

EPEX SPOT website and ftp server files specifications

The purpose of this document is to:

- Show the location of the relevant EPEX SPOT data files on the EPEX SPOT website
- Describe the contents of the relevant EPEX SPOT data files on the EPEX SPOT website
- Show the location of the relevant EPEX SPOT data files on the EPEX SPOT ftp server
- Describe the contents of the relevant EPEX SPOT data files on the EPEX SPOT ftp server
- Show the location of the relevant EEX Power Derivatives data files on the EPEX SPOT FTP server

The availability of the data described depends on the subscriptions taken. For more information, please contact your market data team.

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1 Available data

EPEX SPOT's market data is only available through various data subscriptions. Market members receive a free info-user subscription upon request, enabling them to download and use the data for statistical purposes. All packages give access to the download page on the EPEX SPOT website, as well as to the ftp server.

EXCHANGE	MARKET DATA	ACCESS		
		Website (includes graphs and tables)	FTP Server	via APIs
- Real time				
EPEX SPOT	Intraday Continuous data for German, Austrian, Swiss and French markets (including 15-minute contracts for Germany, Austria and Switzerland and 30-minute contracts for Germany, France and Switzerland): - Bid/ask spread (volumes / prices) - Trades (volumes and prices)			X
- Delayed (10 minutes) - End of Trading Session (current year + full previous year) - End of Trading Session historical Data (from 2005 (auction)/2007(intraday) until current year - 2)				
EPEX SPOT	Day-ahead Auction data for Germany/Austria, France and Switzerland: - Volumes and prices for all 24 hours in a day (base, peak et blocks) - Aggregated curves - Market Coupling Contracts - ELIX data - BBOF (FTP only)	X	X	
	Intraday Continuous data for German, Austrian, Swiss and French markets (including 15-minute contracts for Germany, Austria and Switzerland and 30-minute contracts for Germany, France and Switzerland): - Volumes and prices for all 24 hours in a day (plus blocks)			

	<ul style="list-style-type: none"> - Volumes and prices for all 96 15-minute contract in a day (DE & CH only) - Volumes and prices for all 48 30-minute contract in a day (DE, FR & CH only) - Trades (volumes and prices – only current month on website) 			
	<p>Intraday Call Auction data for Germany (15-Minute contracts):</p> <ul style="list-style-type: none"> - Volumes and prices for all 96 15-minute contract in a day - Aggregated curves 	X	X	
	<p>Capacity Market data for France:</p> <ul style="list-style-type: none"> - Volumes and prices underlying years - Aggregated curves 			
EEX Power Derivatives (only End of Trading Session)	<p>Futures data for German, French, Swiss, Dutch, Belgian, UK, Italian, Austrian, Nordic, Spanish, Czech, Hungarian, Greek and Romanian markets</p> <ul style="list-style-type: none"> - Daily settlement prices - Trades (volumes) - Open interest <p>German Intraday Cap Futures:</p> <ul style="list-style-type: none"> - Daily settlement prices - Trades (volumes) - Open interest <p>German Intraday Floor Futures:</p> <ul style="list-style-type: none"> - Daily settlement prices - Trades (volumes) - Open interest <p>German Wind Futures:</p> <ul style="list-style-type: none"> - Daily settlement prices - Trades (volumes) - Open interest 		X	
	<p>Options data for Germany, France Italy and Spain</p> <ul style="list-style-type: none"> - Daily settlement prices - Trades (volumes) - Open interest 			

2 Data distribution support : website

2.1 Requirements

The technical requirements are:

- An Internet connection
- IE7 and above, Mozilla Firefox, Google Chrome and Safari

The access is attributed by the EPEX SPOT market data department. The privileges depend on the type of subscription. In all cases, access is granted on a “**read only**” basis.

2.2 Connection

Web address: <http://www.epexspot.com/en/market-data/historical-data>

2.3 Data: EPEX SPOT Day-Ahead Auction

- a) Daily market clearing prices and volumes:
- File name: **auction_spot_ <country>_YYYY.xlsx**
 - File format: **xlsx**

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_<country>_YYYY.xlsx** file:

Name	auction_spot_ <country>_YYYY
Format	xlsx

Line 1: trading date (D/M/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Column description – ‘Prices’ Tab; currency: Euros/MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Price value for 03:00 to 04:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Hour24	Price value for 23:00 to 24:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Volume Weighted Average	Average price weighted by the volume, two decimals.
Middle Night (01-04)	Average hourly price for block including Hours 1 to 4, two decimals.
Early Morning (05-08)	Average hourly price for block including Hours 5 to 8, two decimals.
Late Morning (09-12)	Average hourly price for block including Hours 9 to 12, two decimals.
Early afternoon (13-16)	Average hourly price for block including Hours 13 to 16, two decimals.
Rush Hour (17-20)	Average hourly price for block including Hours 17 to 20, two decimals.

<i>Header</i>	<i>Content and format</i>
Off-Peak 2 (21-24)	Average hourly price for block including Hours 21 to 24, two decimals.
Baseload (1-24)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (9-20)	Average hourly price for block including Hours 9 to 20, two decimals.
Night (01-06)	Average hourly price for block including Hours 1 to 6, two decimals.
Off-Peak 1 (01-08)	Average hourly price for block including Hours 1 to 8, two decimals.
Business Hours (09-16)	Average hourly price for block including Hours 9 to 16, two decimals.
Off-Peak (01-08 & 21-24)	Average hourly price for block including Hours 1 to 8 (OP1) and 21 to 24 (OP2), two decimals.
Morning (07-10)	Average hourly price for block including Hours 7 to 10, two decimals.
High Noon (11-14)	Average hourly price for block including Hours 11 to 14, two decimals.
Afternoon (15-18)	Average hourly price for block including Hours 15 to 18, two decimals.
Evening (19-24)	Average hourly price for block including Hours 19 to 24, two decimals.

