

# Optional Data Sets by Source



12301 Research Blvd.  
Building IV, Suite 410  
Austin, TX 78759

U.S. Help Desk Phone: +1-800-546-9646 (or direct +1-512-697-3000), select ext. 3400

U.K. Help Desk Free Phone: 0800 032 6063

Europe Help Desk Phone: +44 20 7190 2947

Help Desk Email: [support@lim.com](mailto:support@lim.com)

+1-512-697-3001 (Fax)

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Logical Information Machines, Inc.  
120 North LaSalle Street  
Suite 2150  
Chicago, IL 60602

(312) 456-3000

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# Table of Contents

<b>Optional Data Sets by Source</b> .....	<b>1</b>
Introduction .....	1
Treatment of Daylight Savings Time .....	1
Alberta Electric System Operator (AESO) .....	1
American Stock Exchange (AMEX) Early End of Day Updates .....	1
Amsterdam Power Exchange (APX) .....	2
Argus .....	2
Argus Emissions (Europe) .....	3
Baker Hughes .....	3
Baltic Exchange .....	3
Bentek .....	4
BlueNext .....	4
Bonneville Power Administration Transmission Data .....	5
California Independent System Operator (CAISO) .....	5
Cantor Emissions Environmental Markets .....	6
C1 Energy .....	6
Chicago Board of Trade (CBOT) Early End of Day Updates .....	6
Chicago Mercantile Exchange (CME) .....	7
CME Weather Futures .....	8
COMPUSTAT .....	8
CQG .....	8
CustomWeather .....	9
Data Transmission Network (DTN) Grain Bid Data .....	9
Dewitt .....	10
DOE Diesel and Gasoline .....	10
Dow Jones Electricity Indexes .....	11
Early End of Day Updates from DDFPlus .....	12
EarthSat .....	12
Edison Electric Institute (EEI) .....	13
Enerdata .....	14
Energy Information Administration (EIA) Energy Electricity Generation .....	14
EnergyCurves (ECL) .....	14
Energy Information Administration (EIA) .....	15
Energy Reliability Council of Texas (ERCOT) .....	15
European Central Bank Exchange Rates (ECB) .....	16
European Energy Exchange (EEX) .....	16
European Interbank Interest Rate Market .....	16
Far East Oil Price (FEOP) Index .....	17
Fitch .....	17
Fortune .....	17

ForwardMarketCurve (FMC) .....	18
Genscape .....	18
German Oil Market Report (OMR) .....	19
GFI Europe .....	19
Global Insight (formerly DRI-WEFA) .....	19
Heren (Formerly PH Energy) .....	20
I/B/E/S .....	20
ICAP .....	21
ICE Data .....	21
ICIS-LOR .....	21
IMAREX (Freight Derivatives) .....	22
Implied Volatilities and Greeks .....	23
Independent Electricity System Operator (IESO) Transmissions Rights Auctions Data .....	23
Independent System Operator (ISO) Data .....	24
Industrial Information Resources (IIR) .....	24
Intelligence Press .....	24
Interactive Data .....	25
InterCapital .....	25
Italian Power Exchange (IPEX) .....	25
Kiodex Global Market Data .....	26
Liquidity Partners .....	26
LEBA (London Energy Brokers' Association) .....	26
LME (London Metal Exchange) .....	27
Markit .....	27
MDA EarthSat Weather .....	28
Midwest ISO (MISO) .....	28
National Association of Securities Dealers Automated Quotation (NASDAQ) Early End of Day Updates .....	29
Natural Gas Exchange (NGX) .....	29
New Electricity Reporting System (NETA) .....	30
New York Board of Trade (NYBOT) Early End of Day Updates .....	31
New York Independent System Operator (NYISO) .....	31
New York Mercantile Exchange (NYMEX/COMEX) Early End of Day Updates .....	31
New York Stock Exchange (NYSE) Early End of Day Updates .....	32
Nord Pool .....	33
Nuclear Reactor Status Data .....	33
NYMEX OTC .....	33
NYSE TAQ Database .....	33
OMEL Spanish Power Exchange .....	34
OMIP Iberian Energy Exchange (Portugal) .....	34
OneChicago .....	34
OPIS .....	35
OptionMetrics .....	35
OTE SA Czech Electricity Market Pricing .....	36
PJM Interconnection .....	36
Platts .....	36

Point Carbon .....	37
Polish Power Exchange .....	37
Powernext .....	37
Reuters DataScope .....	38
RIM Intelligence Co. ....	38
Romania Electricity .....	39
Southwest Power Pool (SPP) .....	39
Spectron Energy Data .....	40
Swaps Monitor (Financial Calendar) .....	40
Thomson Financial .....	40
Tradition Financial Services .....	41
United Power .....	41
US Army Corps of Engineers .....	42
US Department of Agriculture (USDA) Meat Report .....	43
Weathermarkets.com .....	43
weatherXchange .....	43
WM Reuters .....	44
WSI Weather .....	45
Zack's Investment Research, Inc. ....	45



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# Optional Data Sets by Source

## Introduction

LIM supplies "Survivor Bias Free-Databases" data from many reliable, reputable sources. Many of these vendors provide time-series data as part of our core database. This document lists vendors of optional data packages. For more information on our core data providers, see the [Core Data Sets by Source](#) document.

## Treatment of Daylight Savings Time

Data from various LIM vendors of US and European Electricity markets is quoted 24 x 7 on an hourly or more frequent basis. Because these markets typically adhere to local time zone patterns, there is a transition each year from the "Summer" clock (Daylight Savings Time or DST in the US) to the "Winter" clock. On the transition day, there are 25 hours in one day. LIM's data warehouse now captures values for the 25th hour and distributes the data to clients as a separate time series.

## Alberta Electric System Operator (AESO)

The Alberta Electric System Operator (AESO) brings together two former entities, the Power Pool of Alberta and the Transmission Administrator of Alberta. As an independent system operator, the Alberta Electric System Operator (AESO) leads the safe, reliable and economic operation and planning of Alberta's interconnected power system. The AESO also facilitates Alberta's hourly wholesale electricity market, which has more than 200 participants and \$5 billion in annual energy transactions, and is accountable for the overall coordination of provincial load settlement. Data supplied includes delayed and real-time actual, forecast demand and daily averages.

For more information on AESO, see their website at: [www.aeso.ca](http://www.aeso.ca). For pricing information please contact your local [LIM Sales Representative](#).

## American Stock Exchange (AMEX) Early End of Day Updates

LIM supplies end of day repeated snapshots of daily and intraday minute bar prices for AMEX equities. The data is available in two formats:

- Last sale price updates are delivered every 30 minutes from 4 - 6 p.m. (Eastern Time).
- Intraday minute bar prices are delivered once at 6 p.m. (Eastern Time).

Daily close prices update every 30 minutes from 4 - 6 p.m. (Eastern Time) and the intraday minute bar prices update once at 6 p.m. (Eastern Time).

For more information on AMEX, see their website at: [www.amex.com](http://www.amex.com). For pricing information please contact your local [LIM Sales Representative](#).

## Amsterdam Power Exchange (APX)

APX Group is Europe's premier provider of power and gas exchanges, operating markets in the Netherlands, the United Kingdom and Belgium. Day ahead index and volume data is available.

Vendor Contact information:

APX Group  
Strawinskylaan 729  
1077 XX Amsterdam, The Netherlands  
Phone: +31 (0) 20 305 4000  
Email: [apx@apx.nl](mailto:apx@apx.nl)

Website: [www.apxgroup.com](http://www.apxgroup.com)

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## Argus

Oil price and fundamentals data available includes crude oil worldwide; US, Latin American, European, CIS and Asian product markets, feedstocks and LPG. Hourly, forward and day-ahead electricity prices are available for the US, as well as detailed emissions trading and transportation information. Daily natural gas and electricity prices are available for Europe. Coal prices are available for the US and internationally. This data is available via a contract with the Argus organization.

Please contact the following Argus representatives for more information and pricing:

North America:  
Karen Johnson  
Argus Media  
Phone: 713.968.0000 x122  
Fax: 713.622.2991  
Email: [kjohnson@argusmediagroup.com](mailto:kjohnson@argusmediagroup.com)

Europe:  
Barbara Kalu  
Argus Media - Europe  
Phone: 44.7369.8792  
Fax: 44.20.7359.6661  
Email: [bkalu@argusmediagroup.com](mailto:bkalu@argusmediagroup.com)

Website: [www.argusonline.com](http://www.argusonline.com)

## Argus Emissions (Europe)

The environmental costs of operating a power plant or a refinery have become a major consideration in evaluating operational profit or loss. Governments have instituted trading programs to help companies manage these costs more efficiently. With the increased interest in controlling greenhouse gas emissions, these costs and programs are becoming increasingly important to all participants in the energy industry - from sellers of automotive fuels facing tighter specifications to developers of power plants subject to stricter output limits.

The daily Argus European Emissions Markets report covers the EU ETS trading scheme, Swedish elcertificates, UK Rocs and generation economics. It also includes the Argus Emissions Index.

Please contact the following Argus representatives for more information and pricing:

**North America:**

Karen Johnson

Argus Media

Phone: 713.968.0000 x122

Fax: 713.622.2991

Email: [kjohnson@argusmediagroup.com](mailto:kjohnson@argusmediagroup.com)

**Europe:**

Barbara Kalu

Argus Media - Europe

Phone: 44.7369.8792

Fax: 44.20.7359.6661

Email: [bkalu@argusmediagroup.com](mailto:bkalu@argusmediagroup.com)

Website: [www.argusonline.com](http://www.argusonline.com).

## Baker Hughes

Baker Hughes, a leader in oilfield services, creates value for oil and gas producers by providing practical technology to find, develop, produce and manage petroleum reservoirs. Baker Hughes supplies monthly and weekly data that summarizes rig counts world wide by geographic region.

For more information on Baker Hughes, see their website at: [www.bakerhughes.com](http://www.bakerhughes.com). For pricing information please contact your local [LIM Sales Representative](#).

## Baltic Exchange

Baltic Exchange members are at the heart of world trade, arranging for the ocean transportation of industrial bulk commodities from producer to end user. The bulk freight market relies on the co-operation of shipbrokers, shipowners and charterers to ensure the free flow of trade.

