

Planalytics® Energy Procurement Intelligence

UNDERSTAND. AVOID. CONTROL.

Understand how an increasingly complex mix of fundamental, economic and trading factors interact and impact today's energy markets.

Avoid getting caught in the "speculative trap" and having traders dictate the price paid for energy. Avoid missed opportunities by using insights to secure low prices and proactively manage demand variations.

Control energy costs with procurement decisions that meet risk management and budget objectives.

On what information does your company base energy procurement and planning decisions?

How much time, resources and expertise does your business have to stay on top of its needs?

Does your organization's current processes clearly identify the strategic actions and decisions it should employ?



The screenshot shows the Planalytics Energy Procurement Intelligence web application interface. At the top, there is a navigation bar with "MARKET INSIGHTS | CONSUMER INSIGHTS | WEATHER INSIGHTS". Below this, the main content area is divided into two columns: "APPLICATIONS" and "REPORTS".

APPLICATIONS:

- Procurement Strategies:** Select buying strategies (ladders, buy-wait or fully hedged, etc.) and establish parameters (monthly volumes, fill by dates, contract rules, decision intervals, etc.) to meet procurement objectives.
- Pricing and Analysis:** Live Nymex/Globex pricing for natural gas, crude oil and other energy commodities with month-by-month price analysis and purchasing/hedging guidance.
- Basis Pricing:** Daily basis pricing from CME ClearPort for specific market locations (Sumas, Chicago, Transco, etc.).
- Demand Forecasting:** Projected impact of weather on power demand up to a year forward. The Power Weather Index shows variances (vs. LY or 10-year avg.) of weather-driven change in power demand by period (week, month or season) for specific metropolitan areas and regions.

REPORTS:

SUBSCRIBED REPORTS: 11 (Modify >)

- Energy Alert
- InsideEdge Basis and Storage Expectations
- InsideEdge™ Market Notes
- InsideEdge™ Petroleum Report
- InsideEdge™ Power Report
- InsideEdge™ Weather Watch
- Planalytics SnowCap Report
- Planalytics Vision™ Report NA
- Snow Alert (2)
- Two Week Significant Weather Outlook
- WeatherVue Report

AVAILABLE REPORTS: 0 (Add More >)

View All Reports and Learn More >

Planalytics Energy Procurement Intelligence Service provides access to current market information, planning applications, analysis tools and insightful reports.

In today's fast-moving, interconnected and volatile market environment, companies are finding it increasingly difficult to effectively plan energy expenditures, stabilize costs and choose the right time to purchase energy.

Planalytics Energy Procurement Intelligence (EPI) Service combines proprietary analytical tools with insightful reports and expert guidance to help companies make better energy procurement and planning decisions.

Planalytics EPI turns all of the market noise and assorted data points into decisive actionable intelligence for power, natural gas and petroleum products.

Benefits of Planalytics EPI Service include:

- Managing energy expenditures to stay within budget;
- Identifying opportunities and risks (know when to buy or not to buy);
- Identifying the right procurement strategies and parameters;
- Planning for and quantifying periods of increased or decreased demand;
- Planning for weather's impact on energy and operational needs;
- Evaluating strategies and tactics with Planalytics experts;
- Tracking and analyzing procurement decisions (mark-to-market, etc.).

Applications

Procurement Strategies

Planalytics works with clients to develop and implement energy procurement, planning and risk management strategies within the EPI platform. Specific tools and reports can be set up and customized to meet each client's needs. Planalytics helps to ensure that budgeting, forecasting, purchasing and hedging information support objectives and oversight requirements (management, regulatory, etc.).

EPI clients have the ability to:

- Select buying strategies ("ladder" or "fully-hedged" approach, etc.)
- Set time- and quantity-specific buying rules for individual contracts/months
- Set volumes and decision-making intervals (daily, weekly, etc.)
- Model weather-driven demand variations off last year's actuals or historical data
- Select specific locations or regions for demand and weather forecasts, create custom weather reports (HDDs/CDDs by region, etc.) and establish preferences for pricing and analysis tools

Pricing and Analysis

Planalytics EnergyBuyer® platform provides daily market monitoring, price analysis and buying/hedging guidance to help clients manage risk and procurement costs for natural gas, heating oil and other energy commodities. Planalytics continuously evaluates real-time pricing (from Globex/Nymex) and provides straightforward "BUY" or "DON'T BUY" suggestions for individual contracts, up to 18 months into the future.