Column description – ‘Volumes’ Tab; measure: MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Volume traded for Hour 1, one decimal.
Hour2	Volume traded for Hour 2, one decimal.
Hour3A	Volume traded for Hour 3, one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)

<i>Header</i>	<i>Content and format</i>
Hour3B	Volume traded for Hour 3, one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Volume traded for Hour 4, one decimal.
..	
Hour24	Volume traded for Hour 24, one decimal.
Total Daily Volume	Volume traded for the 24 hours of the day, one decimal.

b) Daily market clearing prices:

- File name: **auction_spot_prices_<country>.csv**
- File format: csv

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_prices_<country>.csv** file:

Name	auction_spot_prices_<country>
Format	csv

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Prices - EPEX Spot market auction - <Country>

Column description – ‘Prices’ Tab; currency: Euros/MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

<i>Header</i>	<i>Content and format</i>
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Price value for 03:00 to 04:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Hour24	Price value for 23:00 to 24:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Volume Weighted Average	Average price weighted by the volume, two decimals.
Middle Night (01-04)	Average hourly price for block including Hours 1 to 4, two decimals.
Early Morning (05-08)	Average hourly price for block including Hours 5 to 8, two decimals.
Late Morning (09-12)	Average hourly price for block including Hours 9 to 12, two decimals.
Early afternoon (13-16)	Average hourly price for block including Hours 13 to 16, two decimals.
Rush Hour (17-20)	Average hourly price for block including Hours 17 to 20, two decimals.
Off-Peak 2 (21-24)	Average hourly price for block including Hours 21 to 24, two decimals.

<i>Header</i>	<i>Content and format</i>
Baseload (1-24)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (9-20)	Average hourly price for block including Hours 9 to 20, two decimals.
Night (01-06)	Average hourly price for block including Hours 1 to 6, two decimals.
Off-Peak 1 (01-08)	Average hourly price for block including Hours 1 to 8, two decimals.
Business Hours (09-16)	Average hourly price for block including Hours 9 to 16, two decimals.
Off-Peak (01-08 & 21-24)	Average hourly price for block including Hours 1 to 8 (OP1) and 21 to 24 (OP2), two decimals.
Morning (07-10)	Average hourly price for block including Hours 7 to 10, two decimals.
High Noon (11-14)	Average hourly price for block including Hours 11 to 14, two decimals.
Afternoon (15-18)	Average hourly price for block including Hours 15 to 18, two decimals.
Evening (19-24)	Average hourly price for block including Hours 19 to 24, two decimals.

c) Daily market clearing volumes:

- File name: **auction_spot_volumes_<country>.csv**
- File format: csv

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_volumes_<country>.csv** file:

Name	auction_spot_volumes_<country>
Format	csv

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Prices - EPEX SPOT market auction - <Country>

Column description – measure: MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Volume traded for Hour 1, one decimal.
Hour2	Volume traded for Hour 2, one decimal.
Hour3A	Volume traded for Hour 3, one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Volume traded for Hour 3, one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Volume traded for Hour 4, one decimal.
..	
Hour24	Volume traded for Hour 24, one decimal.
Total Daily Volume	Volume traded for the 24 hours of the day, one decimal.

d) Curves:

The aggregated curves are the illustration of how the hourly prices are determined. The data is published on a daily basis at approximately 01:00 PM CET (IN WINTER)/CEST (IN SUMMER).

Elements included in the aggregated curves are:

- Hourly orders
 - Executed block orders
 - Coupling volumes
- File names: **auction_aggregated_curves_<country>_YYYYMMDD.xlsx**
 - File format: **xlsx**

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX SPOT Market Auction - <Country>

Column description – measures: Euros/MWh and MWh

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hourly products
Price	Euros, two decimals. DE-AT and FR: minimum price = -3000 €/MWh; maximum price = 3000 €/MWh CH: minimum price = 0 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

- File names: **auction_aggregated_curves_<country>_YYYYMMDD.csv**
- File format: csv

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Aggregated Curves - EPEX SPOT Market Auction - <Country>

Column description – measures: Euros/MWh and MWh

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hourly products
Price	Euros, two decimals. DE-AT and FR: minimum price = -3000 €/MWh; maximum price = 3000 €/MWh CH: minimum price = 0 €/MWh; maximum price = 3000 €/MWh

<i>Column Header</i>	<i>Content and format</i>
Volume	MWh, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

e) Market Coupling Contracts

The Market Coupling Contracts (or MCC) are contracts listed by EPEX Spot for the purpose of CWE Market Coupling. They refer to the physical transmission rights allocated between France and Germany, France and Belgium and Germany and The Netherlands as a result of the Market Coupling process. For each EPEX SPOT area (France and Germany/Austria), only exports are taken into account.

File description:

- File name: **MCCMarketResult_YYYY.xlsx**
- File format: xlsx

*Line 1: # trading date (DD/M/YY) MCC Volumes - EPEX Spot Market Auction - <TSO Areas>
Column description – 'TSO area direction' Tab; measure: MWh*

<i>Column Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour 1	Volume exported from Area A to Area B in Hour 1. 5 decimals
Hour 2	Volume exported from Area A to Area B in Hour 2. 5 decimals
Hour 3A	Volume exported from Area A to Area B in Hour 3. 5 decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour 3B	Volume exported from Area A to Area B in Hour 3B. 5 decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour 4	Volume exported from Area A to Area B in Hour 4. 5 decimals
..	