The Baltic Freight Indices, spot and forward freight assessments from the Baltic Exchange are available through LIM and the following are covered:

Daily Freight Index values for the following cargo types as published by the Baltic Exchange:

- Dry Cargo Index
- Panamax Dry Cargo Index
- Capesize Dry Cargo Index
- Handymax Dry Cargo Index
- Wet Clean Tanker Index
- Wet Dirty Tanker Index

Various spot and forward assessments for common shipping routes used by these cargo types.

The full list of coverage is available from the spreadsheet: [baltic\\_symbols.xls](#). Data frequency is daily Monday through Friday.

For more information about the Baltic Exchange, visit [www.balticexchange.com](http://www.balticexchange.com); LIM has a redistribution agreement with the Baltic Exchange and you should contact [sales@lim.com](mailto:sales@lim.com) for more information on accessing this optional data provider.

## Bentek

Pipe2Pipe™ from BENTEK Energy provides high quality, immediate market information about natural gas volumes and transportation flow – production, imports, pipeline flows, storage injections and withdrawals, and demand.

Bentek provides data on the flows of natural gas within the North American gas network.

For pricing or more information please visit the [Bentek website](#) or contact:

Rusty Braziel  
Email: [rbraziel@bentekenergy.com](mailto:rbraziel@bentekenergy.com)  
Phone: 303-988-1320

## BlueNext

BlueNext is an environmental exchange with global ambitions. BlueNext was incorporated on 21 December 2007 when NYSE Euronext and Caisse des Dépôt joined forces to create the world's largest exchange for

environmental-related products. With climate issues high on the green agenda and carbon becoming an internationally traded commodity, BlueNext plans to play a key role in using markets mechanisms to price and reduce greenhouse gas emissions. BlueNext Spot EUA is Europe's leading spot exchange for European Union Allowances (EUAs). It took over the carbon trading business of Powernext, launched on 24 June 2005.

For more information on BlueNext, please visit the [BlueNext website](#) or contact:

BlueNext

Email: [information@bluenext.eu](mailto:information@bluenext.eu)

Address: 25 rue Louis le Grand - 75002 Paris - France

Telephone: +33 1 73 03 73 00

Fax: +33 1 73 03 73 01

For pricing information please contact your local [LIM Sales Representative](#).

## Bonneville Power Administration Transmission Data

The Bonneville Power Administration, headquartered in Portland, Oregon, is a federal agency under the US Department of Energy. BPA serves the Pacific Northwest through operating an extensive electricity transmission system and marketing wholesale electrical power at cost from federal dams, one non-federal nuclear plant and other non-federal hydroelectric and wind energy generation facilities.

For more information on BPA, see their website at: [www.bpa.gov/corporate](http://www.bpa.gov/corporate). For pricing information please contact your local [LIM Sales Representative](#).

## California Independent System Operator (CAISO)

California ISO ensures equal access to 25,526 circuit miles of transmission lines and conducts open and fair markets that are used as a last resort to balance the system.

Supplied ISO data types include final procurement results, zonal average energy prices, system load, load and resource schedules, generation meter multipliers, tie meter multipliers, congestion zone reference prices, 7 day available transmission capacity, day ahead final branch group congestion market summary and day ahead zonal congestion price differences. Data is updated once daily with data of hourly frequency.

For more information on CAISO, visit their website at [www.caiso.com](http://www.caiso.com). For pricing information please contact your local [LIM Sales Representative](#).

## Cantor Emissions Environmental Markets

Cantor Emissions Environmental Markets address federal, state and local regulations of a variety of environmental issues. Coverage of supplied data, which is updated daily, includes the daily market report from Cantor on the North American OTC market for Nitrogen Oxide (NOx) and Sulfur Dioxide (SOx) emissions credit trading.

Pricing is vendor negotiated. For any pricing-related questions, please contact the following Cantor Emissions Environmental Markets representative:

Josh Margolis  
Phone: +1 (415) 296-9359 Ext: 1  
Email: [jmargolis@cantor.com](mailto:jmargolis@cantor.com)

For more information, visit the Cantor website at [www.emissionstrading.com](http://www.emissionstrading.com).

## C1 Energy

C1 is a leading source of market information on China's oil and LPG/gas markets. C1 can provide 3-year historical price series for all the major Chinese oil product markets.

For more information on C1 energy crude and product pricing, contact:

Mr. BT Gan  
Email: [btgan@c1energy.biz](mailto:btgan@c1energy.biz)  
Telephone: (86 20) 3762 0199

Visit the C1 Energy website at: [www.c1energy.net](http://www.c1energy.net).

## Chicago Board of Trade (CBOT) Early End of Day Updates

LIM supplies end of day repeated snapshots of futures settlement and intraday minute bar prices for CBOT. The data is available in two formats:

- Futures settlement price updates, delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).
- Futures intraday minute bar price updates, delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).

Supplied data:

- Soybean Oil
- Corn
- Fedfunds
- Muni Bond
- Oats
- Rough Rice
- Soybeans
- 2-Year Note
- 10 Year Note
- 30 Year Bond

For more information on CBOT, visit their website at [www.cbot.com](http://www.cbot.com). For pricing information please contact your local [LIM Sales Representative](#).

## Chicago Mercantile Exchange (CME)

LIM supplies end of day repeated snapshots of futures settlement and intraday minute bar prices for CME. The data is available in two formats:

- Futures settlement price updates, delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).
- Futures intraday minute bar price updates, delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).

Supplied data:

- Australian Dollar
- British Pound
- Canadian Dollar
- Eurodollar
- Goldman Sachs Index
- Japanese Yen
- Live Cattle
- Lean Hogs
- Midcap 400
- Nasdaq 100
- Pork Bellies
- Russell
- Swiss Franc
- S&P 500

For more information on CME, visit their website at [www.cme.com](http://www.cme.com). For pricing information please contact your local [LIM Sales Representative](#).

## CME Weather Futures

CME trades a number of weather based futures and options contracts. These are all based on HDD (heating degree days) and CDD (cooling degree days) values for various locations in the US, Europe and Asia.

LIM provides End of Day Settlement values (High, Low, Open, Close, Volume, Open Interest) for the following listed locations (US cities futures only): see the [list on the LIM website](#).

More information may be obtained from the CME website: [www.cme.com/trading/prd/env/index.html](http://www.cme.com/trading/prd/env/index.html). To order this optional data set, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## COMPUSTAT

COMPUSTAT data is one of the financial information industry's leading resources for in-depth financial information on publicly traded companies in the US and around the world. LIM is a licensed third-party distributor of the COMPUSTAT North America Xpressfeed Fundamental data. The Xpressfeed Fundamental data is updated daily and includes up to 20 years of annual and 48 quarters of quarterly fundamental data. Please see the [COMPUSTAT Data Guide](#) for information on the data set and organization in the MIM. For additional information, visit Standard & Poor's website at: [www.compustat.com](http://www.compustat.com).



LIM also offers an Oracle Xpressfeed Fundamental data implementation. Please contact your LIM sales representative ([sales@lim.com](mailto:sales@lim.com)) for more information.

For pricing, please contact:

Allison Harrington  
Regional Sales Director  
Phone: +1 (312) 233-7115  
Email: [allison\\_harrington@standardandpoors.com](mailto:allison_harrington@standardandpoors.com)

## CQG

The CQG DataFactory collects and maintains an extended historical database of futures and currency market activity from 1987 to the present.

The historical data available includes: agricultural, financial, petroleum, metals, foreign exchange (spot currency) rates, and stock market indexes. The data is available on a per-commodity basis. Each commodity may contain more than one contract month. If requested at the time of order, daily volume and open interest can be provided at no additional charge.

Data is extracted by the end of the exchange's trading day, which may or may not correspond to the CQG calendar day. US evening sessions are usually considered part of the next trading day. The time stamp for the data is Central Time (Chicago time).

Logical Information Machines can provide a customized delivery of CQG intra-day data packaged for your MIM upon request. Please coordinate your request with [sales@lim.com](mailto:sales@lim.com) in order to get an evaluation/estimate for your project.

For more information, visit the CQG website at: [www.cqg.com](http://www.cqg.com).

## CustomWeather

CustomWeather supplies clean, accurate, up-to-date daily historical climate data for approximately 30,000 locations around the globe - 2800 updated daily, 5000 updated bi-weekly. In addition, CustomWeather provides 30 year daily precipitation values globally. For detailed information on the data supplied, see the document "[Forecast and Historical Weather Data Available through LIM](#)".

For more information, see the CustomWeather website at: [www.customweather.com](http://www.customweather.com) or contact:

Murray Armstrong  
Sales & Business Development Director  
Phone: +1 (415) 777-2336  
Fax: +1 (415) 777-3003  
Email: [marmstrong@customweather.com](mailto:marmstrong@customweather.com)  
Address: Murray Armstrong, 26 South Park, San Francisco, CA 94107

## Data Transmission Network (DTN) Grain Bid Data

DTN provides industry specific data services for companies involved in agriculture, energy and financial markets. Across the Mid West of US and Canada, thousands of grain elevator companies purchase grain from farmers to store for later re-sale into the marketplace. The price the elevator companies are willing to pay for the different qualities of grain at different locations where they buy is typically "posted" to their existing customers.

DTN surveys elevator companies every afternoon to report the latest bid prices by grain type and by location. Data includes daily prices from 2,800 grain elevators around the country for its subscriber base of large farmers. The DTN database includes local and national price data for the following commodities:

- Corn (1993 to present)
- Soybeans (1993 to present)
- Wheat (1993 to present)
- Multiple additional commodities, including soybean meal, barley, cornmeal, sunflower oil and more.

[DTN Data Announcement](#) includes examples of how LIM coupled with DTN data were used to predict big moves in the market before they occurred. For information on purchasing this data set, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com). For more information, see the DTN website at: [www.dtn.com](http://www.dtn.com).

## Dewitt

DeWitt is a Specialized Consulting Company for the Petrochemicals business worldwide. They provide pricing and analysis for the petrochemical and related markets as well as spot gas contract pricing for petrochemical trading. DeWitt can supply LIM customers with any or all of the pricing that they make available at the marketplace.

For more information about coverage, please go to [www.dewittworld.com](http://www.dewittworld.com). Contact Chris McCloskey at [cmccloskey@dewittworld.com](mailto:cmccloskey@dewittworld.com) or call +1(713) 823-0239 for information about subscribing to the data.

