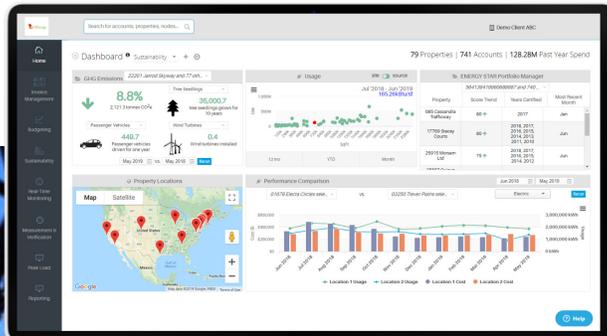


# An Energy Management Solution by



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

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

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

**The Benefit:** QFB Energy's energy management platform 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...

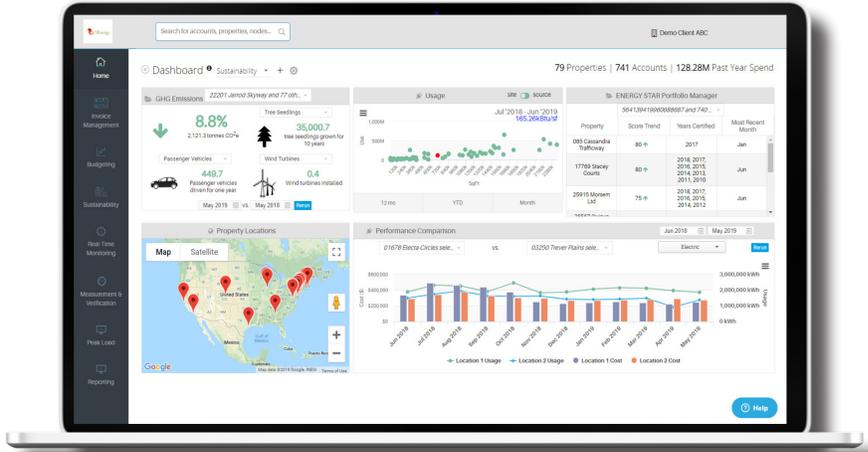
# Measurement & Verification Features:

## Customizable Dashboard

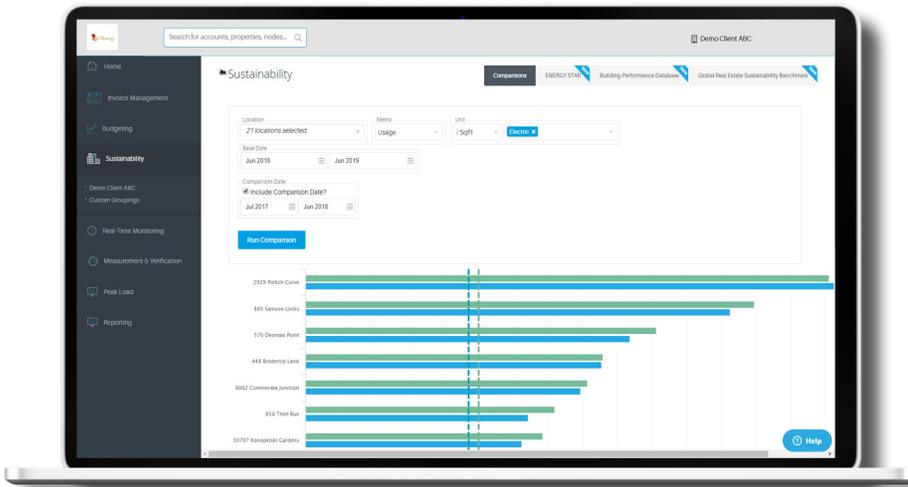
High level view of your individual KPIs

20+ different widget options for your dashboard

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



## Sustainability



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

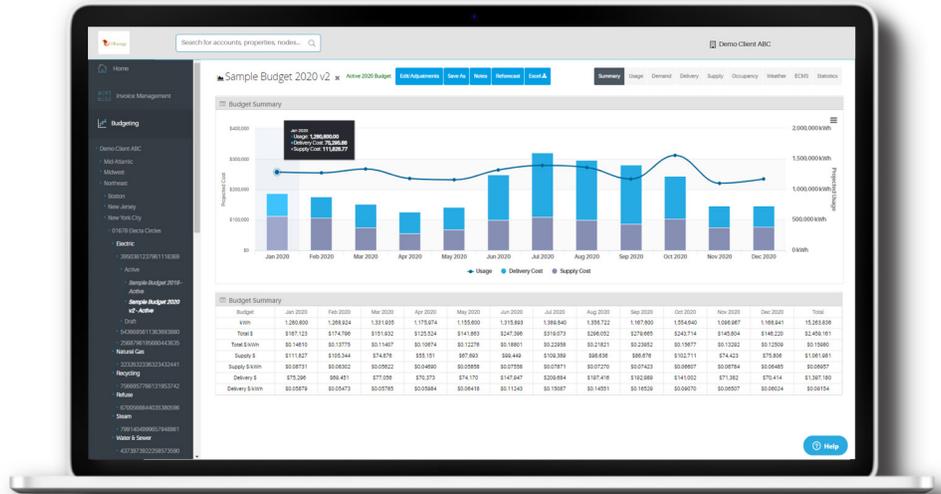
Save “custom groupings” manually or determined by property characteristics