<i>Column Header</i>	<i>Content and format</i>
Hour 24	Volume exported from Area A to Area B in Hour 24. 5 decimals
Total Daily Volume	Total volume exported from Area A to Area B. 5 decimals

- File name: **MCCMarketResult_<tso a>-<tso b>_YYYY.csv**
- File format: csv

Line 1: # trading date (DD/M/YYYY) time of generation (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM>: MCC Volumes - EPEX Spot Market Auction - <TSO Areas>

Column description – measure: MWh

<i>Column Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour 1	Volume exported from Area A to Area B in Hour 1. 5 decimals
Hour 2	Volume exported from Area A to Area B in Hour 2. 5 decimals
Hour 3A	Volume exported from Area A to Area B in Hour 3. 5 decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour 3B	Volume exported from Area A to Area B in Hour 3B. 5 decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour 4	Volume exported from Area A to Area B in Hour 4. 5 decimals
..	
Hour 24	Volume exported from Area A to Area B in Hour 24. 5 decimals
Total Daily Volume	Total volume exported from Area A to Area B. 5 decimals

2.4 Data: EPEX SPOT Intraday Continuous

a) intraday results

File name: **intraday_results_blocks_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the year.

- Data updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_blocks_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Block Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_results_blocks_country_YYYY’ Tab ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting hour of the block product (H)
Hour to	Ending hour of the block product (H)
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 5 decimals
High Price (EUR/MWh)	Highest price traded. 5 decimals
Last Price (EUR/MWh)	Last price traded. 5 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)
Index Price	There is no index value for blocks
Weighted Average price	EUR/MWh. 5 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.

File name: **intraday_results_hours_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the year.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_hours_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Hour Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_results_hours_country_YYYY’ Tab ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 2 decimals

<i>Header</i>	<i>Content and format</i>
High Price (EUR/MWh)	Highest price traded. 2 decimals
Last Price (EUR/MWh)	Last price traded. 2 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)
Index Price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated at around 11:00PM every day.</p> <p>For complete rules go to index files on download part of EPEX SPOT Website.</p> <p>Hourly Index on: German-Austrian market, French market, Swiss market</p> <p>Half-Hourly Index on: German Intraday, French Intraday, Swiss Intraday</p> <p>Quart-Hourly Index on: German-Austrian Intraday</p>
ID ₃ -Price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume over the last three hours before start of delivery of the hourly and 15-minute products.</p> <p>It is calculated at around 00:30PM every day for German market area only.</p>
Weighted Average price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.</p> <p>It is calculated for all products even if there is no index. At the end of the day the value is equal to the index. The difference is that this value is updated every 5 to 10 minutes during the trading session.</p>

File name: **intraday_results_country_YYYY.xlsx**

File format: **xlsx**

Data is published on a daily basis every day of the year.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_country_YYYY
Format	xlsx

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Hour and Block Values - EPEX SPOT Intraday Trading - Country

Column description – ‘Hours’ and ‘Blocks’ Tabs ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded: 2 decimals for hourly values, 5 decimals for block values
High Price (EUR/MWh)	Highest price traded: 2 decimals for hourly values, 5 decimals for block values

<i>Header</i>	<i>Content and format</i>
Last Price (EUR/MWh)	Last price traded: 2 decimals for hourly values, 5 decimals for block values
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)
Index Price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated at around 11:00PM every day.</p> <p>For complete rules go to index files on download part of EPEX SPOT Website.</p> <p>Hourly Index on: German-Austrian market, French market, Swiss market</p> <p>Half-Hourly Index on: German Intraday, French Intraday, Swiss Intraday</p> <p>Quart-Hourly Index on: German-Austrian Intraday</p>
ID ₃ -Price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume over the last three hours before start of delivery of the hourly and 15-minute products.</p> <p>It is calculated at around 00:30PM every day for German market area only.</p>
Weighted Average price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.</p> <p>It is calculated for all products even if there is no index. At the end of the day the value is equal to the index. The difference is that this value is updated every 5 to 10 minutes during the trading session.</p>

b) Intraday transactions

File name: **intraday_transactions_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the month.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation
- **Intraday transaction files are split into monthly files to keep their sizes down.**
- **The files with the year and no month in their names carry the current month's or the last month of that year's data. There are the only ones available on the website.**

NB: For historical months transactions data, FTP access is compulsory.

Name	intraday_transactions_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Transaction Values - EPEX SPOT Intraday Trading - Country

Column description – 'intraday_transactions_country_Y' Tab ; volume: MW; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Market Area Buy	Market area where the buy order of the trade was placed (FR, DE, CH, AT, BE or NL)
Market Area Sell	Market area where the sell order of the trade was placed (FR, DE, CH, AT, BE or NL)
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts

<i>Header</i>	<i>Content and format</i>
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts
Volume (MW)	1 decimal
Price (EUR)	EUR/MWh. 2 decimals
Time Stamp	DD/MM/YYYY HH:MM
Trade ID	Numerical characters

File name: **intraday_transactions_country_YYYY.xlsx**

File format: **xlsx**

Data is published on a daily basis every day of the month.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_transactions_country_YYYY
Format	xlsx

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Transaction Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_transactions_country_YYYY’ Tab ; volume: MW; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Market Area Buy	Market area where the buy order of the trade was placed (FR, DE, CH, AT, BE or NL)
Market Area Sell	Market area where the sell order of the trade was placed (FR, DE, CH, AT, BE or NL)

<i>Header</i>	<i>Content and format</i>
Hour from	<p>Starting delivery period (HH:MM) of the product:</p> <p>German, French, Swiss and Austrian markets include Hourly contracts (H)</p> <p>German, French and Swiss markets include 30-minute (HH) contracts</p> <p>German, Austrian and Swiss markets include 15-minute (QH) contracts</p>
Hour to	<p>Ending delivery period (HH:MM) of the product:</p> <p>German, French, Swiss and Austrian markets include Hourly contracts (H)</p> <p>German, French and Swiss markets include 30-minute (HH) contracts</p> <p>German, Austrian and Swiss intraday include 15-minute (QH) contracts</p>
Volume (MW)	1 decimal
Price (EUR)	EUR/MWh. 2 decimals
Time Stamp	DD/MM/YYYY HH:MM
Trade ID	Numerical characters