## DOE Diesel and Gasoline

EIA conducts two weekly Computer Assisted Telephone Interview surveys that collect prices at the outlet level. The first is the EIA-888 which collects prices of diesel fuel from truck stops and service stations across the country each Monday morning. The second is the EIA-878 which collects prices of regular, midgrade, and premium motor gasoline by formulation from service stations across the country each Monday morning. Average prices of gasoline and diesel fuel through outlets at the five Petroleum Allocation for Defense District (PADD) levels, regions of the country, sub-PADD levels, and the state of California are released by the end of the day through Listserv, the Web, Fax, and telephone hotline.

The diesel fuel prices that are released are used by the trucking industry to make rate adjustments in hauling contracts. Gasoline prices are frequently quoted by the media, particularly during times of rising or falling prices, because of the general interest to the public. The gasoline prices have been used in analyses of the cost of the Environmental Protection Agency regulations requiring oxygenated and reformulated gasoline in specified non-attainment areas. The prices have also been used by the state of California in helping to

understand the high level of prices associated with their distinct market. Most importantly, they have provided national and state level legislators valuable independent, accurate and timely information during times of volatile markets and prevented the creation of unnecessary legislation in a free market system.

DOE Diesel and Gasoline supplies the following data: US East Coast (New England, Central Atlantic, Lower Atlantic), Midwest, Gulf Coast, Rocky Mountain, West Coast and California weekly retail on-highway diesel prices.

For information on purchasing this data set, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

For other information, visit the DOE Diesel and Gasoline website at: [tonto.eia.doe.gov/oog/info/wohdp/diesel.asp](http://tonto.eia.doe.gov/oog/info/wohdp/diesel.asp).

## Dow Jones Electricity Indexes

Dow Jones Electricity Indexes, calculated and published by Dow Jones Newswires, are benchmarks for pricing and hedging in the fast-paced US and European power markets. Considered the most reliable and broad-based pricing indexes available, Dow Jones Electricity Indexes are utilized extensively by power producers, marketers and utilities for pricing short- and long-term contracts and associated OTC hedging instruments. The indexes are also used by consultants, energy market analysts and regulators for cost assessment and analysis.

Supplied US data:

- California/Oregon Border Electricity Prices (COB)
- Cinergy Electricity Price Index (CINERGY)
- Four Corner Electricity Index symbols (4CORNER)
- Mead Market Place (MEAD)
- Mid Columbia Price Indexes (MID)
- NP15 Index (NP15)
- Palo Verde Electricity Indexes (PALO)
- Pennsylvania/New Jersey/Maryland Electricity Index (PJM)
- SP15 Index (SP15)

Supplied European data:

- Amsterdam Power Exchange Daily Spot Market Index (APX)
- GPI Index: EUR and USD (USD)
- Norway Sweden 52 Week Index (NSE)
- Select Power Index
- Spanish Pool

- Swiss Electricity Price Index (SWEP)
- Zeebrugge Gas Index (ZIG)

For more information on the Dow Jones Electricity Price Indexes, visit their website at [www.djnewswires.com](http://www.djnewswires.com). Pricing is available from Dow Jones Newswires. Contact Ernest Onukogu by phone at +1 (609) 520-4663.

## Early End of Day Updates from DDFPlus

LIM has filed as the ‘vendor of record’ for all exchange data received from the ddfplus feed ([www.ddfplus.com](http://www.ddfplus.com)) connection to the respective exchanges. The ddfplus data feed designs, develops and licenses a streaming market data feed, permitting financial market participants cost effective access to equities and futures markets.

From the ddfplus feed, LIM supplies settlement and intraday minute bar prices from AMEX, CBOT, CME, NASDAQ, NYSE and NYMEX/COMEX. These price feeds will be delivered immediately after market close on the day of settlement.

Supported markets include:

- [American Stock Exchange \(AMEX\)](#)
- [Chicago Board of Trade \(CBOT\)](#)
- [Chicago Mercantile Exchange \(CME\)](#)
- [National Association of Securities Dealers Automated Quotation \(NASDAQ\)](#)
- [New York Board of Trade \(NYBOT\)](#)
- [New York Stock Exchange \(NYSE\)](#)
- [New York Mercantile Exchange \(NYMEX/COMEX\)](#)

For more information, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## EarthSat

EarthSat supplies United States weather data sourced directly from the National Weather Services (NWS) and the National Climate Data Center (NCDC), including:

- Raw, Cleaned, and Edited Maximum and Minimum Temperatures (historical data, ongoing feeds, forecasts)
- Enhanced Maximum and Minimum Temperatures (historical data, ongoing data, monthly station reports)

- Raw, Cleaned, and Edited Precipitation (historical data, ongoing feeds, forecasts)

Historical data:

- Cleaned Max and Min Temperature Observations (climate)
- Cleaned Precipitation Observations (climate)
- Heating/Cooling Degree Days\*

Ongoing data:

- Max and Min Temperature Obs (raw/cleaned daily climate data, preliminary, and official final edited climate data)
- Precipitation Obs (raw/cleaned daily climate data, preliminary, and official final edited climate data)
- Heating/Cooling Degree Days\*

Forecast data:

- Max and Min Temperature Forecast
- Precipitation Forecast
- Heating/Cooling Degree Days\*

\* (LIM calculates heating degree days is 0 when the average is 65 or over and is  $(65 - \text{average})$  when under 65. Cooling degree days is 0 when the average is 65 or under and is  $(\text{average} - 65)$  when over 65. Average temperature is computed using  $(\text{high} + \text{low}) / 2$ .)

Contact the following EarthSat representative for pricing information.

Chris Hyde  
MDA Federal (EarthSat)  
[christopher.hyde@MDAFederal.com](mailto:christopher.hyde@MDAFederal.com)  
240.833.8322

For additional information, please visit the EarthSat website at [www.earthsat.com](http://www.earthsat.com).

## Edison Electric Institute (EEI)

EEI provides weekly generation statistics quoted in Gwh. This includes a US total and also the following regions: Central Industrial, Mid Atlantic, New England, Pacific North & South West, Rockies, South East, South Central, and West Central. Additionally, a weekly index is provided.

Please see [www.eei.org](http://www.eei.org) for more information. Edison Electric Institute data is available only to EEI members and subscribing non-members. Determine Your Company's Membership Status: [www.eei.org/about\\_EEI/membership/US\\_Shareholder-Owned\\_Electric\\_Companies/index.htm](http://www.eei.org/about_EEI/membership/US_Shareholder-Owned_Electric_Companies/index.htm)

## Enerdata

Enerdata provides daily and monthly pricing surveys for United States and Canadian Natural Gas with an emphasis on the Canadian market – where the company is the dominant publisher of gas prices at AECO and Empress hubs. LIM’s initial coverage of Enerdata natural gas pricing will include the monthly indices and averages as well as daily spot prices (published monthly in arrears) reported in Enerdata’s “Canadian Gas Price Reporter” publication (CGPR). Daily Enerdata pricing for North American trading hubs will be added as requested.

For more information, visit [www.enerdata.com](http://www.enerdata.com).

For information on pricing, please contact:

Richard Zarzeczny  
Enerdata  
Email: [richardz@enerdata.com](mailto:richardz@enerdata.com)  
Phone: +1 (905) 642-8167

## Energy Information Administration (EIA) Energy Electricity Generation

Energy Information Administration electrical generation data is now available from LIM. The data is collected from electric plants from EIA Form 906 (for electric plants) and EIA Form 920 (for combined heat and power plants).

For sales, contact [sales@lim.com](mailto:sales@lim.com). For more information, visit [www.eia.doe.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.doe.gov/cneaf/electricity/page/eia906_920.html).

The monthly forecasts from the EIA are US Energy trends for the next 245 months. EIA provides short-term outlook data for coal, electricity, macro economic, natural gas, petroleum and weather.

For more information, visit [www.eia.doe.gov/emeu/steo/pub/contents.html](http://www.eia.doe.gov/emeu/steo/pub/contents.html). For sales, contact [sales@lim.com](mailto:sales@lim.com).

## EnergyCurves (ECL)

LIM provides aggregated, forward curve brokerage data. Each individual broker's indicative end-of-day prices are independently compiled by LIM into a set of forward curves with these curves then prepared for redistribution to customers and other data vendors.

LIM independently aggregates end-of-day indicative prices from the following energy brokers:

- Amerex Energy ([www.amerexenergy.com](http://www.amerexenergy.com))
- ICAP Energy ([us.icapenergy.com](http://us.icapenergy.com))
- Prebon Energy ([www.prebonenergy.com](http://www.prebonenergy.com) or [www.prebon.com](http://www.prebon.com))
- TFS Energy ([www.tfsenergy.com](http://www.tfsenergy.com))

The data coverage will initially be the North American Gas and Power Markets.

For additional information, please visit: [www.EnergyCurves.com](http://www.EnergyCurves.com).

Pricing information for the EnergyCurves product line is available from:

Niall McCarthy  
Sales Manager  
Phone: +1(312)364-0046 ext. 18  
Email: [niall@lim.com](mailto:niall@lim.com)

## Energy Information Administration (EIA)

The Energy Information Administration (EIA), created by Congress in 1977, is a statistical agency of the US Department of Energy. The EIA provides policy-independent data, forecasts, and analyses to promote sound policy making, efficient markets, and public understanding regarding energy and its interaction with the economy and the environment.

EIA provides a weekly survey of natural gas storage levels. Information provided includes gas storage, gas storage capacity, and gas storage change. EIA also acquires data on coal consumption and railcar loadings. Please contact Roy Kass, phone: +1(202) 586-4790 or email: [Roy.Kass@eia.doe.gov](mailto:Roy.Kass@eia.doe.gov) or see the EIA website at: [www.eia.doe.gov](http://www.eia.doe.gov) for more information.

For pricing, please contact your [LIM Sales Representative](#).

## Energy Reliability Council of Texas (ERCOT)

Supplies day ahead hourly, 15 minute market clearing price (mcp) information and Replacement Reserve Service Daily Report information from the public website content for this Texas Independent System Operator (ISO). For more information, see their website at: [www.ercot.com](http://www.ercot.com).

For pricing, contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## European Central Bank Exchange Rates (ECB)

The ECB is the central bank for Europe's single currency, the euro. Euro foreign exchange reference rates are available for a number of currencies, updated daily.