# Utility Budgeting

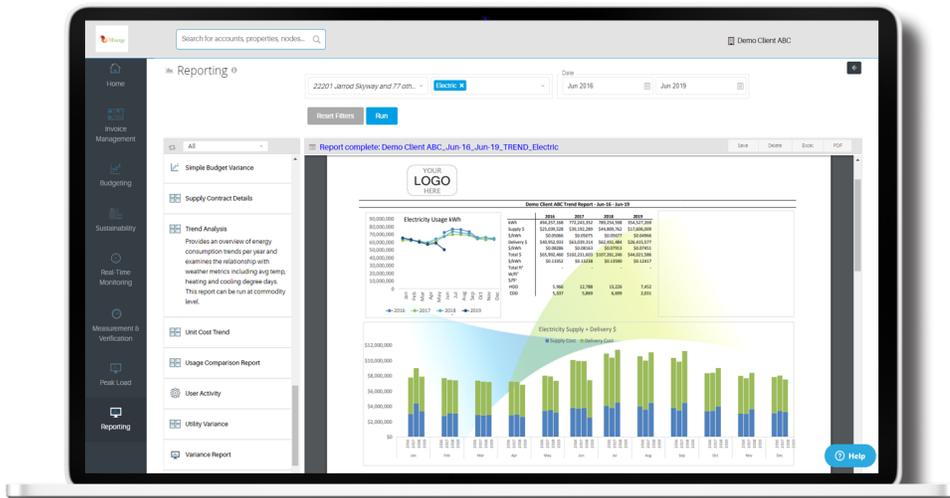
Budget accurately based on proprietary consumption, forecasting algorithm, supply market predictions, delivery tariff rates, and Public Service Commission rate cases