2.5 Data: EPEX SPOT Intraday Call Auction

The 15-minute call auction on the German Intraday market takes place daily at 3 pm, before the opening of the continuous Intraday market for 15-minute contracts at 4 pm, and it covers the 96 15-minute contracts for the next calendar day from midnight on.

a) Intraday results

- Intraday_auction_spot_15-call-DE_YYYY.xlsx

Line 1: trading date (D/M/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Prices Tab

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Price value for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q2	Price value for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q3	Price value for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q4	Price value for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q1	Price value for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q2	Price value for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q3	Price value for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

<i>Header</i>	<i>Content and format</i>
Hour2Q4	Price value for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Baseload (0-23)	Average hourly price for the 23 hours of the day, two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.
Sun-Peak (10-15)	Average hourly price for block including Hours 10 to 15, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

Volumes Tab

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Volume traded for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q2	Volume traded for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q3	Volume traded for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q4	Volume traded for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q1	Volume traded for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q2	Volume traded for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q3	Volume traded for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q4	Volume traded for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	

<i>Header</i>	<i>Content and format</i>
Daily Volume	Volume traded for the 96 quarter of hour of the day, one decimal.

- Intraday_auction_spot_prices_15-call-DE_YYYY.csv contains the data for the current year

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Price value for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q2	Price value for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q3	Price value for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q4	Price value for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q1	Price value for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q2	Price value for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q3	Price value for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q4	Price value for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)

<i>Header</i>	<i>Content and format</i>
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Baseload (0-23)	Average hourly price for the 24 hours of the day, two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.
Sun-Peak (10-15)	Average hourly price for block including Hours 10 to 15, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

- Intraday_auction_spot_volumes_15-call-DE_YYYY.csv contains the data for the current year

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Volume traded for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q2	Volume traded for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q3	Volume traded for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.

<i>Header</i>	<i>Content and format</i>
Hour1Q4	Volume traded for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q1	Volume traded for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q2	Volume traded for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q3	Volume traded for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q4	Volume traded for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Daily Volume	Volume traded for the 96 quarter of hour of the day, one decimal.

b) Aggregated curves

- File names:
Intraday_auction_aggregated_curves_15-call_germany_YYYYMMDD.xlsx
Intraday_auction_aggregated_curves_15-call_germany_YYYYMMDD.csv

The aggregated curves are the illustration of how the quarterly prices are determined. The data is published on a daily basis at approximately 03:30 PM CET (IN WINTER)/CEST (IN SUMMER).

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX Intraday Market Auction 15 minute call - Germany

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hour name (1 to 24)
Quarter hour	Quarter name in the hour (1 to 4)
Price	Euros, two decimals. Minimum price = -3000 €/MWh; maximum price = 3000 €/MWh
Volume	MW, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

3 Data distribution support : ftp server

3.1 Requirements

The technical requirements are:

- An Internet connection
- FTP client application to access the FTP server (some browsers such as Mozilla Firefox or Microsoft Explorer 8 allow access to ftp servers)

The access is attributed by the EPEX Spot market data department. The privileges depend on the type of subscription. In all cases, access is granted on a “**read only**” basis.

3.2 Connection

FTP server address: **ftp.epexspot.com**

3.3 Data: EPEX SPOT Day-Ahead Auction

The EPEX SPOT Auction files are stored in the folder **/spot_market/auction/<country>/**. They are sorted by country:

- france
- germany_austria
- Switzerland

The EPEX SPOT auction files are accessible in the following ftp directory:

ftp://ftp.epexspot.com/spot_market/auction/

- a) Daily market clearing prices and volumes:
- File name: **auction_spot_<country>_YYYY.xlsx**
 - File format: **xlsx**
 - Distant sub-folder: **/<country>**

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_<country>_YYYY.xlsx** file:

Name	auction_spot_<country>_YYYY
Format	xlsx

Line 1: trading date (D/M/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Column description – ‘Prices’ Tab; currency: Euros/MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Price value for 03:00 to 04:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Hour24	Price value for 23:00 to 24:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.

<i>Header</i>	<i>Content and format</i>
Volume Weighted Average	Average price weighted by the volume, two decimals.
Middle Night (01-04)	Average hourly price for block including Hours 1 to 4, two decimals.
Early Morning (05-08)	Average hourly price for block including Hours 5 to 8, two decimals.
Late Morning (09-12)	Average hourly price for block including Hours 9 to 12, two decimals.
Early afternoon (13-16)	Average hourly price for block including Hours 13 to 16, two decimals.
Rush Hour (17-20)	Average hourly price for block including Hours 17 to 20, two decimals.
Off-Peak 2 (21-24)	Average hourly price for block including Hours 21 to 24, two decimals.
Baseload (1-24)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (9-20)	Average hourly price for block including Hours 9 to 20, two decimals.
Night (01-06)	Average hourly price for block including Hours 1 to 6, two decimals.
Off-Peak 1 (01-08)	Average hourly price for block including Hours 1 to 8, two decimals.
Business Hours (09-16)	Average hourly price for block including Hours 9 to 16, two decimals.
Off-Peak (01-08 & 21-24)	Average hourly price for block including Hours 1 to 8 (OP1) and 21 to 24 (OP2), two decimals.
Morning (07-10)	Average hourly price for block including Hours 7 to 10, two decimals.
High Noon (11-14)	Average hourly price for block including Hours 11 to 14, two decimals.
Afternoon (15-18)	Average hourly price for block including Hours 15 to 18, two decimals.
Evening (19-24)	Average hourly price for block including Hours 19 to 24, two decimals.

