



An **AEP** Company

Energy Management Plus

Every organization is significantly impacted by how they source and use energy. From optimizing energy procurement strategies and controlling costs, to meeting ever-growing stakeholder demands for efficiency and sustainability, implementing the best solution to meet your unique needs and goals presents a variety of complex challenges.

Full service for all your energy needs.

AEP Energy can help you overcome the complexity through a comprehensive approach that covers all your energy management needs. The biggest value for organizations is a comprehensive and systematic approach towards the entire portfolio to ensure all opportunities are uncovered and nothing gets overlooked.

Sustainability & Renewables

- Decarbonization roadmap development
- Renewable energy advisory
- Turnkey net-zero emission solutions

Efficiency & Technology

- Data analytics; sector, portfolio and facility
- Technology and asset optimization
- Energy efficiency program and turnkey execution

Demand Management

- Load management as a service
- Generation and transmission peak management
- Demand response

Cost Management

- Cost management with forecasting and variance analysis
- Rate analysis and optimization
- Energy markets and site assessment

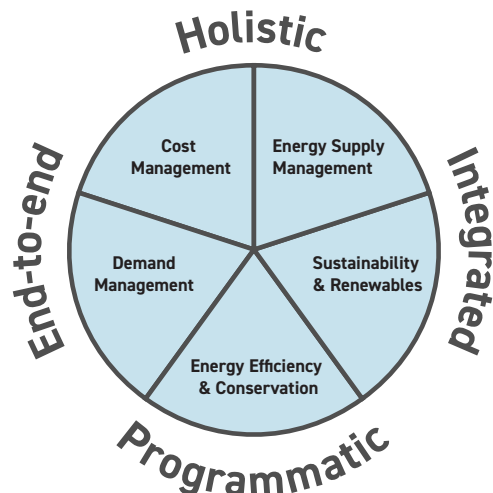
Energy Supply Management

- Strategic purchasing
- Product modeling and risk analysis
- Market and procurement advisory and reporting

Our Solution:

Energy Management Plus

Whether it's energy supply, renewables or energy efficiency, our energy experts will partner with you to identify a solution that brings you the most value.



Who is AEP Energy?

AEP Energy delivers excellence in customer experience through world-class advisory and program management services with integrity, innovation and transparency to empower organizations to achieve optimal energy sustainability and cost control outcomes.

Why choose us?

We are an advisory and program management practice formed from the roots of an energy company. With many years of experience, our energy experts are not merely observers, advisors or administrators, but participants who partner with your business.

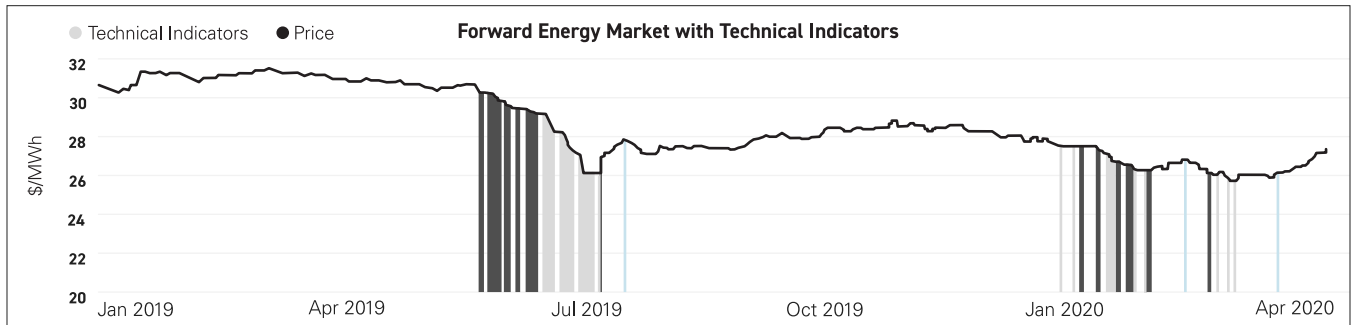
Our Solution: Superior insights. Sustainable solutions. Brighter future.

