

#### **Energy Management Solution**

# UTILITY DATA ESP FEATURES



#### A Deeper Level of Analytics for Today's Energy Management Requirements

EnergySmartPro.com

## **OVERVIEW**

**The Issue:** Buildings in the United State spend >\$450 billion annually on energy and represent 40% of national energy consumption and emissions

**The Solution:** Utility Data ESP makes energy data management and monitoring easier by offering your team a deeper level of energy analytics for today's requirements.

**The Benefit:** Utility Data ESP solves issues such as high administrative costs that come with manual reporting, siloed data between numerous service providers, difficulty identifying ROI of efficiency projects, sustainability reporting requirements, and more...

- Energy management software users have reported median energy savings of 17% annually
- 91% of the same users stated they couldn't have achieved this performance without the use of their energy management software

#### HIGHLIGHTS

- Full suite of easy-to-read analytics to optimize usage efficiency
- Forecasted Energy Budgets
- Create customizable reports and download data to excel
- Peak load notification to reduce energy spend
- Automated Bill Auditing
- Sustainability reporting features



## **CUSTOMIZABLE DASHBOARD**

High level view of your most important KPIs

20+ different widget options for your dashboard

Create, maintain, & share customized dashboard views (i.e. for specific users, sustainability, accounting, engineering, etc.)

යි Home	Dashboard      Sustainability      +		79	Properties	741 Accounts	128.28M Pa	st Year Spend
(8181	to GHG Emissions 22201 Jarod Skyway and 77 oth	,⊯ Usage	site 🕥 source	5	ENERGY STAR P	ortfolio Manager	
Invoice	. 8.8% Tree Seedings	= 1.000M	Jul '2018 - Jun '2019 165.26kBtu/sf			88687 and 740	Most Recent
Management	2,121.3 tornes CO <sup>2</sup> e 35,000.7 tree seedings grown for			Property	Score Trend	Years Cartified	Month
14	10 years	1 3 100M	1	085 Cassandra Trafficway	80 🕈	2017	Jan
Budgeting	Passenger Vehicles - Wind Turbines - 449.7 0.4 Passenger vehicles Wind Turbines Installer			17769 Stacey Courts	80 🕈	2018, 2017, 2016, 2015, 2014, 2013, 2011, 2010	Jun
Sustainebility	dirven for one year May 2019 😑 vs. May 2018 🛞 Smin	12 mo YTD	Month	25915 Morsem Ltd	75 🕈	2018, 2017, 2016, 2015, 2014, 2012	Jun
۵	Property Locations			36667 (Science		un 2018 🖂 Ma	(2019) (2)
Real-Time	The second se	01678 Electa Circles sele.	vs. 03250 Treve	r Plains sele.		Electric *	Prop
Menitoring Measurement & Ventication Peak Load Feak Load		+ Locatio	n 10 sage + Location 2 Usage			an and	1,000,000 km 1,000,000 km 1,000,000 km 1,000,000 km
Reporting							() Help

#### SUSTAINABILITY

Custom benchmarking comparison of buildings and regions (consumption/ demand/cost totals and KPIs)

Integration with ENERGY STAR, GRESB, Department of Energy BPD, LEED Arc Skoru, CDP, GRI, and more

Sustainability (GHG, water, waste) reporting automation

	Sustainability			Comparisons	ENERGY STAR	Building Performance Database	Global Real Estate Sustainability Benchmark
	21 locations selected	Metric Usage	* 0	t SqR - Electric X			
B Sustainability	Base Date Jun 2018 🛞 Jun 2019						
* Demo Client ABC * Custom Groupings	Comparison Date P Include Comparison Date? Jul 2017 Jun 2016						
	Pain Comparison			11			
	2929 Polich Curve						
	885 Samson Locks - 576 Deontae Point						
	443 Broderick Land						
	8062 Cummerata Junction						
	858 Thiel Rue						
	30707 Konopelski Gardens						() Help

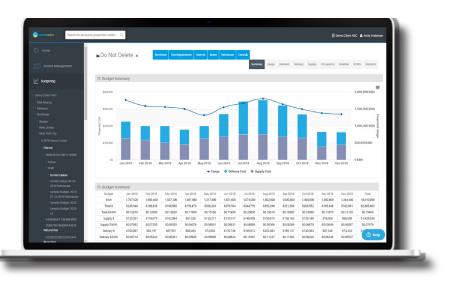


## UTILITY BUDGETING

Budget accurately based on proprietary consumption, forecasting algorithm, supply market predictions, delivery tariff rates, and Public Service Commission rate cases

Understand the impact of lease activity, occupancy, weather, and efficiency projects