Column description – ‘Volumes’ Tab; measure: MWh

Header	Content and format
Hour1	Volume traded for Hour 1, one decimal.
Hour2	Volume traded for Hour 2, one decimal.
Hour3A	Volume traded for Hour 3, one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Volume traded for Hour 3, one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Volume traded for Hour 4, one decimal.
..	
Hour24	Volume traded for Hour 24, one decimal.
Total Daily Volume	Volume traded for the 24 hours of the day, one decimal.

b) Daily market clearing prices:

- File name: **auction_spot_prices_<country>.csv**
- File format: csv
- Distant sub-folder: **/<country>**

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_prices_<country>.csv** file:

Name	auction_spot_prices_<country>
Format	csv

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Prices - EPEX Spot market auction - <Country>

Column description – ‘Prices’ Tab; currency: Euros/MWh

Header	Content and format
Hour1	Price value for 00:00 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2	Price value for 01:00 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3A	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Price value for 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Price value for 03:00 to 04:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
..	
Hour24	Price value for 23:00 to 24:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Volume Weighted Average	Average price weighted by the volume, two decimals.
Middle Night (01-04)	Average hourly price for block including Hours 1 to 4, two decimals.
Early Morning (05-08)	Average hourly price for block including Hours 5 to 8, two decimals.
Late Morning (09-12)	Average hourly price for block including Hours 9 to 12, two decimals.

<i>Header</i>	<i>Content and format</i>
Early afternoon (13-16)	Average hourly price for block including Hours 13 to 16, two decimals.
Rush Hour (17-20)	Average hourly price for block including Hours 17 to 20, two decimals.
Off-Peak 2 (21-24)	Average hourly price for block including Hours 21 to 24, two decimals.
Baseload (1-24)	Average hourly price for the 24 hours of the day, two decimals.
Peakload (9-20)	Average hourly price for block including Hours 9 to 20, two decimals.
Night (01-06)	Average hourly price for block including Hours 1 to 6, two decimals.
Off-Peak 1 (01-08)	Average hourly price for block including Hours 1 to 8, two decimals.
Business Hours (09-16)	Average hourly price for block including Hours 9 to 16, two decimals.
Off-Peak (01-08 & 21-24)	Average hourly price for block including Hours 1 to 8 (OP1) and 21 to 24 (OP2), two decimals.
Morning (07-10)	Average hourly price for block including Hours 7 to 10, two decimals.
High Noon (11-14)	Average hourly price for block including Hours 11 to 14, two decimals.
Afternoon (15-18)	Average hourly price for block including Hours 15 to 18, two decimals.
Evening (19-24)	Average hourly price for block including Hours 19 to 24, two decimals.

c) Daily market clearing volumes:

- File name: **auction_spot_volumes_<country>.csv**
- File format: csv
- Distant sub-folder: **/<country>**

Data are published on a daily basis every day of the year.

- Result file: every day around 11:15 AM CET (IN WINTER)/CEST (IN SUMMER) for the Swiss Auction and 12:45 PM CET (IN WINTER)/CEST (IN SUMMER) for the German/Austrian and the French Auctions.

Description of **auction_spot_volumes_<country>.csv** file:

Name	auction_spot_volumes_<country>
Format	csv

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Prices - EPEX SPOT market auction - <Country>

Column description – measure: MWh

<i>Header</i>	<i>Content and format</i>
Hour1	Volume traded for Hour 1, one decimal.
Hour2	Volume traded for Hour 2, one decimal.
Hour3A	Volume traded for Hour 3, one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3B	Volume traded for Hour 3, one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour4	Volume traded for Hour 4, one decimal.
..	
Hour24	Volume traded for Hour 24, one decimal.
Total Daily Volume	Volume traded for the 24 hours of the day, one decimal.

d) Curves:

The aggregated curves are the illustration of how the hourly prices are determined. The data is published on a daily basis at approximately 01:00 PM CET (IN WINTER)/CEST (IN SUMMER).

- File names: **auction_aggregated_curves_<country>_YYYYMMDD.xlsx**
- File format: xlsx
- Distant sub-folder: **/<country>/curves/**

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Aggregated Curves - EPEX SPOT Market Auction - <Country>

Column description – measures: Euros/MWh and MWh

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hourly products
Price	Euros, two decimals. DE-AT and FR: minimum price = -3000 €/MWh; maximum price = 3000 €/MWh CH: minimum price = 0 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

- File names: **auction_aggregated_curves_<country>_YYYYMMDD.csv**
- File format: csv
- Distant sub-folder: **/<country>/curves/**

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Aggregated Curves - EPEX SPOT Market Auction - <Country>

Column description – measures: Euros/MWh and MWh

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week

Column Header	Content and format
Hour	Hourly products
Price	Euros, two decimals. DE-AT and FR: minimum price = -3000 €/MWh; maximum price = 3000 €/MWh CH: minimum price = 0 €/MWh; maximum price = 3000 €/MWh
Volume	MWh, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

e) Block Bids:

- File name: **bbof_<country>_YYYYMMDD.csv**
- File format: csv
- Distant sub-folder: **/<country>/block_bids/**

Bbof refers to auction block bid files. Data is published on a daily basis every day of the year.