For more information, visit [www.ecb.int/ecb/html/index.en.html](http://www.ecb.int/ecb/html/index.en.html). For sales, contact [sales@lim.com](mailto:sales@lim.com).

## European Energy Exchange (EEX)

European Energy Exchange offers spot and derivatives trading regarding power, gas, emission allowances and coal updated hourly.

Vendor Contact information:

Katrin Berken

Email: [katrin.berken@eex.de](mailto:katrin.berken@eex.de)

Phone: +49 (0) 341 / 2156 - 202

Hendrik Mestenhauser

Email: [hendrik.berken@eex.de](mailto:hendrik.berken@eex.de)

Phone: +49 (0) 341 / 2156 -451

European Energy Exchange AG

Neumarkt 9-19

04109 Leipzig, Germany

Website: [www.eex.com](http://www.eex.com)

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## European Interbank Interest Rate Market

European Interbank Interest Rate Market is a combination of Euribor, Eurepo, and Eonia Swap:

- Euribor - European Interbank Overnight Offered Interest Rate

- Eurepo - Eurepo is the rate at which one prime bank offers funds in euro to another prime bank if in exchange the former receives from the latter Eurepo GC as collateral.
- Eonia Swap - "EONIA Swap" is an interest rate swap transaction, where one party agrees to receive/pay a fixed rate to another party, against paying/receiving a floating rate named EONIA.

Websites include:

- Euribor - [www.euribor.org/default.htm](http://www.euribor.org/default.htm)
- Eurepo - [www.eurepo.org/default.htm](http://www.eurepo.org/default.htm)
- Eonia Swap - [www.eoniaswap.org/content/Default.asp?PageID=139](http://www.eoniaswap.org/content/Default.asp?PageID=139)

Please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com) for more information.

## Far East Oil Price (FEOP) Index

Launched in January 1994, the FEOP Index is a daily electronic averaging of the price levels of benchmark physical oil markets in Asia, as assessed and submitted by major oil companies, refiners, producers, end users, traders and brokers. For more information, see the FEOP website: [feopindex.com/cgi-bin/e-site/cgi-bin/type\\_list.pl?959327458](http://feopindex.com/cgi-bin/e-site/cgi-bin/type_list.pl?959327458) or contact the following FEOP representative: Bob Ellison - email: [bob@trader-resources.com](mailto:bob@trader-resources.com)

For pricing, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## Fitch

Fitch/IBCA provides data relating to equities money flow and also provides us with intraday (minute bar) information for the Dow 30 and OEX 100 stocks. Notice that the minute bar data will include stocks traded on the NYSE only. Contact your [LIM Sales Representative](#) for pricing.

## Fortune

We process the Fortune FFX and FEX Index prices from the [www.fortune.com](http://www.fortune.com) website. These indices are available free upon request.

## ForwardMarketCurve (FMC)

FMC provides robust, independent, neutral and accurate forward market curve data. FMC gathers data from the following participating brokers:

- Amerex - Singapore, Tokyo & London
- Aspen - Singapore & London
- Ginga - Singapore
- Intercapita - Singapore & London
- LibraFearnley - Paris
- Nordico - USA
- Prebon - Singapore & London
- PVM - Singapore & London
- Radix - Singapore
- Spectron - Singapore & London
- TFS - Singapore & London
- Tullett Liberty - Singapore & London

For more information, see the [FMC Brochure](#), the FMC website at: [www.forwardmarketcurve.com](http://www.forwardmarketcurve.com) or email Bob Ellison at: [bob@trader-resources.com](mailto:bob@trader-resources.com).

## Genscape

LIM carries intraday data for power plant generation in 46 US States. The data records the current MW capacity for individual power plants as well as outage capacity when a unit/plant is down.

For more information, see the Genscape website at [www.genscape.com/na/index.shtml](http://www.genscape.com/na/index.shtml) or contact the following Genscape representatives:

Amanda Arcone  
Office: +1 (502) 583-2780  
Cell: +1 (202) 276-0459  
Email: [amanda@genscape.com](mailto:amanda@genscape.com)

Michael McAuliffe  
Office: +1 (502) 583-4315  
Cell: +1 (312) 286-3277  
Email: [michael@genscape.com](mailto:michael@genscape.com)

## German Oil Market Report (OMR)

German inland petroleum products pricing for deliveries into Germany. For more information, contact LIM sales at: [sales@lim.com](mailto:sales@lim.com) or see the vendor website at: [www.omr.de/Frinhalt.htm](http://www.omr.de/Frinhalt.htm).

## GFI Europe

GFI Europe provides electricity forwards, options and strategies from the following markets: Germany, UK, France, Netherlands, Austria and Switzerland. For more information on the data, please contact Howard San, email [Howard.San@gfinet.co.uk](mailto:Howard.San@gfinet.co.uk).

For pricing information, please contact a LIM Sales representative at: [sales@lim.com](mailto:sales@lim.com). The vendor website is: [www.gfinet.com](http://www.gfinet.com).

## Global Insight (formerly DRI-WEFA)

LIM processes the following datasets from Global Insight:

- DRI International Economic Database (DRIINTL) covers over 6,400 key economic and financial indicators for 43 economies, including national income accounts, prices, production, trade, exchange and interest rates, money supply, and balance of payments.
- DRI Money Markets and Fixed Income Database (DRIFACS) includes global coverage of money, fixed income and currency markets, interbank and Eurodeposit rates, including multiple maturities and markets.

Extensive history back to 1970 includes over 21,000 series. Capital markets data available within hours of release by the source.

- DRI Financial Markets Indexes Database (INDEX) includes financial index data covering US and international markets for equities, fixed income instruments and commodities. History of more than 5,000 indexes is stored on a daily, weekly or monthly basis, including Dow Jones and S&P index history back to the early 1900s.
- Canadian Natural Gas Enerdata (cngas/spotprices) - Statistics from Canadian Enerdata LTD. Published in the Canadian Gas Price Reporter includes daily spot gas prices, number of transactions, and volume.
- FERC's Gas Market Report & Gaswire (mhgas/spotprices) - Monthly and semimonthly gas market statistics from Gas Market Report. Includes spot gas delivered to pipeline, city-gate, burner-tip, Henry Hub, cash, and monthly bidding results.
- McGraw-Hill's Power Markets Week (mhelec/spotprices) - Daily and weekly on and off-peak electricity prices. High, low and index prices from electricity dealers representing 15 regions of the US.
- Natural Gas Week (nwgas) - Weekly volume weighted and monthly bidweek delivered to pipeline spot gas prices on interstate pipeline systems, by company and geographic area. All service mentioned above are at additional cost to DRI.

Please contact Anthony Armando at: email: [anthony.armando@globalinsight.com](mailto:anthony.armando@globalinsight.com) or tel: +1-610-490-2713 for pricing details. For more information, visit the Global Insight website at: [www.globalinsight.com/](http://www.globalinsight.com/).

## Heren (Formerly PH Energy)

Heren (Formerly PH Energy) produces 'The Heren Report'. The "European Spot Gas Markets and European Daily Electricity Markets" section of 'The Heren Report' comprises the information we can provide as part of this service. For more information, contact Doug Strien, Sales, Heren Energy at phone: +44 (20) 8469 4704 or email: [douglas.strien@heren.com](mailto:douglas.strien@heren.com). Additional information can be found at [www.heren.com](http://www.heren.com).

## I/B/E/S

We take earnings estimates from IBES and apply them to our equities database. This can aid in trade opportunity generation when considering earnings surprises. Please check [www.ibes.com](http://www.ibes.com) for more information and pricing.

## ICAP

Since 1990, ICAP ([www.icap.com](http://www.icap.com)) has become the leading specialist in the oil derivatives markets, with teams in London and Singapore creating a coherent and visible two-way marketplace in the more actively traded over the counter (OTC) products. As a separate service, the company also provides access to a unique historical database of energy swap pricing, stretching back over ten years to the earliest days of these markets.

The optional dataset includes crude oil, crack spread and products swaps in North West European, Mediterranean and Far Eastern markets as well as UK forward electricity swaps. A separate database of strips pricing models the most popular swap pricing mechanisms for widely traded exchange futures contracts on the NYMEX and IPE. Data is updated daily, and pricing is vendor negotiated. For a complete list of all ICAP data supplied, please contact Olivier Roguez, [olivier.roguez@icap.com](mailto:olivier.roguez@icap.com), phone: +44 (20) 7000 5743.

## ICE Data

The IntercontinentalExchange is the world's leading electronic commodity trading platform. The IntercontinentalExchange established a market data services company that delivers unique and exclusive energy information directly. Data supplied includes daily settlement values for North American Natural Gas, and North American Power & Crude Oil.

Please contact Ed Fraim for more information on the dataset. Contact [sales@lim.com](mailto:sales@lim.com) for pricing information.

Address:  
ICE Data  
469 7th Avenue - Suite 1302  
New York, NY 10018  
Phone: +1 646 733 5018  
Email: [ed.fraim@10xGroup.com](mailto:ed.fraim@10xGroup.com)

Website: [www.intercontinentalexchange.com/marketData.html](http://www.intercontinentalexchange.com/marketData.html).

## ICIS-LOR

ICIS-LOR provides pricing information on the petrochemical and oil markets with reports published on more than 120 commodities, with a frequency ranging from four times per day to monthly. The pricing

information is gathered by a team of specialist editors and reporters based in London, Houston and Singapore.

The portfolio of services includes the following:

- Weekly reports for over 100 commodities
- Plant Performance data for chemical plants and refineries
- Chemical tanker shipping information
- Refinery feedstocks
- ICIS-LOR Price Alert Service
- Crude oils
- Oil products
- Jet fuel
- Base oils
- Semiconductors
- Petrochemical data reports. (Letters beside the report name are the regions covered: E = Europe, F = Far East, L = Latin America, U = USA):
  - Benzene – U
  - Ethylene – E, F, U
  - Ethylene Glycol – U
  - Methanol – E, U
  - MTBE (weekly) – U
  - PET – E
  - PET & Intermediates – U
  - Polyethylene – E, F, L, U
  - Polypylene – E, F, U
  - Polystyrene – E, F, U
  - Propylene – E, F, U
  - PVC – E, U
  - Styrene – E, F, U
- [Chemical Price Reports](#)

Please see [www.icislor.com](http://www.icislor.com) or call (888) 525-3255 for more information. A contract with ICIS-LOR is required to receive this information.