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

Allocate capital efficiently



# Reporting



Automated monthly reporting distribution

Reports native to Excel — formatting never altered upon export

Custom report development



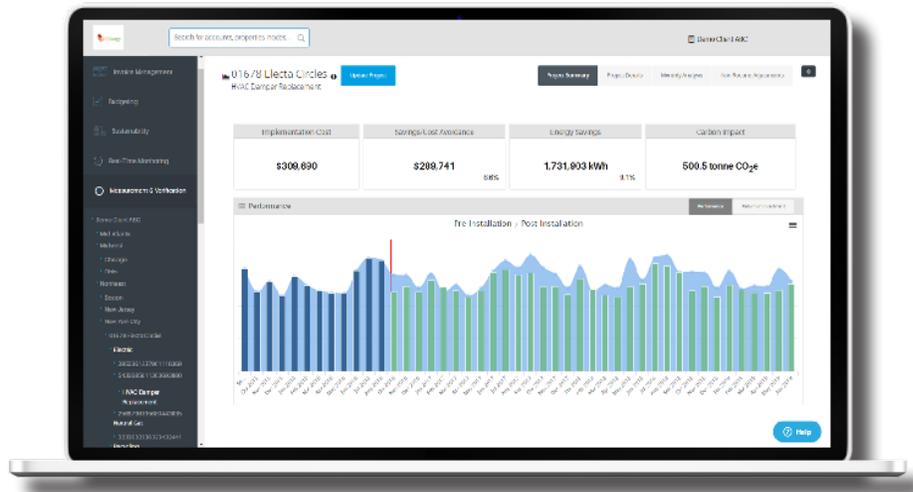
# Measurement & Verification

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

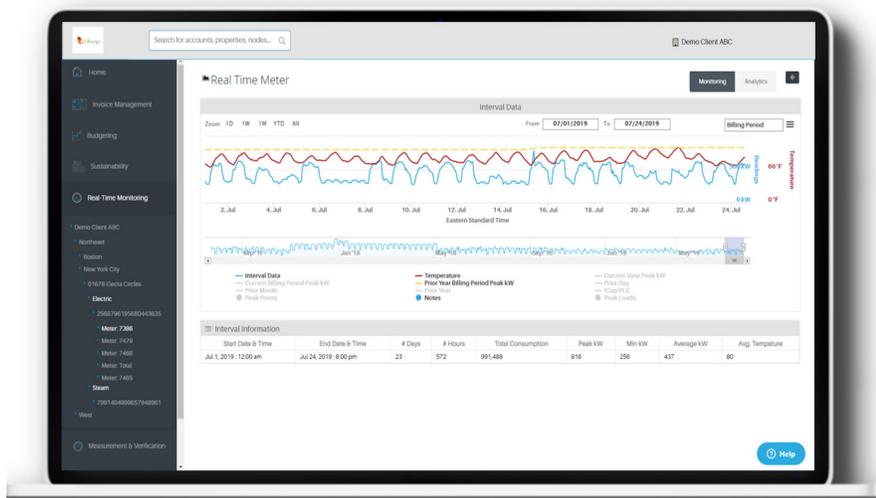
Track multiple ECMs at once

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

Verify performance and track ROI



# Real-Time Monitoring



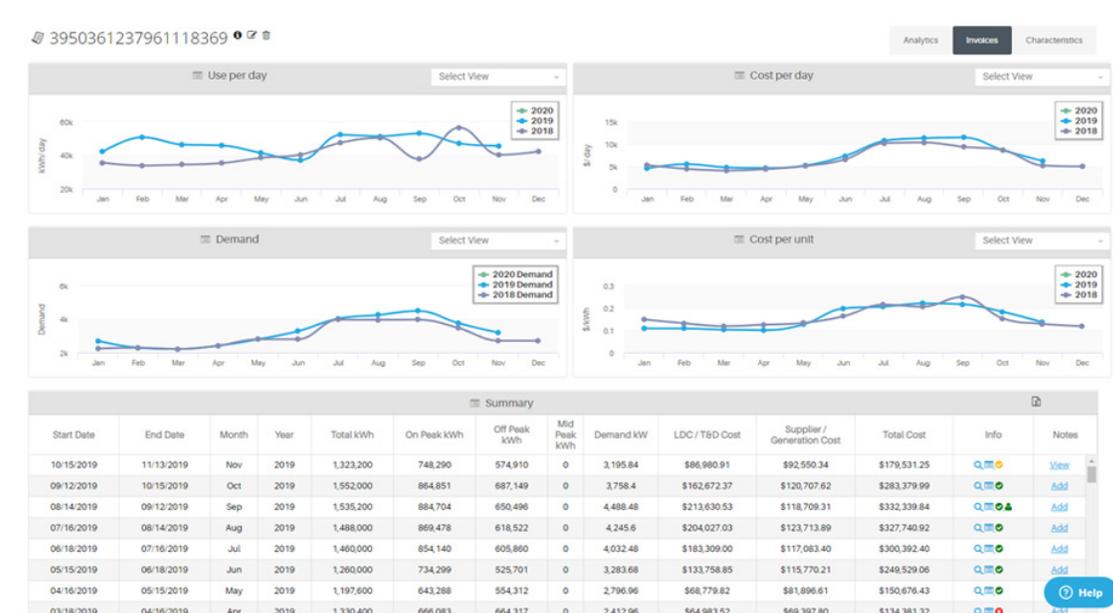
Fully leverage real-time data by analyzing it alongside actual utility bill data