- Every day around 01:00 PM CET (IN WINTER)/CEST (IN SUMMER)

Description of **bbof_<country>_YYYYMMDD.csv** file:

Name	bbof_<country>_YYYYMMDD
Format	csv

Line 1: # trading date (DD.MM.YYYY) + Daily Manual Auction Block Bids

Column description – Data type, Delivery Date, Currency (EUR), Creation Time, Creation Date (file generation)

Header	Content and format
Data type	ST = status BB = Block Bids AL = number of lines

<i>Header</i>	<i>Content and format</i>
Delivery Date	DD.MM.YYYY
Block ID	Unique ID number per block
Block Type	Type of block: C01: normal block, C02: linked block, C04: exclusive group block
Block Code PRM	C02: parent block number C04: Exclusive group id
Execution	Y or N – indicates if a block bid has been executed or not
Currency	Euros
Limit Price	Market price, two decimals
Creation Time	HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) CET (IN WINTER)/CEST (IN SUMMER)– indicates the time when the file is created
Creation Date	DD.MM.YYYY – indicates the day when the file is created
Volume H01	Volume bid for Hour 1 (00:00-01:00), one decimal.
Volume H02	Volume bid for Hour 2 (01:00-02:00), one decimal.
Volume H03A	Volume bid for Hour 3 (02:00-03:00), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Volume H03B	Volume bid for Hour 3 (02:00-03:00), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
Volume H04	Volume bid for Hour 4 (03:00-04:00), one decimal.
..	
Volume H24	Volume bid for Hour 24 (23:00-24:00), one decimal.

f) Market Coupling Contracts

The Market Coupling Contracts (or MCC) are contracts listed by EPEX Spot for the purpose of CWE Market Coupling. They refer to the physical transmission rights allocated between France and Germany, France and Belgium and Germany and The Netherlands as a result of the Market Coupling process. For each EPEX SPOT area (France and Germany/Austria), only exports are taken into account.

File description:

- File name: **MCCMarketResult_YYYY.xlsx**
- File format: xlsx
- Distant sub-folder: **/mcc**

*Line 1: # trading date (DD/M/YY) MCC Volumes - EPEX Spot Market Auction - <TSO Areas>
Column description – ‘TSO area direction’ Tab; measure: MWh*

<i>Column Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour 1	Volume exported from Area A to Area B in Hour 1. 5 decimals
Hour 2	Volume exported from Area A to Area B in Hour 2. 5 decimals
Hour 3A	Volume exported from Area A to Area B in Hour 3. 5 decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour 3B	Volume exported from Area A to Area B in Hour 3B. 5 decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour 4	Volume exported from Area A to Area B in Hour 4. 5 decimals
..	
Hour 24	Volume exported from Area A to Area B in Hour 24. 5 decimals
Total Daily Volume	Total volume exported from Area A to Area B. 5 decimals

- File name: **MCCMarketResult_<tso a>-<tso b>_YYYY.csv**

- File format: csv

Line 1: # trading date (DD/M/YYYY) time of generation (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM>: MCC Volumes - EPEX Spot Market Auction - <TSO Areas>

Column description – measure: MWh

<i>Column Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour 1	Volume exported from Area A to Area B in Hour 1. 5 decimals
Hour 2	Volume exported from Area A to Area B in Hour 2. 5 decimals
Hour 3A	Volume exported from Area A to Area B in Hour 3. 5 decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour 3B	Volume exported from Area A to Area B in Hour 3B. 5 decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
Hour 4	Volume exported from Area A to Area B in Hour 4. 5 decimals
..	
Hour 24	Volume exported from Area A to Area B in Hour 24. 5 decimals
Total Daily Volume	Total volume exported from Area A to Area B. 5 decimals

3.4 Data: EPEX SPOT Intraday Continuous

The EPEX SPOT Intraday files are accessible in the following ftp directory:

ftp://ftp.epexspot.com/spot_market/intraday/

c) intraday results

File name: **intraday_results_blocks_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the year.

- Data updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_blocks_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Block Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_results_blocks_country_YYYY’ Tab ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting hour of the block product (H)
Hour to	Ending hour of the block product (H)
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 5 decimals
High Price (EUR/MWh)	Highest price traded. 5 decimals
Last Price (EUR/MWh)	Last price traded. 5 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)

<i>Header</i>	<i>Content and format</i>
Index Price	There is no index value for blocks
Weighted Average price	EUR/MWh. 5 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.

File name: **intraday_results_hours_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the year.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_hours_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Hour Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_results_hours_country_YYYY’ Tab ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts

Header	Content and format
	German, Austrian and Swiss intraday include 15-minute (QH) contracts
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded. 2 decimals
High Price (EUR/MWh)	Highest price traded. 2 decimals
Last Price (EUR/MWh)	Last price traded. 2 decimals
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)
Index Price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated at around 11:00PM every day.</p> <p>For complete rules go to index files on download part of EPEX SPOT Website.</p> <p>Hourly Index on: German-Austrian market, French market, Swiss market</p> <p>Half-Hourly Index on: German Intraday, French Intraday, Swiss Intraday</p> <p>Quart-Hourly Index on: German-Austrian Intraday</p>
ID ₃ -Price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume over the last three hours before start of delivery of the hourly and 15-minute products.</p> <p>It is calculated at around 00:30PM every day for German market area only.</p>
Weighted Average price	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.</p> <p>It is calculated for all products even if there is no index. At the end of the day the value is equal to the index. The difference is that</p>

<i>Header</i>	<i>Content and format</i>
	this value is updated every 5 to 10 minutes during the trading session.