Advanced data analytics to identify outliers on an hourly basis so you can better focus efforts.

Hour-to-Hour Change by Account by Hour																								
site name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
site 1	-1.7%	-3.5%	5.5%	-2.2%	-0.5%	5.3%	32.6%	1.7%	1.5%	23.8%	4.2%	0.2%	2.9%	-3.9%	3.3%	1.4%	-2.7%	4.8%	-1.9%	-6.7%	-3.3%	-6.1%	-16.6%	-15.4%
site 2	-1.8%	-3.4%	0.3%	0.3%	-0.0%	7.4%	5.6%	7.6%	3.0%	2.2%	3.9%	2.3%	1.3%	-0.6%	-0.7%	3.1%	-0.4%	-1.5%	-0.9%	-4.5%	-11.6%	-3.7%	-5.3%	0.2%
site 3	-8.4%	2.1%	-1.5%	-3.5%	6.3%	2.2%	9.2%	11.0%	11.6%	4.9%	2.6%	-0.4%	1.6%	0.8%	0.0%	-0.1%	-1.6%	0.7%	-5.1%	-5.6%	-1.0%	-4.3%	-8.2%	-8.4%
site 4	-3.5%	3.3%	-3.8%	0.6%	0.4%	3.1%	15.7%	8.1%	6.1%	4.8%	-1.0%	2.0%	0.8%	-0.5%	-1.9%	3.4%	-0.9%	-0.4%	-5.3%	-4.4%	-3.9%	-3.7%	-9.8%	-4.9%

Energy Market Reporting

Technical indicators can help you and your organization know when to buy energy.



Dashboards

Our Dashboards show month-to-month and annual insights empowering you to make the right choices.

ABC Company

Number of Accounts: 3

Current Month: Jan-21

Supply Charge and Total Usage by Month

The chart above shows the month-over-month usage (line chart on right axis) and charges (bar chart on left axis) trend over time. The data is cumulative of all properties with the same supply product within a utility. It allows for easy tracking of portfolio level changes in spend against corresponding changes in usage. Customers can also see the contribution of individual components of their monthly charge.

Supply Charges by Category

1,255,720
Current Month Usage

\$43,805
Current Month Charge

The chart above shows the previous months portfolio level charges and usage for all sites with the same supply product within a utility. The pie chart shows the percent contribution of individual component charges within the monthly spend.

Previous Month's Usage / MoM Change

1,404,080
Previous Month's Usage

-11%
MoM Change

Previous Year's Charge / YoY Change

\$29,048
Previous Year's Charge

51%
YoY Change

Previous Year's Usage / YoY Change

578,580
Previous Year's Usage

117%
YoY Change

Top Increase in Cost

Account No. 1
\$3,485 15%
YoY Difference YoY Change

Top Decrease in Cost

Account No. 2
(\$1,442) -27%
YoY Difference YoY Change

Top Increase in Usage

Account No. 1
290,500 61%
YoY Difference YoY Change

Top Decrease in Usage

Account No. 2
-5,760 -5%
YoY Difference YoY Change

The left table above shows the change in portfolio usage (absolute and percent) from previous month. The middle chart shows the year-over-year change in portfolio spend while the right chart shows the corresponding year-over-year change in usage. Note that a positive number or % value indicate increase from previous period and negative number or % value indicates decrease from previous period.

The chart above shows the year-over-year comparison for the best and the worst performing site in the portfolio within the same utility and with the same product. The sites with the most increase and decrease in costs from the same period, previous year are on the left and corresponding sites with most increase and decrease in usage are on the right.

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LEARN MORE | Contact Brandi Nye at bnye2@aepenergy.com or call 312-488-2223 to discuss how your business may benefit from our energy services. **AEPenergy.com**

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