YClose	N Last	G Last	G High / Low	G Change	Volatility	OpenInt	Suggestion	Qty	Goal	Total	Strip 1
3.830	4.160y	4.960	3.908 / 3.953	0.131	31.2%	240,893	↑	0	100	0	Start May 11
4.093	4.327y	4.067	4.138 / 3.836	-0.026	33.3%	232,238	↑	2	100	1	End Apr 12
4.170	4.362	4.102	4.029 / 4.145	-0.068	29.2%	334,251	↑	2	100	0	Strip 4.3513
4.174	4.706y	4.173	4.184 / 4.099	-0.001	28.8%	88,270	↑	1	100	0	Strip 2
4.110	4.745y	4.087	4.040 / 4.201	-0.024	27.8%	91,080	↑	0	100	0	Start Jun 11
4.223	4.814y	4.125	4.345 / 4.121	-0.098	30.8%	124,881	↑	0	100	0	End Apr 12
4.364y	4.939y	4.357	4.379 / 4.217	-0.007	27.7%	83,937	↑	1	100	0	Strip 0.0
4.736y	5.206y	4.688	4.866 / 4.593	-0.048	21.3%	48,048	↑	1	100	0	Strip 4.3382
4.720y	5.367y	4.649	4.833 / 4.768	-0.071	26.1%	173,906	↑	0	100	0	Suggestion Weak Buy
4.797y	4.954y	4.653	4.757 / 4.798	-0.144	21.6%	27,470	↑	0	100	0	
4.779y	4.978y	4.630	4.598 / 4.581	-0.149	19.5%	44,053	↑	0	100	0	

Pricing and Analysis

Depending on the commodity, suggestions are based on a combination of fundamental factors (weather, inventory levels, etc.), financial factors (GDP, interest rates, investment trends and trading strategies, etc.) and technical factors (resistance and support levels, open interest, etc.).

Planalytics analytical technologies take all these variables along with current pricing and distills the information down to specific buying or hedging actions for clients. "Strong Buy", "Buy" or "Weak Buy" suggestions are provided when current price levels are determined to be undervalued compared to Planalytics' projections. "Don't Buy" prompts (Strong to Weak) are provided when current price levels are determined to be overvalued compared to Planalytics' projections.

Basis Pricing

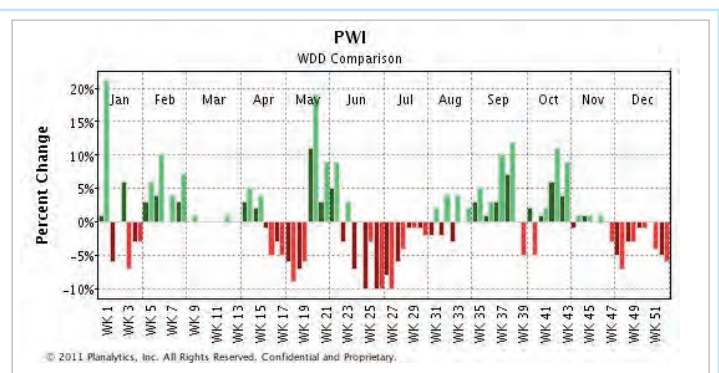
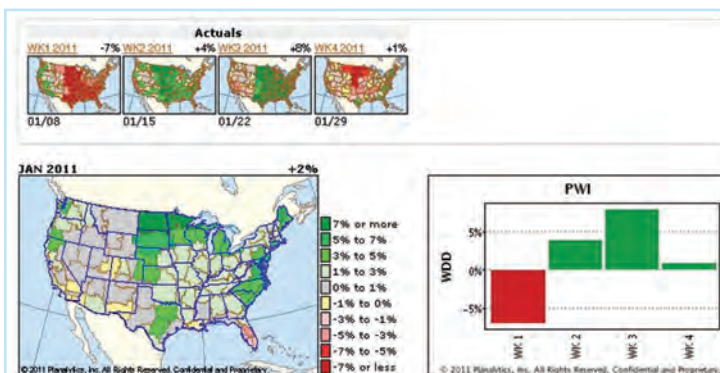
Daily natural gas basis pricing is available from CME Clearport for more than 30 locations. Daily settlement prices compared to the national Henry Hub price are provided up to 36 months into the future.