Allocate capital efficiently with comprehensive budget variance reporting



#### REPORTING

Automated monthly reporting distribution

Reports native to Excel formatting never altered upon export

Library of out-of-the-box reports with customized report development available





## AUTOMATED UTILITY BILL MANAGEMENT

Utility bill management with building/facility region or portfolio consolidation

Store utility bill images, all line item data, and facility data and documents

Auditing capabilities

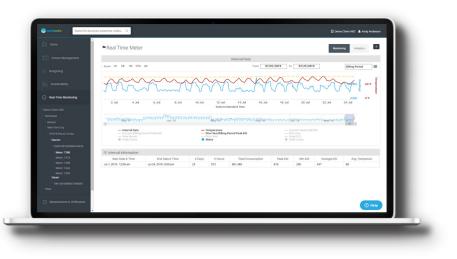
Multiple currency tracking and unit conversions



## **REAL-TIME MONITORING**

Fully leverage real-time data by analyzing it alongside actual utility bill data

Multiple visualizations giving the ability to identify energy efficiency and savings opportunities





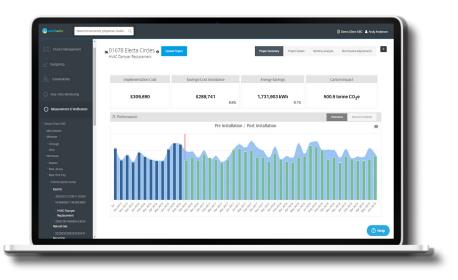
## **MEASUREMENT & VERIFICATION**

ASHRAE Guideline 14-2014 & IPMVP Compliant Option B & C

Track multiple ECMs at once

Normalize project analyses for weather, billing period length, occupancy, & more

Verify performance and track ROI



## PEAK LOAD NOTIFICATION

Predictive analytics alert you when peak load hours are likely to occur

Track, measure, and verify the performance of your peak load management efforts

	NVISO Peak Load			N150 ISO NE P.M. Capacity P.M. Transmission
Home	III NYISO Peak Load Summary			
+151	Zoom YTD 1M 1W 1D Al			Pom 12012018 To 07002019
woice				
agement 2 dgeting				
AL.				
anability	14. Jan 28. Jan 1	1. Feb 25. Feb 11. Mar	25.Mar 8.Apr 22.Apr 6.May	20.May 3.Jun 17.Jun 1.Jul 15.Jul 29.Jul
			Dute	
0		an an and the	MM Sapra Martem	Barrow Margane Margane Marga
al Time	·	-Alayciano hava vi Jana i	Sip'18 VVVVNor'18	TRUE AND ADDRESS AND ADDRESS AND ADDRESS ADDRES
nitoring		Peak Loa	d 🛛 💿 Forecast < 90% 🍐 Forecast (90-95)% 🛛 🖷 Forecast > 95	5% — Max Peak
~				
Θ	III NYISO Peak Load Forecasts			
	Date	Time	Forecast (MW)	Versus Max Peak Load (YTD)
		05:00 PM	23,598	77.63%
	07/24/2019			
fication	07/25/2019	05:00 PM	24,537	8072%
fication		05:00 PM 04:00 PM	24,537 26,151	80.72% 86.02%
fication	07/25/2019			
arement 6 fication	07/25/2019 07/26/2019	04:00 PM	20.151	86.03%
fication k Load	07/25/2019 07/26/2019 07/27/2019	04.00 PM 04.00 PM	26,151 24,962	86.03% 82.19%
fication	07/25/2019 07/26/2019 07/27/2019 07/26/2019	04.00 PM 04.00 PM 05.00 PM	20,151 24,092 25,035	86035 82.395 84.995
fration kLood	07/25/2019 07/26/2019 07/27/2019 07/26/2019 07/26/2019	0400 PM 0400 PM 0500 PM 0400 PM	26,151 24,862 25,835 28,359	8603% 82.3% 64.30% 63.3%
fration kLood	07.25.2019 07.55.2019 07.27.2019 07.28.2019 07.28.2019 07.26.2019	0400 PM 0400 PM 0500 PM 0400 PM	26,151 24,862 25,835 28,359	8603% 82.3% 64.30% 63.3%
fration kLood	61352018 61362039 61372038 61362039 61362039 61362039 61352039	0400 PM 0400 PM 0500 PM 0400 PM	20.131 24.992 25.955 28.559 28.559	805 209 400 93 83 85 85 85 85 85 85 85 85 85 85 85 85 85
fration kLood	en 252016 en 124016 en 124016 en 124016 en 1240016 en 124000000000000000000000000000000000000	0400 PM 0400 PM 0500 PM 0400 PM	26.351 24.042 25.053 26.059 26.059 26.059	8035 81395 84295 8137 8135 8138 8138
fication k Load	6 135 018 6 126 2018 6 127 2018 6 128 2019 6 136 2019 6 136 2019 130 2019 130 2019 130 2019 130 2019	0400 PM 0400 PM 0500 PM 0400 PM	26.151 24.962 26.355 26.359 26.559 26.559 26.659	8435 8295 8499 933 933 933 933 9438 9438 9439 939 9329 9
fication k Load	en 252019 ditad 2019 ditad 2	0400 PM 0400 PM 0500 PM 0400 PM	20.351 24452 2035 26,559 26,679 70m 4400 PM 500 PM	8105 3106 34206 3036 3036 3438 3438 3438 3438 3438 3438 3438 34