## IMAREX (Freight Derivatives)

Imarex is the only organized marketplace in the world for trading and clearing of freight derivatives. They offer full service brokerage including a trading platform and clearing house. The freight covered is for wet and dry cargoes with forward coverage of the same liquid route/vessel size combinations that are listed on the Baltic Exchange. LIM captures daily settlement values for clean and dirty tanker rates expressed in

percentage Worldscale, going forward 4 months, 6 quarters and two calendar years. The data service through LIM and pricing is available by arrangement with the exchange.

Please contact Mikal Boe at +47 23 89 42 27, or email [mikal.boe@imarex.com](mailto:mikal.boe@imarex.com).

See [www.imarex.com](http://www.imarex.com) for more information.

## Implied Volatilities and Greeks

Implied volatility can be used to monitor the market's aggregate view of the volatility of a particular quoted asset. Analysts will often calculate implied volatilities from actively traded options on a given asset and use these results to calculate the price of less actively traded options on the same underlying asset.

Option Greeks such as Delta, Gamma, Vega, Theta and Rho are useful in estimating risk when trading options. By looking at the Delta, one can see how the value of the option changes as the price changes. The Theta shows how fast the option loses value as it approaches expiration. The Vega shows what effect a change in the volatility will have on the option value. Finally, the Rho shows the change in the option value that results from movements in interest rates.

LIM stores implied volatilities and greeks for the following symbols:

- CL - NYMEX: Light, Sweet Crude Oil Futures
- HO - NYMEX: Heating Oil Futures
- HU - NYMEX: Gasoline Futures
- NG - NYMEX: Henry Hub Natural Gas Futures
- RB.UNL - NYMEX: RBOB Gasoline Futures
- FB - IPE: Brent Crude Futures
- FP - IPE: Gas Oil Futures

For information on implied volatilities and greeks and how they are organized in the MIM, please see the [LIM Implied Volatilities and Greeks Data Guide](#). For pricing information, please contact a [LIM Sales Representative](#).

## Independent Electricity System Operator (IESO) Transmissions Rights Auctions Data

Independent Electricity System Operator (IESO) Transmission Rights Auctions are held on a monthly and annual basis for the ownership of transmission rights which pay the holder compensation when the market price of electricity in one of the zones adjacent to Ontario is higher than the center. Data is updated daily.

ISO data supplied:

- Pre-Dispatch Unconstrained Energy Prices
- Hourly Dispatch Unconstrained Energy Prices
- 5 minute Dispatch Unconstrained Energy Prices
- Pre-auction Hourly Historical Zonal Pricing
- Transmission Interface Hourly History
- Outage Reports
- Hourly Zonal Demand Reports

For pricing or vendor contact information, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

Website: [www.theimo.com](http://www.theimo.com).

## Independent System Operator (ISO) Data

Midwest ISO (MISO), New England Power Pool (NEPOOL), New York Independent System Operator (NYISO), PJM Interconnect, ERCOT, Ontario Electricity Market Operator (IMO), California ISO (CAISO) and Alberta Electric System Operator (AESO) are currently provided. See [www.midwestmarket.org](http://www.midwestmarket.org), [www.iso-ne.com](http://www.iso-ne.com), [www.nyiso.com](http://www.nyiso.com), [www.pjm.com](http://www.pjm.com), [www.ercot.com](http://www.ercot.com), [www.theimo.com](http://www.theimo.com), [www.caiso.com](http://www.caiso.com), and [www.aeso.ca](http://www.aeso.ca) for more information. Please contact your [LIM Sales Representative](#) for more information and processing fees.

## Industrial Information Resources (IIR)

Industrial Information Resources provides daily summaries of plant outages for all US plants generating assets. Included is coverage on planned and unplanned outages. This data is crucial in assessing the impact of outages on market prices. For more information, please contact Paul Copello at 713-980-3430 (work) 713-501-2856 (cell) or [pcopello@industrialinfo.com](mailto:pcopello@industrialinfo.com).

## Intelligence Press

The Natural Gas Intelligence publication provides daily, weekly and monthly gas pricing information and is available with a separate agreement with Intelligence Press.

For more information on the data supplied or pricing, please contact:

James Geanakos  
Email: [james@intelligencepress.com](mailto:james@intelligencepress.com)  
Tel: +1 (703) 318-8848

Intelligence Press website: [www.intelligencepress.com](http://www.intelligencepress.com).

## Interactive Data

Coverage includes NYMEX and IPE options. For more information, please contact:

Pam Maiorana  
Account Manager  
Business Development Group  
Phone: +1 (212) 771-6973  
Email: [Pam.Maiorana@interactivedata.com](mailto:Pam.Maiorana@interactivedata.com)

The vendor website is: [www.interactivedata-prd.com](http://www.interactivedata-prd.com).

## InterCapital

Since 1990, InterCapital has become the leading specialist in the oil derivatives markets, with teams in London and Singapore creating a coherent and visible two-way marketplace in the more actively traded over the counter (OTC) products. As a separate service, the company also provides access to a unique historical database of energy swap pricing, stretching back over ten years to the earliest days of these markets. The optional dataset includes crude oil, crack spread and products swaps in North West European, Mediterranean and Far Eastern markets as well as UK forward electricity swaps. A separate database of strips pricing models the most popular swap pricing mechanisms for widely traded exchange futures contracts on the NYMEX and IPE. For more information contact Nicola Keenan, email: [Nicola.keenan@icap.com](mailto:Nicola.keenan@icap.com) or phone: +44 (20) 7000 5743. The InterCapital website is located at: [www.icap.com/](http://www.icap.com/)

## Italian Power Exchange (IPEX)

Italian Power Exchange market data provides day-ahead market index prices (MGP) from Italy. Prices are updated once daily with data of hourly frequency. For more information on coverage, please visit [www.mercatoelettrico.org](http://www.mercatoelettrico.org). For pricing, contact [sales@lim.com](mailto:sales@lim.com).

## Kiodex Global Market Data

Kiodex Global Market Data currently comprises over 350 different forward curves and volatility surfaces produced by Kiodex's expert market data development team. Kiodex generates the curves daily from a congregation of raw data received from a variety of reputable industry sources. A wide range of energy-intensive industries, both consumer end users and energy producers, use Kiodex data for pricing short- and long-term contracts and associated OTC hedging instruments, and for yielding independent valuations of their hedge portfolios.

The data supplied is a set of forward curves that includes representative price series from the crude oil, refined petroleum products and natural gas markets. Kiodex Global Market Data also includes a US risk-free rate curve, derived from a combination of money market rates, eurodollar futures prices and LIBOR swap rates.

For more detailed information on the dataset, visit the Kiodex website at: [www.sungard.com/kiodex](http://www.sungard.com/kiodex). To speak to a Kiodex representative, contact Rodney Greenwald, Energy Market Analyst at:

Phone: +1-877-6-KIODEX

Direct: +1-646-437-2607

Fax: +1-646-437-2610

## Liquidity Partners

Liquidity Partners is recognized worldwide for its expertise in facilitating physical and financial transactions in the Natural Gas Liquids and Olefins markets. Liquidity Partners currently provides its brokering and market data services to independent and integrated hydrocarbon producing and consuming companies, investment banks, hedge funds, trading and marketing companies, and utilities.

The data supplied is forward curve data for the NGL and Olefins markets.

For more information on the dataset, visit the Liquidity Partners website at: [www.liquidity-partners.com](http://www.liquidity-partners.com).

To speak to a Liquidity Partners representative, contact Lee Jackson at: +1 (713) 622-3001 or [lee@liquidity-partners.com](mailto:lee@liquidity-partners.com).

## LEBA (London Energy Brokers' Association)

The London Energy Brokers' Association (LEBA) was formed in 2003 to represent the interests of London-based energy brokers. The index and volume data is available for the following indices: LEBA Carbon Index, LEBA 0800 – 1000 Carbon Index, and LEBA Carbon Index – SPOT.

Visit the LEBA website at [www.leba.org.uk](http://www.leba.org.uk) for more information about the LEBA data sets.

For more information about LEBA data through LIM, please contact a LIM salesperson at [sales@lim.com](mailto:sales@lim.com).

## LME (London Metal Exchange)

The LME is the world's premier futures and options exchange for non-ferrous metals. LIM has signed a distribution Agreement with the LME to provide daily delayed settlement values for all commodities traded. The LIM data feed will be sourced through Global Insight. For a complete list of data, see the [LME coverage list](#). For more information visit [www.lme.co.uk](http://www.lme.co.uk).

For more information about LME data through LIM, please contact a LIM salesperson at [sales@lim.com](mailto:sales@lim.com).

## Markit

Markit Group Limited is the leading provider of independent, multi-asset class, high value services for the global financial market.

Data Supplied:

- **CDS Composites:** Markit provides CDS composite and contributor level data on over 2,600 individual entities with data at the tier, currency and documentation clause level. In this regard, Markit has data for over 12,500 individual CDS term structures. Over 4 years of historical pricing data is available for VaR analysis. In addition to RedCode, LIM provides convenient integration allowing the use of the same security reference keys for listed Equity issuers by Ticker & Cusip for complete analysis.
- **BOND Composites:** Markit provides daily bond composite and contributor level pricing on over 13,000 investment grade and non-investment grade bonds. Over 2 years of historical data is available for VAR analysis.
- **Itraxx Europe Index / Itraxx Europe Tranche Index:** Markit provides a full data service on the iTraxx credit index family. Full index dataset provided to subscribers with subset publicly available on the website.
- **CDX Index / CDX Tranche Index:** Markit provides index history and daily composite pricing spreads to subscribers. Markit is the official pricing agent for the DJ CDX Daily Fixings. Daily, we collect prices from CDX licensed dealers, calculate the fixing, and publish the results for the wider public. Markit publishes definitive closing and intra-day marks for the major credit derivative indices traded in the market today as well as the definitive intrinsic level for each index. Closing levels and associated correlations are also available for the index tranches trading based on CDX and iTraxx.

For more information see the Markit website at [www.markit.com/marketing/index.php](http://www.markit.com/marketing/index.php) or contact Michael Raber, [michael.raber@markit.com](mailto:michael.raber@markit.com).