File name: **intraday_results_country_YYYY.xlsx**

File format: **xlsx**

Data is published on a daily basis every day of the year.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_results_country_YYYY
Format	xlsx

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Hour and Block Values - EPEX SPOT Intraday Trading - Country

Column description – ‘Hours’ and ‘Blocks’ Tabs ; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Delivery day	DD/MM/YYYY
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss intraday include 15-minute (QH) contracts

<i>Header</i>	<i>Content and format</i>
Volume Buy (MW)	1 decimal
Volume Sell (MW)	1 decimal
Low Price (EUR/MWh)	Lowest price traded: 2 decimals for hourly values, 5 decimals for block values
High Price (EUR/MWh)	Highest price traded: 2 decimals for hourly values, 5 decimals for block values
Last Price (EUR/MWh)	Last price traded: 2 decimals for hourly values, 5 decimals for block values
Time Stamp of Last Price	DD/MM/YYYY HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER)
Index Price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated at around 11:00PM every day.</p> <p>For complete rules go to index files on download part of EPEX SPOT Website.</p> <p>Hourly Index on:</p> <p>German-Austrian market, French market, Swiss market</p> <p>Half-Hourly Index on:</p> <p>German Intraday, French Intraday, Swiss Intraday</p> <p>Quart-Hourly Index on:</p> <p>German-Austrian Intraday</p>
ID ₃ -Price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume over the last three hours before start of delivery of the hourly and 15-minute products.</p> <p>It is calculated at around 00:30PM every day for German market area only.</p>
Weighted Average price (EUR)	<p>EUR/MWh. 2 decimals. Average price weighted by the volume, calculated as trades occur on a real time basis.</p> <p>It is calculated for all products even if there is no index. At the end of the day the value is equal to the index. The difference is that</p>

<i>Header</i>	<i>Content and format</i>
	this value is updated every 5 to 10 minutes during the trading session.

d) Intraday transactions

File name: **intraday_transactions_country_YYYY.csv**

File format: csv

Data is published on a daily basis every day of the month.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation
- **Intraday transaction files are split into monthly files to keep their sizes down. The files with the year and no month in their names carry the current month's or the last month of that year's data**

Name	intraday_transactions_country_YYYY
Format	csv

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Transaction Values - EPEX SPOT Intraday Trading - Country

Column description – 'intraday_transactions_country_Y' Tab ; volume: MW; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Market Area Buy	Market area where the buy order of the trade was placed (FR, DE, CH, AT, BE or NL)
Market Area Sell	Market area where the sell order of the trade was placed (FR, DE, CH, AT, BE or NL)
Hour from	Starting delivery period (HH:MM) of the product: German, French, Swiss and Austrian markets include Hourly contracts (H) German, French and Swiss markets include 30-minute (HH) contracts German, Austrian and Swiss markets include 15-minute (QH) contracts
Hour to	Ending delivery period (HH:MM) of the product:

<i>Header</i>	<i>Content and format</i>
	<p>German, French, Swiss and Austrian markets include Hourly contracts (H)</p> <p>German, French and Swiss markets include 30-minute (HH) contracts</p> <p>German, Austrian and Swiss intraday include 15-minute (QH) contracts</p>
Volume (MW)	1 decimal
Price (EUR)	EUR/MWh. 2 decimals
Time Stamp	DD/MM/YYYY HH:MM
Trade ID	Numerical characters

File name: **intraday_transactions_country_YYYY.xlsx**

File format: **xlsx**

Data is published on a daily basis every day of the month.

- Data is updated every 10 minutes on the delayed offer.
- The statistics are updated accordingly when there is a trade cancellation

Name	intraday_transactions_country_YYYY
Format	xlsx

Line 1: # trading date (DD/MM/YYYY) + update time (HH:MM:ss CET (IN WINTER)/CEST (IN SUMMER) AM or PM): Transaction Values - EPEX SPOT Intraday Trading - Country

Column description – ‘intraday_transactions_country_YYYY’ Tab ; volume: MW; currency : Euros/MWh

<i>Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Market Area Buy	Market area where the buy order of the trade was placed (FR, DE, CH, AT, BE or NL)
Market Area Sell	Market area where the sell order of the trade was placed (FR, DE, CH, AT, BE or NL)
Hour from	Starting delivery period (HH:MM) of the product:

<i>Header</i>	<i>Content and format</i>
	<p>German, French, Swiss and Austrian markets include Hourly contracts (H)</p> <p>German, French and Swiss markets include 30-minute (HH) contracts</p> <p>German, Austrian and Swiss markets include 15-minute (QH) contracts</p>
Hour to	<p>Ending delivery period (HH:MM) of the product:</p> <p>German, French, Swiss and Austrian markets include Hourly contracts (H)</p> <p>German, French and Swiss markets include 30-minute (HH) contracts</p> <p>German, Austrian and Swiss intraday include 15-minute (QH) contracts</p>
Volume (MW)	1 decimal
Price (EUR)	EUR/MWh. 2 decimals
Time Stamp	DD/MM/YYYY HH:MM
Trade ID	Numerical characters

3.5 Data: EPEX SPOT Intraday Call Auction

The 15-minute call auction on the German Intraday market takes place daily at 3 pm, before the opening of the continuous Intraday market for 15-minute contracts at 4 pm, and it covers the 96 15-minute contracts for the next calendar day from midnight on.

A new section was created in December 2014 on the ftp server: The EPEX SPOT 15-minute Intraday Call Auction files are accessible in the following ftp directory:

- Delayed data package:
ftp://ftp.epexspot.com/spot_market/intraday/auction/germany/ for the yearly files
ftp://ftp.epexspot.com/spot_market/intraday/auction/germany/curves for the aggregated curves
- End of Day data package:
ftp://ftp.epexspot.com/spot_market/intraday/eod/auction/germany/ for the yearly files
ftp://ftp.epexspot.com/spot_market/intraday/eod/auction/germany/curves for the aggregated curves

a) 15 call results

- Intraday_auction_spot_15-call-DE_YYYY.xlsx

Line 1: trading date (D/M/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Prices Tab

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Price value for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q2	Price value for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q3	Price value for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q4	Price value for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

<i>Header</i>	<i>Content and format</i>
Hour2Q1	Price value for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q2	Price value for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q3	Price value for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q4	Price value for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Baseload (0-23)	Average hourly price for the 23 hours of the day, two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.