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

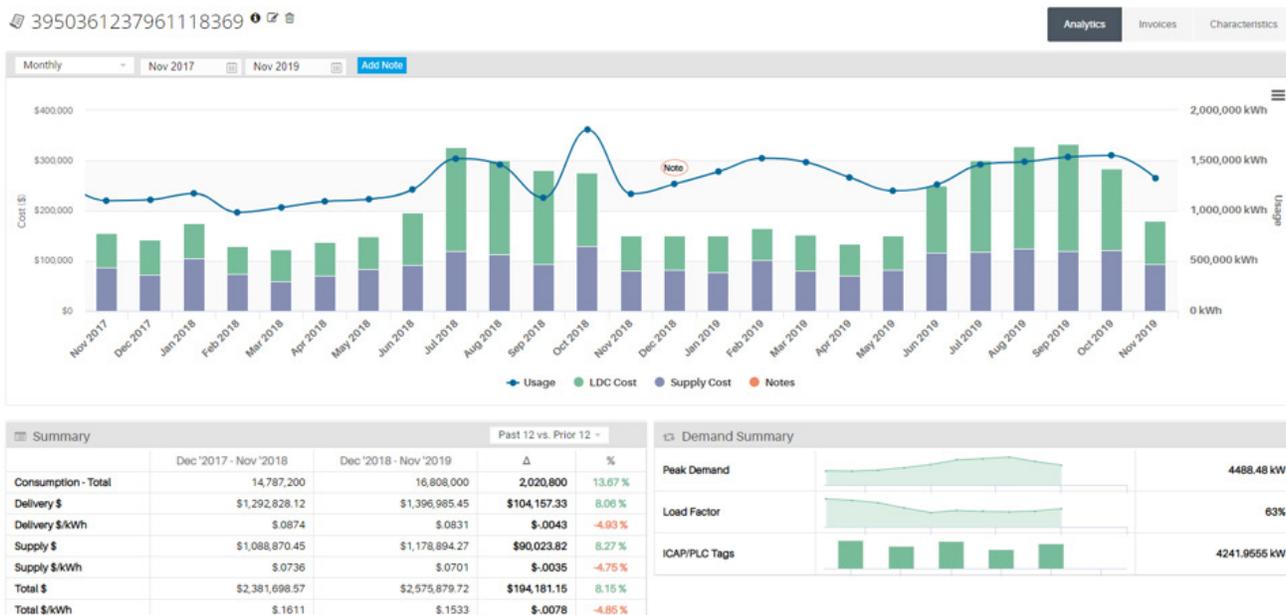
# Invoice Management & Auditing

## Invoice Management

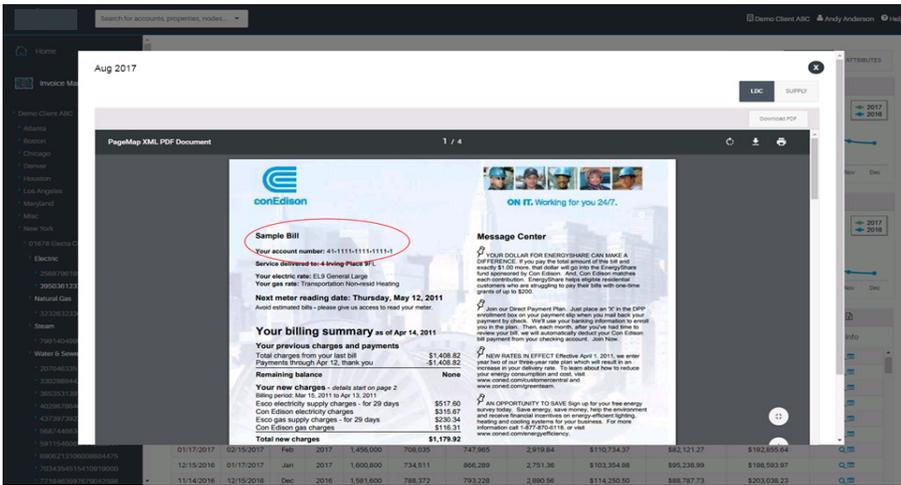
Effectively managing your utility invoices is the backbone of an Energy Management Platform (EMP). Your EMP should be able to ingest invoices from multiple sources in as automated a fashion as possible. Look for platforms that provide automatic utility data acquisition and PDF capture.



Top of the line platforms are now able to provide a variety of normalizations to make sense of invoice data alongside the factors that are influencing it. These leverage statistical modeling to make sense of how usage, demand, and costs trend with both business KPIs and weather at the facility location. You should be able to view your usage in both the raw and normalized fashion, so you can see if a higher than average month is related to expanded production, unseasonable weather, or if it stems from a larger problem at the facility.



Lastly, ensure that the platform can track and leverage all the information coming from your bills. Gone are the days when kWh and cost are the only meaningful factors; today's complicated utility tariffs and supply contracts contort fees and tie them to things such as demand, reactive power, and even recurring flat charges. Your EMP should be able to bucket all line item charges properly, analyze the variable vs fixed charges accurately, and allow you to download copies of your PDF bills individually and in bulk.