For pricing information please contact your [LIM Sales Representative](#).

## MDA EarthSat Weather

MDA Federal Inc. (formerly Earth Satellite Corp) supplies United States weather data sourced directly from the National Weather Services (NWS) and the National Climate Data Center (NCDC).

- Raw, Cleaned, and Edited Maximum and Minimum Temperatures (historical data, ongoing feeds, forecasts)
- Enhanced Maximum and Minimum Temperatures (historical data, ongoing data, monthly station reports)
- Raw, Cleaned, and Edited Precipitation (historical data, ongoing feeds, forecasts)

MDA Federal Inc. supplies:

- Historical Data:
  - Cleaned Max and Min Temperature Observations (climate)
  - Cleaned Precipitation Observations (climate)
  - Heating/Cooling Degree Days\*
- Ongoing Data:
  - Max and Min Temperature Obs (raw/cleaned daily climate data, preliminary, and official final edited climate data)
  - Precipitation Obs (raw/cleaned daily climate data, preliminary, and official final edited climate data)
  - Heating/Cooling Degree Days\*
- Forecast Data:
  - Max and Min Temperature Forecast
  - Precipitation Forecast
  - Heating/Cooling Degree Days\*

\* LIM calculates heating degree days is 0 when the average is 65 or over and is  $(65 - \text{average})$  when under 65. Cooling degree days is 0 when the average is 65 or under and is  $(\text{average} - 65)$  when over 65. Average temperature is computed using  $(\text{high} + \text{low}) / 2$ .

For additional information about coverage, please visit [www.mdafederal.com](http://www.mdafederal.com). Contact David Whitehead at [david.whitehead@MDAFederal.com](mailto:david.whitehead@MDAFederal.com) or call +01 (1) 240 833-8233.

As part of a broad re-branding initiative by its parent company, MacDonald Dettwiler and Associates Ltd. (MDA), Earth Satellite Corp., of Rockville, MD, is being renamed MDA Federal Inc. From now on, the company will conduct its business under the common brand name “MDA.”

For more info visit: [www.mdafederal.com/press/news\\_item.mdarenaming](http://www.mdafederal.com/press/news_item.mdarenaming).

## Midwest ISO (MISO)

Midwest ISO market data provides a 7-day forecast report providing load capacity and outage data and Locational Marginal Pricing (LMP) for Midwest network nodes, each providing hourly day ahead and real time LMPs. Data is updated once daily, with hourly frequency.

ISO data supplied includes: LMP Value, Marginal Cost Congestion, Marginal Cost Loss, a Look Ahead 7-day Forecast Report, Real Time Reports, and Monthly Source Sink Clearing Prices.

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

Vendor contact information:

CARMEL OFFICE

701 City Center Drive

Carmel, IN 46032

Phone: +1 (317) 249-5400

Fax: +1 (317) 249-5910

ST. PAUL OFFICE

1125 Energy Park Drive

St. Paul, MN 55108

Phone: +1 (651) 632-8400

Fax: +1 (651) 632-8417

Website: [www.midwestmarket.org](http://www.midwestmarket.org).

## National Association of Securities Dealers Automated Quotation (NASDAQ) Early End of Day Updates

LIM supplies end of day repeated snapshots of daily and intraday minute bar prices for NASDAQ equities. The data is available in two formats:

- Last sale price updates are delivered every 30 minutes from 4 - 6 p.m. (Eastern Time).
- Intraday minute bar prices are delivered once at 6 p.m. (Eastern Time).

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## Natural Gas Exchange (NGX)

NGX is a leading North American energy exchange based in Calgary. Since 1994, NGX's unique market model has provided traders with one of the most highly liquid, secure and efficient environments available

for trading and clearing natural gas and electricity contracts. NGX is wholly owned by TSX Group, which collectively manages all aspects of Canada's senior and junior equity markets.

LIM offers two data sets containing NGX data. The public set of NGX data offered by LIM contains price indices for natural gas at the following locations: Alberta, Emerson, Empress, Station #2 and Union Dawn. The private set of NGX data offered by LIM contains US and Canadian forward market settlement data by hub location, as traded on the NGX.

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

Vendor Contact Information:

Myles Marshall  
Email: [Myles.Marshall@ngx.com](mailto:Myles.Marshall@ngx.com)  
Phone: 403 974 1768

Address:  
Natural Gas Exchange Inc.  
Suite 2330, 140 - 4th Avenue SW  
Calgary AB T2P 3N3

Website: [www.ngx.com](http://www.ngx.com).

## New Electricity Reporting System (NETA)

The Balancing Mechanism Reporting System (BMRS) provides data about the Balancing Mechanism which is used by the National Grid as a means of balancing power flows on to and off the electricity Transmission System in Great Britain.

Data available includes balancing services adjustment data as well as day and day ahead data for demand and generation. Data is reported in 1/2 hour increments.

Vendor Contact information:

John Chennells  
Email: [chennellsj@logica.com](mailto:chennellsj@logica.com)  
Phone: +44 207 446 3036

Website: [www.bmreports.com/bwx\\_home.htm](http://www.bmreports.com/bwx_home.htm)

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## New York Board of Trade (NYBOT) Early End of Day Updates

LIM supplies settlement and intraday minute bar prices for NYBOT. The data supplied (more information available soon) is available in two formats:

- Futures settlement price updates are delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).
- Futures intraday minute bar prices are delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).

Daily close settlement prices update every 15 minutes from 2 - 4 p.m. (Eastern Time) and the intraday minute bar prices update every 15 minutes from 2 - 4 p.m. (Eastern Time).

For pricing or vendor contact information, please contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

Website: [www.nybot.com](http://www.nybot.com).

## New York Independent System Operator (NYISO)

NYISO is a non-profit organization formed in 1998 as part of the restructuring of New York State's electric power industry. Its mission is to ensure the reliable, safe and efficient operation of the State's major transmission system and to administer an open, competitive and nondiscriminatory wholesale market for electricity in New York State. LIM's NYISO dataset begins on November 18, 1999 and is updated daily.

Visit the NYISO website at: [www.nyiso.com](http://www.nyiso.com).

## New York Mercantile Exchange (NYMEX/COMEX) Early End of Day Updates

LIM supplies end of day repeated snapshots of futures settlement and intraday minute bar prices for NYMEX & COMEX. The data is available in two formats:

- Futures settlement price updates are delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).
- Futures intraday minute bar prices are delivered every 15 minutes from 2 - 4 p.m. (Eastern Time).

Data supplied:

The following NYMEX futures contracts are supported:

- CL – Crude Oil NYMEX
- NG – Natural Gas NYMEX
- HO – Heating Oil NYMEX
- HU – Unleaded NYMEX
- PN – Propane NYMEX
- NYMEX\_JM – PJM Monthly Electricity NYMEX
- NYM.COAL – Coal NYMEX

The following COMEX futures contracts are supported:

- GC – Gold
- SI – Silver
- HG – Copper
- ALMN – Aluminum
- PA – Palladium
- PL – Platinum

Daily close settlement prices update every 15 minutes from 2 - 4 p.m. (Eastern Time) and the intraday minute bar prices update every 15 minutes from 2 - 4 p.m. (Eastern Time).

For pricing or vendor contact information, please contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

Website: [www.nymex.com](http://www.nymex.com).

## New York Stock Exchange (NYSE) Early End of Day Updates

LIM supplies end of day repeated snapshots of daily and intraday minute bar prices for NYSE equities. The data supplied is Last Sale, and is available in two formats:

- Last sale price updates are delivered every 30 minutes from 4 - 6 p.m. (Eastern Time).
- Intraday minute bar prices are delivered once at 6 p.m. (Eastern Time).

Daily close prices update every 30 minutes from 4 - 6 p.m. (Eastern Time) and the intraday minute bar prices update once at 6 p.m. (Eastern Time).

For pricing or vendor contact information, please contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

Website: [www.nyse.com](http://www.nyse.com).

## Nord Pool

Nord Pool, The Nordic Power Exchange, is the world's first multinational commodity exchange for electric power. Established in 1993, Nord Pool is owned by the two national grid companies, Statnett SF in Norway (50%) and Svenska Kraftnät in Sweden (50%).

Nord Pool's goals are to serve as an example for, as well as actively participate in, the development of exchange trading of electric power in Europe's deregulated power markets. Nord Pool is also the marketplace for trading electric power in the Nordic countries.

Nord Pool ASA has three business areas: trading, clearing and information. Please see [www.nordpool.com](http://www.nordpool.com) for more information. Contact your [LIM Sales Representative](#) for detailed data offering information.

## Nuclear Reactor Status Data

Government reported nuclear reactor status data. For more information see the website: [www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/](http://www.nrc.gov/reading-rm/doc-collections/event-status/reactor-status/) or contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## NYMEX OTC

Daily settlement prices for OTC financial products cleared by the NYMEX Clearport system for US Gas, Power and Oil derivatives. Contact a LIM Sales Representative for more information: [sales@lim.com](mailto:sales@lim.com). See the NYMEX website at: [www.nymex.com](http://www.nymex.com).

## NYSE TAQ Database

The New York Stock Exchange Trade and Quote (TAQ) database contains intraday transactions data (trades and quotes) for all securities listed on the New York Stock Exchange (NYSE) and American Stock Exchange

(AMEX), as well as NASDAQ National Market System (NMS) and SmallCap issues. The TAQ data can be historically adjusted on the fly using the MIM querying functionality. This is available as either daily or at 1 minute execution.

Contact your [LIM Sales Representative](#) for detailed data offering information.

## OMEL Spanish Power Exchange

The Spanish Power Exchange (Operadora del Mercado Espanol de Electricidad) supplies day ahead hourly electricity volume and marginal price data for Spain.

Vendor Contact information:

Jose F. Barcelo

Email: [jbarcelo@omel.es](mailto:jbarcelo@omel.es)

Phone: +34 16 59 89 12

Compania Operadora del Mercado Espanol de Electricidad, S.A. (OMEL)

Alfonso XI, 6

28014 Madrid, Spain

Website: [www.omel.com/frames/en/index\\_eng.jsp](http://www.omel.com/frames/en/index_eng.jsp)

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## OMIP Iberian Energy Exchange (Portugal)

Portugal's power market operator provides Daily Futures Settlement Prices.

