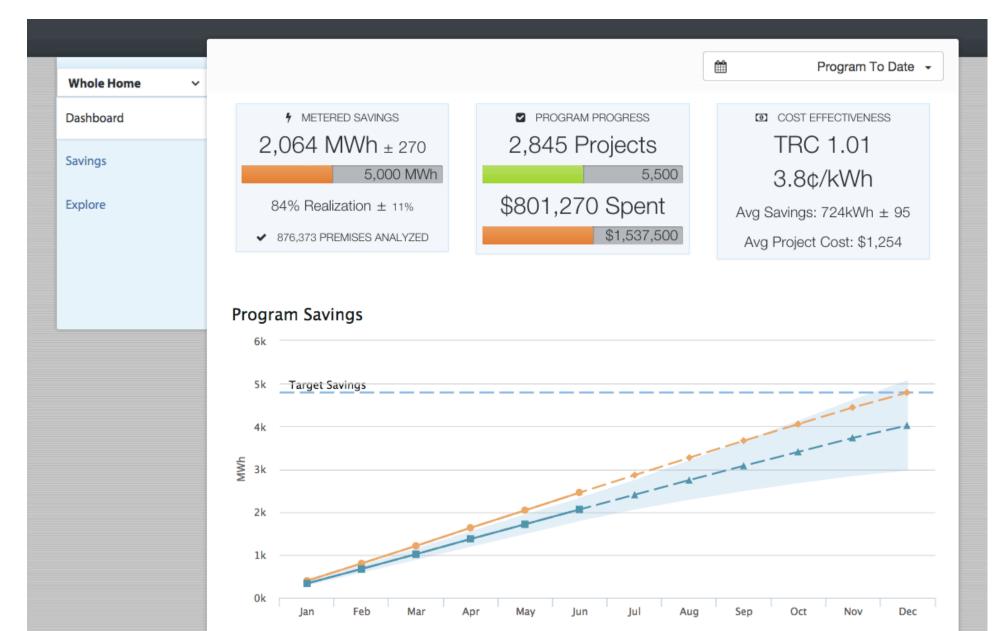




→ Predicted Deemed Savings → Total Metered Savings → Predicted Metered Savings

Total Deemed Savings





→ Predicted Deemed Savings → Total Metered Savings

Total Deemed Savings

-- Predicted Metered Savings

Top Factors of Increased Savings

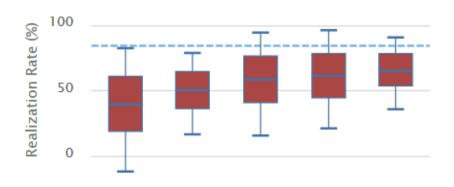
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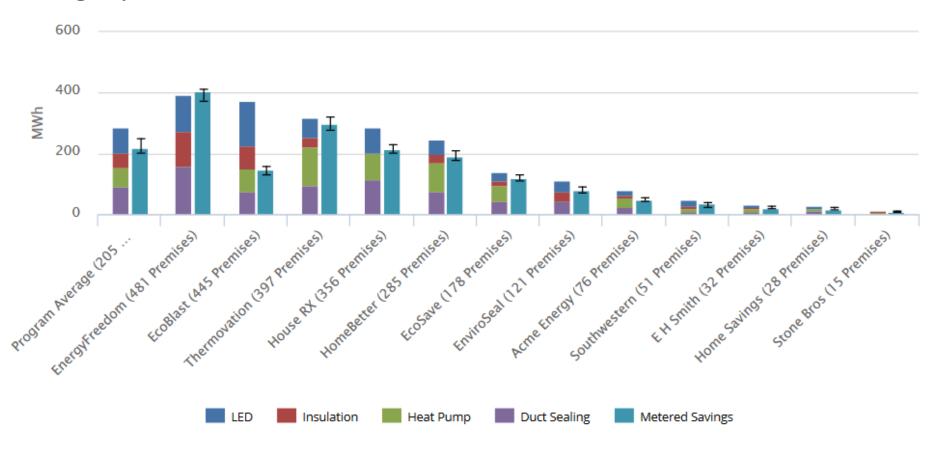
Top Factors of Decreased Savings







Savings by Contractors



O UtilityCo













Analytics

Projects

Partners

Content

t Settings

Whole Home	~
Dashboard	
Savings	
Explore	
Year Built	
2000+	22
1990-1999	93
1980-1989	138
1970-1979	120
Before 1970	71
Weather Station	
Greenville	377
Madison	427
Springfield	534
Fairview	711
Auburn	797
Measure	
Duct Sealing	114
Heat Pump	28



 $39\% \pm 43\%$

Overall: 84% ± 11%

♠ NUMBER OF PREMISES

445 / 2845

16%



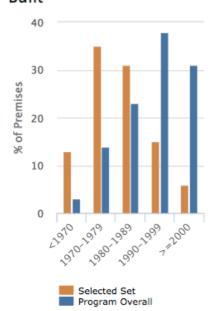
Program To Date -

METERED SAVINGS

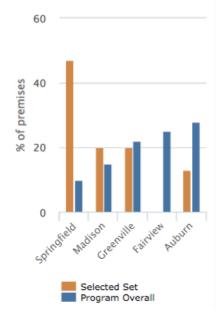
 $145 \text{ MWh} \pm 160$

 $7\% \pm 8\%$

Premises by Year Built



Premises by Weather Station



Measure Mix