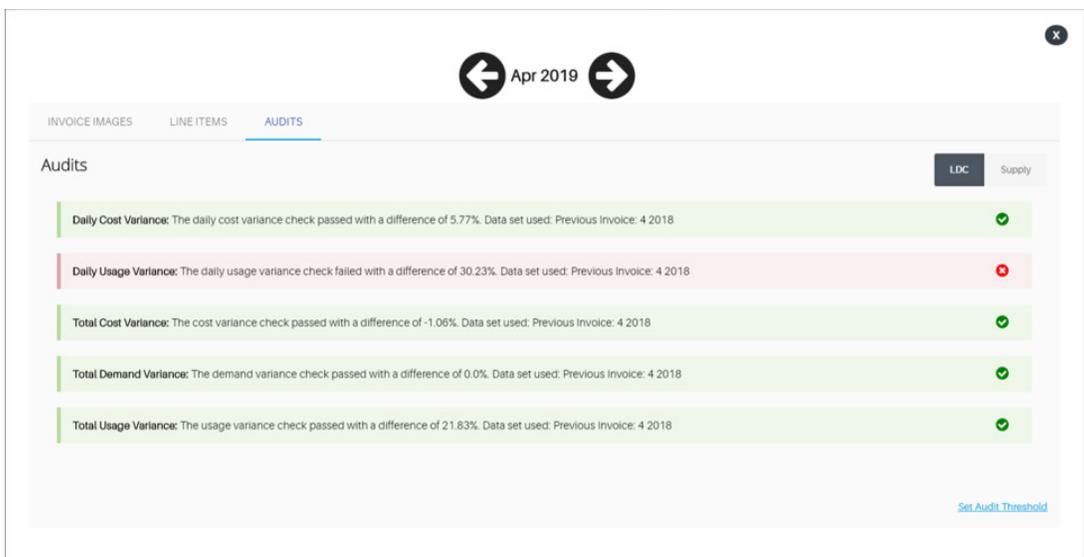


## Automated Utility Auditing

Ensure that your platform has a robust auditing and quality assurance process to catch billing errors such as overlapping date ranges, abnormal variances, and unreasonable usage. Auditing hundreds or thousands of utility accounts manually is nearly impossible. Utilizing a solution that can do statistical auditing of your bills to bring anomalies to the surface is critical for scale and accuracy.

Start Date	End Date	Month	Year	Total kWh	On Peak kWh	Off Peak kWh	Mid Peak kWh	Demand kW	LDC / T&D Cost	Supplier / Generation Cost	Total Cost	Info	Notes
10/15/2019	11/13/2019	Nov	2019	1,323,200	748,290	574,910	0	3,195.84	\$86,980.91	\$92,550.34	\$179,531.25	Q	View
09/12/2019	10/15/2019	Oct	2019	1,552,000	864,851	687,149	0	3,758.4	\$162,672.37	\$120,707.62	\$283,379.99	Q	Add
08/14/2019	09/12/2019	Sep	2019	1,535,200	884,704	650,496	0	4,488.48	\$213,630.53	\$118,709.31	\$332,339.84	Q	Add
07/16/2019	08/14/2019	Aug	2019	1,488,000	869,478	618,522	0	4,245.6	\$204,027.03	\$123,713.89	\$327,740.92	Q	Add
06/18/2019	07/16/2019	Jul	2019	1,460,000	854,140	605,860	0	4,032.48	\$183,309.00	\$117,083.40	\$300,392.40	Q	Add
05/15/2019	06/18/2019	Jun	2019	1,260,000	734,299	525,701	0	3,283.68	\$133,758.85	\$115,770.21	\$249,529.06	Q	Add
04/16/2019	05/15/2019	May	2019	1,197,600	643,288	554,312	0	2,796.96	\$68,779.82	\$81,896.61	\$150,676.43	Q	Add
03/18/2019	04/16/2019	Apr	2019	1,330,400	666,083	664,317	0	2,412.96	\$64,983.52	\$69,397.80	\$134,381.32	Q	Add
02/14/2019	03/18/2019	Mar	2019	1,483,200	783,326	699,874	0	2,218.08	\$73,006.04	\$79,410.12	\$152,416.16	Q	Add
01/15/2019	02/14/2019	Feb	2019	1,522,400	793,957	728,443	0	2,290.08	\$63,134.03	\$101,775.44	\$164,909.47	Q	Add

The above graphic shows monthly invoices and the status of passing or failing statistical audits. Once it has been determined that an audit has failed, the platform will notify either your analyst to research the exception or our service analysts to do the research on your behalf depending on your service level. The below graphic shows the status of each audit check. The parameters of each audit check are customizable by the client.



## About QFB Energy

QFB Energy has over 50 years of combined business consulting experience. Consulting engagements include business process outsourcing, process re-engineering, technology, security, and utility consulting. We have secured competitive electric and natural gas contracts for school districts, retailers and manufacturers since 2010.

QFB Energy will carefully review the goals of your organization. We work diligently to find smart pricing and supply choices for your electric and gas needs. Our experience in the market will give you peace of mind that you received optimum value that makes the most sense for your business.

To learn more, visit our website: <https://www.qfbenergy.com/>