For more information on OMIP see their website at [www.omip.pt](http://www.omip.pt). Contact your [LIM Sales Representative](#) for detailed data offering information.

## OneChicago

OneChicago is an electronic exchange providing futures on individual stocks, narrow-based indices, and ETFs. OneChicago is a joint venture of the following futures exchanges: Chicago Board Options Exchange (CBOE), Chicago Mercantile Exchange (CME) and Chicago Board of Trade (CBOT).

Data supplied includes Single Stock Futures from the OneChicago electronic exchange. A OneChicago single stock futures contract is an agreement for delivery of shares of a specific stock at a designated date in the future, called the expiration date. The size of a OneChicago single stock futures contract is 100 shares of the underlying stock.

For more information, see the links for [Security Futures Overview](#) and [Expiration Dates](#) on the OneChicago website. Visit the OneChicago website at: [www.onechicago.com](http://www.onechicago.com).

## OPIS

Oil Price Information Service (OPIS) is the most widely accepted fuel price benchmark for supply contracts and competitive positioning. It's used as the benchmark by the world to buy and sell US gasoline, diesel, LP-gas, jet fuel, crude, propane, feedstocks, resid, kerosene, and MTBE.

LIM provides OPIS data for the following datasets:

- OPIS Refined Products – US East and West Coast daily refined spot prices plus mid-day updates for East Coast locations.
- OPIS Rack and Terminal Rack data delivered on a Net and Gross basis every day for over 300 US Cities by supplier or in summary.
- OPIS Crude Postings – North American Crude Postings by refiners buying domestic US crude production.
- OPIS LPG – LPG spot US and Canada pricing daily as well as detailed company postings for Propane.
- OPIS Feedstocks – Daily US refinery feedstock pricing.

Additional OPIS coverage is available upon request. Please contact Katy Jeffries, Account Executive at email: [kjeffries@opisnet.com](mailto:kjeffries@opisnet.com) or phone: 888-301-2645 x2427 for pricing and contract information or see [www.opisnet.com](http://www.opisnet.com).

## OptionMetrics

From OptionMetrics, LIM obtains Ivy DB, supplying historical option prices and their associated underlying instruments, [implied volatility](#), and option sensitivities (delta, gamma, vega/kappa, and theta). Data is from all US exchanges - listed and NASDAQ equities and market indices, as well as all US listed index and equity options, starting from January, 1996 -- more than six years of data. An additional set of standardized at-the-money-forward options is constructed via interpolation for each underlying series every day, and implied volatilities are computed at 30, 60, 91, 182, and 365 day expirations (longer expirations are available for some series). See [www.optionmetrics.com](http://www.optionmetrics.com) for more details. Contact your [LIM Sales Representative](#) for data offering and pricing information.

## OTE SA Czech Electricity Market Pricing

Provides day ahead intraday 24 hour price and volume data for the Czech electricity market. For more information, see the website: [www.ote-cr.cz](http://www.ote-cr.cz). For pricing, please contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## PJM Interconnection

PJM Interconnection is a limited liability non-stock company. PJM operates and controls the majority of the electric power system throughout sections of five Mid-Atlantic states and the District of Columbia. PJM supplies hourly locational marginal energy prices for over 2000 zones. Data goes back to July 1998.

- Day Ahead and Real-Time LMP Pricing for 3000+ Locations
- Day Ahead FTR Zone Data (Transmission Rights Auctions)
- Forecast Generation Outages
- Daily Energy Market Bid Data
- FTR Auction Bid Data – Monthly and Annual
- Generation and EHV Losses
- Net Tie Schedules
- Load Data
- Daily Spinning Market Data
- Day Ahead and Real Time Transmission Constraints
- Historical Metered Load
- Preliminary and Projected Load
- Capacity Credits Data

For more information, see the PJM website at: [www.pjm.com](http://www.pjm.com). For pricing, please contact your local [LIM Sales Representative](#).

## Platts

We process all Platts series via their ftp method of delivery. Sources covered include: API Statistics, Bunkers, Chemicals, Crudes (see the [Brent Crude Data Announcement](#), [WTI Platts Announcement](#)), Power Markets Week - Electricity, Feedstocks, Products, Racks, Tankers, Yields, LPG, Lubes, Metals, Inside FERC Natural Gas, Netbacks, and Postings. In addition, European gas and electricity information is available. [See this link for more details](#).

Please contact [support@platts.com](mailto:support@platts.com) or phone 1-800-752-8878 or 212-904-3070 to arrange a subscription.

## Point Carbon

Point Carbon provides quotes for European emissions markets. The European emissions market is based on carbon emission targets which are provided to participants each year. If you don't meet the target, you must pay a penalty or provide emission credits to make up your deficit. If you beat the target, you get credits awarded. The market is based on brokerage of those needing credits buying from those who have them. The credits are traded in annual increments to follow the annual targets. For vendor contact and pricing, please email: [contact@pointcarbon.com](mailto:contact@pointcarbon.com) or phone: +47 22 40 53 40. For more information, see the Point Carbon website at: [www.pointcarbon.com](http://www.pointcarbon.com).

## Polish Power Exchange

The Polish Power Exchange provides a non-obligatory electricity market in Poland, including cross-border trade activities and futures trading of derivatives and other energy sources. The data supplied is day ahead index and volume electricity data that is updated hourly. Visit [www.polpx.pl/index\\_e.htm](http://www.polpx.pl/index_e.htm) for more information. Contact [sales@lim.com](mailto:sales@lim.com) for pricing.

## Powernext

Powernext Day-Ahead provides a short term price reference to manage the volume risk and has 67 members among producers, suppliers, eligible consumers, distributors and traders. Data provided includes French day ahead index and volume electricity data updated hourly and daily.

Vendor Contact information:

Audrey Mahuet  
Powernext SA  
25, rue Louis le Grand  
75002 Paris  
Phone: +33 (0)1 73 03 96 05  
Email: [a.mahuet@powernext.fr](mailto:a.mahuet@powernext.fr)

Website: [www.powernext.com/index.php?newlang=eng](http://www.powernext.com/index.php?newlang=eng)

For pricing information, contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## Reuters DataScope

Reuters DataScope is a total solution for historical and reference data needs. It offers comprehensive and accurate equities, fixed income, money markets, and futures data with a choice of delivery options from web based to an on-site relational database. For more information and pricing please contact the following Reuters DataScope representative:

Dan Dosen  
Reuters Solutions  
6th Floor - 88 Kearny Street  
San Francisco, CA 94108  
Office: +1 (415) 677-2584  
Mobile: +1 (415) 850-8102  
Email: [dan.dosen@reuters.com](mailto:dan.dosen@reuters.com)

The following datasets are available:

- Reuters DataScope for Equities - includes equity pricing data for 100+ global markets
- Reuters DataScope Select - includes millisecond and equity pricing data for 100+ global markets
- Reuters DataScope Tick - includes equity pricing data for 100+ global markets

For more information, see the [Reuters DataScope vendor page](#) on the LIM website.

Website: <http://about.reuters.com/productinfo/datascope>.

## RIM Intelligence Co.

RIM Intelligence Co. established in 1984 is Japan's independent Oil Market Reporting Service. RIM provides up-to-date news on the Asia-Pacific and Arabian Gulf oil markets. RIM supplies:

- RIM Crude (Spot crude oil price information) - This information service from Japan traces the latest spot crude oil trading in Asia. Reflects the assessments of the three world benchmark crudes (WTI, Brent, and Dubai) and the major 45 grades in the Asia-Pacific and Arabian Gulf markets. Coverage includes late-day Tokyo prices and end-of-day New York and London prices for WTI, Brent and Dubai, and futures prices from NYMEX and IPE.
- RIM Products (Oil product price information for Japan/Asia) - Coverage includes: end-of-day price assessments for product cargoes C&F Japan, FOB Singapore, FOB South Korea, and Arabian Gulf; in-depth commentaries on each market; futures prices from TOCOM Energy Futures; end-of-day marine fuel oil and diesel oil prices at major Far East ports; Japanese domestic spot product prices and commentaries,

all spot cargo transactions in the region, product tender status and award reports, market news; and important statistics.

- RIM Bunker (Bunker oil price information) - Reflects bunker oil prices at 28 major ports around the world. The coverage includes: closing prices for marine fuel oil and diesel oil prices at 28 major bunkering ports, posted price adjustments, and commentaries on supply-demand conditions.
- RIM LPG (Report LP gas price information) - Provides daily price assessments and market commentaries on the following markets: from overseas FOB prices mainly in the Middle East, to domestic on-land rack prices: Arabian Gulf, CFR Japan, CFR China (both refrigerated and pressurized cargoes), Ex-terminal domestic China, CP swaps, Ex-terminal domestic Japan, Calorific values, and Term contracts/postings. Also covered is tanker freight rates, government statistics and bid information.

For more information and pricing on the RIM data, please contact:

Mr. Yanagi  
Kato-Bldg 5G, 2-15, Kanda-Sakuma Cho  
Chiyoda-Ku, Tokyo 101-0025, Japan  
Phone: +813 3865 4221  
Fax: +813 3865 4241  
Email: [rim@gol.com](mailto:rim@gol.com)

## Romania Electricity

OPCOM plays the role of electricity market administrator, as stated in the primary and secondary legislation in force, providing an organized, viable and efficient framework for the commercial transactions traded within the wholesale power market, in conditions of consistency, fairness, objectivity, independence, equidistance, transparency and non-discrimination.

For more information, visit the [OPCOM website](#) or:

Phone: +004 021 3071 450  
Fax: +004 021 3071 400  
Address: Bd. Hristo Botev 16-18, sector 3, Bucuresti, CP.030236, ROMÂNIA

For pricing information, please contact your [LIM Sales Representative](#).

## Southwest Power Pool (SPP)

SPP is a Regional Transmission Organization, mandated by the Federal Energy Regulatory Commission to ensure reliable supplies of power, adequate transmission infrastructure, and competitive wholesale prices of

electricity. SPP has 47 members across 8 Southwestern states. SPP provides Hourly Locational Imbalance Prices (LIPs) and Hourly Substitute Locational Imbalance Prices.

For more information on Southwest Power Pool, visit the websites: [www.spp.org](http://www.spp.org). For pricing information, please contact your [LIM Sales Representative](#).