Demand Forecasting

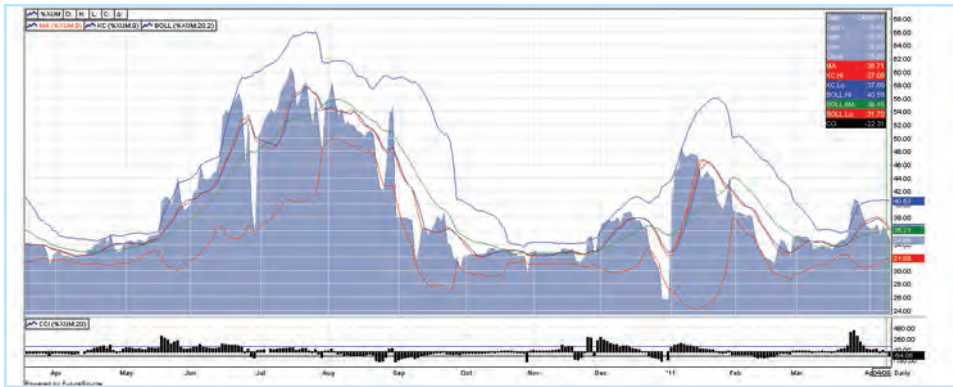
Planalytics quantifies how much power demand changes due to the weather, up to a year forward. Weather-driven variations in demand are provided in the form of the Power Weather Index (PWI) which is a percentage change in weather-driven demand for the week, month or season versus the corresponding period of the previous year. Clients can also view historical PWI against five and ten year averages. Planalytics' PWI is available for the U.S. as a whole, by NERC regions and sub-regions and for major metropolitan areas.

Clients can view Planalytics PWI three ways:

- "Executive Summary" offers color-coded, sortable location-by-location comparisons of the PWI across time (season, month, week) with an option to download data into spreadsheets and external systems.
- "Demand Details" presents weather-driven demand for specific time periods and geographies through interactive maps and graphs.



Demand Forecasting



Charting and Technical Analysis

- “20/20” provides a graphical “report card” comparing a product’s forecasted PWI to actual PWI for selected time periods and geographies. This view can be used in-season or post-season and easily exported as a .pdf report.

Charting and Technical Analysis

Clients can access customizable charts to conduct technical analyses for natural gas, power and petroleum products. More than 30 technical studies are available (Moving Averages, Volume/Open Interest, Commodity Channel Index, Stochastics, etc.) which can be used to support procurement decisions, particularly in the near term.

Storage and Trader Reports

Clients can easily access weekly reports from the Energy Information Administration (EIA) and the Commodity Futures Trading Commission (CFTC). Planalytics provides summaries of EIA inventory data along with graphs showing year-ahead projections with five year averages, highs and lows. Planalytics also summarizes CFTC Commitments of Traders

reports with week-to-week changes in long and short positions.

Transaction Review

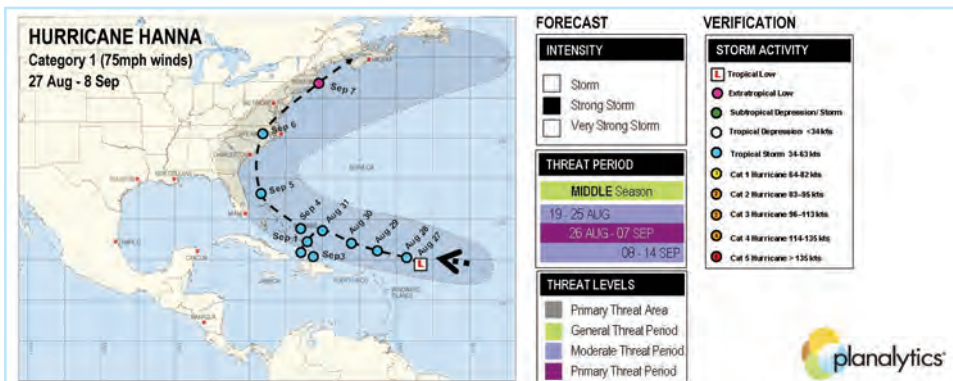
Clients can view and export a history of transactions entered into the platform. Mark-to-market snapshots are available for expired contracts, open contracts, for specific months and for customized time periods.

Options Calculator

Planalytics provides an easy to use calculator for clients that buy and sell options. Using up-to-date pricing, clients can calculate premiums for calls and puts, implied volatility and deltas.

Weather Intelligence

Daily, short-term international weather forecasts, satellite imagery and reports are available to clients along with seasonal products (snow amounts, heat index, etc.). Planalytics meteorologists are available daily via phone or email for detailed weather support and to provide specialized briefings upon request. Additionally, clients have access to Planalytics Tropical Storm/Hurricane pre-season forecasts and in-season monitoring services.



Weather Intelligence

“With Planalytics, we have been able to stay on top of volatile price swings and make hedging decisions that contain costs for our customers.”



“We are really pleased with their history of making the right calls over the last couple of years. . . We’ve enjoyed savings from predicting the (peak demand day) charges each year.”



“Planalytics provides a comprehensive perspective of what is going on in the market, whether it's the weather, technicals, speculators or fundamentals.”



Reports

InsideEdgeSM Market Notes discusses the various factors impacting natural gas prices. Market commentary usually focuses on recent trading activity with discussion of variables that could drive price movements or market sentiment in the near-term (this week) or longer-term (months into the future). Market analysis takes into consideration fundamental variables (weather, supply & demand, etc.), technical trading and global financial trading impacts (interest rates, hedge fund activity, cross-market relationships, etc.)

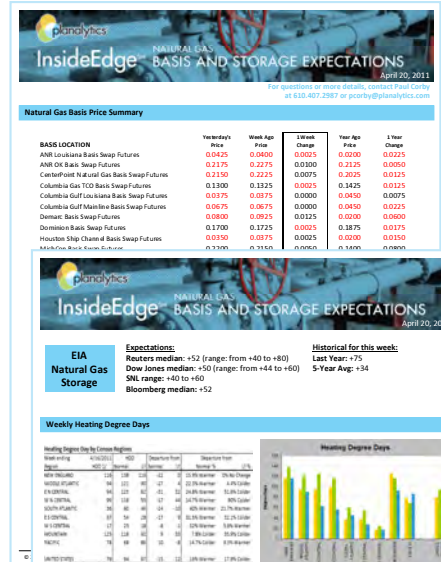
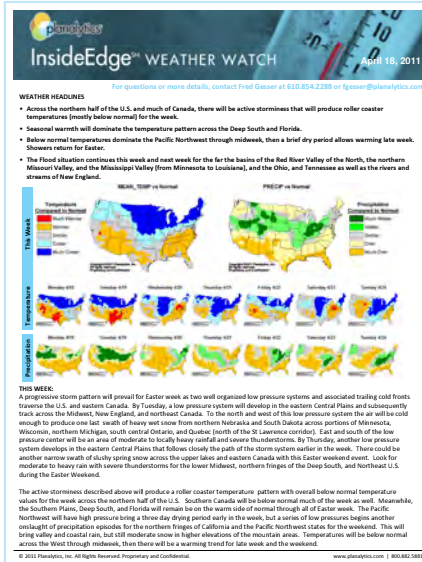
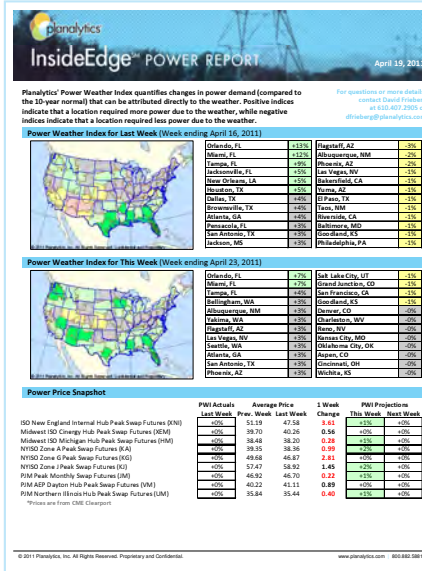
InsideEdgeSM Power Report summarizes weather's impact on demand for electric power during the previous week and projects the impact for the current week. Weather-Driven changes in power demand compared to the 10-year normal are shown for the U.S. along values for select cities. Regional power price data for the last week is also summarized with actual and projected demand variances.

InsideEdgeSM Natural Gas Basis and Storage Expectations reports weekly changes in basis prices for select locations and provides market expectations for the Energy Information Administration's (EIA) weekly natural gas storage report released on Thursdays. The report also includes cooling or heating degree day (CDD/HDD) data for the previous week and season-to-date.

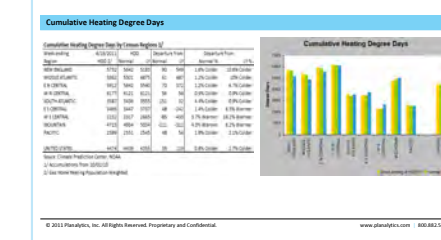
InsideEdgeSM Weather Watch provides a temperature and precipitation outlook for the current week and trends for the following week. Report includes regional summaries, daily/weekly weather maps and in-season tropical support.

Energy Alerts provide outlooks and updates sent ahead of major weather events (hurricanes, cold snaps, etc.) that impact energy markets.

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Planalytics InsideEdge Reports



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