## Spectron Energy Data

Spectron ([www.spectrongroup.com](http://www.spectrongroup.com)) is a leading, established and specialized provider of services to the energy trading industry. It provides a neutral marketplace for OTC transactions in natural gas, electricity, crude oil and petroleum products, allowing clients to trade both physical and financially settled energy products. Spectron supplies daily updated European natural gas and electricity data, which includes OTC and index prices.

For information on the data layout in the MIM, query examples, and a more detailed description of the data, go to the [Spectron Optional Data Vendor Document](#). For pricing information or data questions, please contact a LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

## Swaps Monitor (Financial Calendar)

The holiday Financial Calendar data is available from Swaps Monitor. The holiday data extends over 90 years into the future for over 470 financial centers around the world, including bank and stock exchange holidays.

For information on Swaps Monitor, see the website: [www.swapsmonitor.com](http://www.swapsmonitor.com). For detailed information on the Financial Calendar holiday data, see the Financial Calendar website at: [www.financialcalendar.com/products/general.htm](http://www.financialcalendar.com/products/general.htm).

To contact a Swaps Monitor, Financial Calendar representative please email: [info@financialcalendar.com](mailto:info@financialcalendar.com).

## Thomson Financial

Thomson Financial employs a rigorous quantitative model to identify which analysts have historically been most accurate at forecasting earnings for each security and places greater emphasis on their estimates. The result is an "Expert" earnings per share forecast, which is generally more accurate than the consensus and is a valuable tool for identifying potential earnings surprise candidates. Thomson "Expert" estimates are

updated daily for approximately 4,500 US companies (and select ADRs). In addition to offering Thomson Financial Earnings data, LIM now carries the Thomson Insider Trading Model data as an optional package for your MIM. As of 2002, the US Securities and Exchange Commission (SEC) requires insiders to report their transactions before the 2nd business day following the transaction. The Thomson Insider Trading Model assigns a daily score based on market capitalization to each of the largest 5,000 US companies. The assigned score ranges from: -4 (for strong sell or avoid position) to +4 (strong buy position).

To learn more about the Thomson Insider Trading Model and the criteria against which the companies are scored, see the "Thomson Equity Strategies Institutional Offerings" document.

For more information on Thomson Financial, visit the websites: [www.thomsonfinancial.com](http://www.thomsonfinancial.com) and [www.thomsonequitystrategies.com](http://www.thomsonequitystrategies.com). For pricing information, please contact your LIM Sales Representative.

## Tradition Financial Services

Tradition Financial Services (TFS) since 1989 has had a significant presence in the global energy markets. TFS has a team dedicated to providing derivatives across the entire energy spectrum. TFS has global operations in the power, natural gas, crude oil, refined products and environmental markets and is able to provide historical and daily price data on all these products. TFS is part of Compagnie Financière Tradition (CFT), one of the world's largest brokers in OTC financial and non-financial products.

The data supplied includes European Coal and US Coal, SoX and NoX, EU Emissions (ETS and CER's %) oil, refined products, UK, Dutch and Eastern European power.

For questions or information on pricing, please contact Matt Evans, email: [matthew.evans@tfsbrokers.com](mailto:matthew.evans@tfsbrokers.com) or phone: +44 (20) 7198 1540.

Website: [www.tfsbrokers.com](http://www.tfsbrokers.com)

## United Power

United Power is the coal and emissions brokerage division of ICAP United, Inc., a subsidiary of ICAP plc, the world's largest inter-dealer broker. The group is active in the wholesale market for OTC derivatives, fixed income securities, money market products, foreign exchange, energy, credit and equity derivatives. United Power's staff of over 40 brokers, serve over 500 industry clients across the three major energy market segments; physical energy - crude oils, gasoline, distillates, jet fuel, coal and emissions; energy derivatives - crude, fuel oil, natural gas NYMEX swaps, emissions derivatives and coal swaps; and energy futures - NYMEX floor brokerage, introducing Broker services and technical advisory services.

The data supplied includes United Power, coal and emissions data.

For coal information, please contact:

Dan Vaughn, Director Coal Services  
250 Lakewood Drive, Ste 5502  
Hollister, MO 65672  
Phone: +1 (417) 336-5582  
Fax: +1 (417) 336-5583  
Email: [Daniel.Vaughn@us.icapenergy.com](mailto:Daniel.Vaughn@us.icapenergy.com)

For emissions information, please contact:

Tim Gibson, Managing Director Emission Desk  
245 Commerce Green  
Sugar Land, TX 77478  
Phone: +1 (281) 340-8300  
Fax: +1 (281) 340-8308  
Email: [tgibson@unitedpwr.com](mailto:tgibson@unitedpwr.com)

## US Army Corps of Engineers

The US Army Corps of Engineers supplies US government hydro dam levels data for 25 locations:

- Albeni Falls Dam Columbia Basin
- Bonneville Dam Columbia Basin
- Cougar Dam Willamette Basin
- Chief Joseph Dam Columbia Basin
- Detroit Dam Willamette Basin
- Dworshak Dam Snake Basin
- Foster Dam Willamette Basin
- Grand Coulee Dam Columbia Basin
- Green Peter Dam Willamette Basin
- Hills Creek Dam Willamette Basin
- High Hungry Horse Dam Columbia
- Ice Harbor Dam Snake Basin
- John Day & Lake Umatill Columbia
- Little Goose Dam & Lake Bry Snake
- Libby Dam & Lake Koochanusa Columbia
- Lower Monumental Dam Snake Basin
- Lookout Point Dam Willamette Basin
- Lost Creek Dam Rogue Basin
- Lower Granite Dam Snake Basin
- McNary Dam & Lake Wallula Columbia

- Priest Rapids Dam
- Rock Island Dam
- The Dalles Dam Columbia Basin
- Wanapum Dam
- Wells Dam

For more information on this dataset, see their website at: [www.nwd-wc.usace.army.mil](http://www.nwd-wc.usace.army.mil), phone the Information Management Support line at +1(503) 808-3954 or write to:

US Army Corps of Engineers  
Northwestern Division  
North Pacific Water Management Division  
220 NW 8th Avenue  
Portland, OR 97209

To order the dataset, please contact a LIM Sales representative at [sales@lim.com](mailto:sales@lim.com).

## US Department of Agriculture (USDA) Meat Report

Data is from the US Department of Agriculture "Boxed Beef" morning (am) and afternoon (pm) reports every weekday. Shows daily pricing and volume activity in the US wholesale beef meat markets.

For more information, see the website: [www.ams.usda.gov](http://www.ams.usda.gov) or contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## Weathermarkets.com

WM.com provides daily high, low and precipitation amounts for over 600 North American cities and nearly 150 international locations. 6-10 day forecasts and hourly temperatures are also available. Contact Tony Marino ([TMarino@weathermarkets.com](mailto:TMarino@weathermarkets.com), +1 (610) 407-2902) or visit [www.weathermarkets.com](http://www.weathermarkets.com) for more information.

## weatherXchange

weatherXchange is the trade name for Speedwell Weather Derivatives Limited's data and forecast business.

Standard data products available for:

- Austria
- Belgium
- Cypress
- Czech Republic
- Denmark
- Finland
- France
- Germany
- Gibraltar
- Guernsey
- Hungary
- Ireland
- Italy
- Luxembourg
- Netherlands
- Portugal
- Spain
- Sweden
- Switzerland
- United Kingdom

Data available for other regions on request.

Each country has multiple locations. See the [weatherXchange Data Service](#) document for coverage details. For more information, contact Phil Hayes, Head Technical Development, phone: +44 (0) 20 7929 7979, mobile: +44 (0) 7753 880224 or email: [phayes@weatherxchange.com](mailto:phayes@weatherxchange.com).

Website: [www.weatherxchange.com](http://www.weatherxchange.com).

## WM Reuters

WM calculates daily standardized spot and forward rates for global foreign exchange transactions, using rates provided by Reuters. These rates are recognized globally as the standard by banks, fund managers and index compilers; increasingly, these rates are also being used by corporate treasury departments, newspapers, research analyst and currency traders.

WM Reuters supplies: WM/Reuters Closing Spot Rates, WM/Reuters Closing Forward Rates, WM/Reuters Closing Forward Rates, WM/Reuters Intraday Spot Rates, and WM/Reuters Intraday Forward Rates.

For more information see the WM Reuters website at: [www.wmcompany.com](http://www.wmcompany.com).

For pricing information contact a LIM Sales Representative at: [sales@lim.com](mailto:sales@lim.com).

## WSI Weather

WSI Corporation was founded in 1978, and has grown into a global leader providing real-time weather data and forecasting services for the Energy, Aviation, Media, Marine and Retail industries. WSI's unmatched database of real-time, value added weather data and graphics, combined with the most automated and technically advanced forecast center in the industry sets us apart from all other weather vendors.

WSI is owned by Landmark Communications, and is a sister company to *The Weather Channel* and *weather.com*. The combination of Landmark's Weather Companies represents the largest private weather company in the world.

Data supplied includes weather forecast data for the cities covered by the Chicago Mercantile Exchange (CME) weather futures contracts and consists of intraday forecast data, hourly - supplied every hour, and looking at 10 days out into the future.

For information on a free 30-day trial, see the [LIM and WSI Promotion](#).

For pricing information, contact Tatum Vittengl, phone +1 (978) 983-6797 or email: [tvittengl@wsi.com](mailto:tvittengl@wsi.com).

## Zack's Investment Research, Inc.

Zacks Investment Research is a Chicago based firm with over 24 years of experience in providing institutional and individual investors with the analytical tools and financial information necessary to the success of their investment process.

The daily updated data supplied by Zack's includes:

- Zacks Earnings Estimate
- Zacks Earnings Estimates Consensus Trend file
- Zacks Earnings Surprise file
- Zacks EPS Growth Rates file
- Zacks Analyst Recommendations
- Zacks Analyst Recommendations & Histogram
- Zacks Analyst EPS Estimates & Recommendations

For more information please visit [www.zacksdata.com](http://www.zacksdata.com), or contact:

Rich Bieglmeier  
Email: [Rbieglmeier@zacks.com](mailto:Rbieglmeier@zacks.com)  
Phone: +1 (312) 265-9320

For pricing information contact your LIM Sales Representative at [sales@lim.com](mailto:sales@lim.com).