<i>Header</i>	<i>Content and format</i>
Sun-Peak (10-15)	Average hourly price for block including Hours 10 to 15, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

Volumes Tab

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Volume traded for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q2	Volume traded for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q3	Volume traded for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q4	Volume traded for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q1	Volume traded for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q2	Volume traded for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q3	Volume traded for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q4	Volume traded for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN

<i>Header</i>	<i>Content and format</i>
	SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Daily Volume	Volume traded for the 96 quarter of hour of the day, one decimal.

- Intraday_auction_spot_prices_15-call-DE_YYYY.csv contains the data for the current year

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Price value for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q2	Price value for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q3	Price value for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour1Q4	Price value for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q1	Price value for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q2	Price value for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), two decimals.

<i>Header</i>	<i>Content and format</i>
Hour2Q3	Price value for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour2Q4	Price value for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Price value for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), two decimals. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	
Maximum	Maximum price, two decimals.
Minimum	Minimum price, two decimals.
Off-Peak (00-07 & 20-23)	Average hourly price for block including Hours 0 to 7 (OP1) and 20 to 23 (OP2), two decimals.
Baseload (0-23)	Average hourly price for the 24 hours of the day, two decimals.
Off-Peak 1 (00-07)	Average hourly price for block including Hours 0 to 7, two decimals.
Peakload (8-19)	Average hourly price for block including Hours 8 to 19, two decimals.
Sun-Peak (10-15)	Average hourly price for block including Hours 10 to 15, two decimals.
Off-Peak 2 (20-23)	Average hourly price for block including Hours 20 to 23, two decimals.

- Intraday_auction_spot_volumes_15-call-DE_YYYY.csv contains the data for the current year

<i>Header</i>	<i>Content and format</i>
Hour1Q1	Volume traded for 00:00 to 00:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q2	Volume traded for 00:15 to 00:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q3	Volume traded for 00:30 to 00:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour1Q4	Volume traded for 00:45 to 01:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q1	Volume traded for 01:00 to 01:15 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q2	Volume traded for 01:15 to 01:30 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q3	Volume traded for 01:30 to 01:45 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour2Q4	Volume traded for 01:45 to 02:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal.
Hour3AQ1 – Hour3AQ2 – Hour3AQ3 – Hour3AQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is empty for switch to summer time (DST – Daylight Saving Time)
Hour3BQ1 – Hour3BQ2 – Hour3BQ3 – Hour3BQ4	Volume traded for quarters between 02:00 to 03:00 CET (IN WINTER)/CEST (IN SUMMER), one decimal. Field is filled for switch to winter time (DST – Daylight Saving Time)
..	

<i>Header</i>	<i>Content and format</i>
Daily Volume	Volume traded for the 96 quarter of hour of the day, one decimal.

b) Aggregated curves

- File names:
Intraday_auction_aggregated_curves_15-call_germany_YYYYMMDD.xlsx
Intraday_auction_aggregated_curves_15-call_germany_YYYYMMDD.csv

The aggregated curves are the illustration of how the quarterly prices are determined. The data is published on a daily basis at approximately 03:30 PM CET (IN WINTER)/CEST (IN SUMMER).

Line 1: # trading date (DD/M/YY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX Intraday Market Auction 15 minute call - Germany

<i>Column Header</i>	<i>Content and format</i>
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week
Hour	Hour name (1 to 24)
Quarter hour	Quarter name in the hour (1 to 4)
Price	Euros, two decimals. Minimum price = -3000 €/MWh; maximum price = 3000 €/MWh
Volume	MW, no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

3.6 Data: EEX Power Derivatives

On the EPEX SPOT's ftp server, you will access EEX Power Derivatives data for Germany, France, Switzerland, Belgium, the Netherlands, UK, Italy, Spain, Romania, Greece, Nordic countries in:

- **xls format** (one file per market per year updated at the end of trading session with the exception of one file per month for German options) under the following directory: <ftp://ftp.epexspot.com/statistics/>

BelgianFinancialPowerFuturesHistory_YYYY.xls
 BelgianPhysicalPowerFuturesHistory_YYYY.xls
 DutchFinancialPowerFuturesHistory_YYYY.xls
 DutchPhysicalPowerFuturesHistory_YYYY.xls
 FrenchFinancialPowerFuturesHistory_YYYY.xls
 FrenchFinancialPowerFuturesHistory_NonMTF_YYYY.xls
 FrenchPowerOptionsHistory_YYYY.xls
 GermanIntradayCapPowerFuturesHistory_YYYY.xls
 GermanIntradayFloorPowerFuturesHistory_YYYY.xls
 GreekFinancialPowerFuturesHistory_YYYY.xls
 ItalianFinancialPowerFuturesHistory_YYYY.xls
 ItalianPowerOptionsHistory_YYYY.xls
 NordicFinancialPowerFuturesHistory_YYYY.xls
 PhelixPowerFuturesHistory_YYYY.xls
 PhelixFinancialPowerFuturesHistory_Non-MTF_YYYY.xls
 PhelixPowerOptionsHistory_YYYYMM.xls
 RomanianFinancialPowerFuturesHistory_YYYY.xls
 SpanishFinancialPowerFuturesHistory_YYYY.xls
 SpanishPowerOptionsHistory_YYYY.xls
 SwissFinancialPowerFuturesHistory_YYYY.xls
 UKFinancialPowerFuturesHistory_YYYY.xls
 WindPowerFutureHistory_YYYY.xls
 PhelixATPowerFuturesHistory_YYYY.xls
 PhelixDEPowerFuturesHistory_YYYY.xls
 PhelixDEPowerFuturesHistory_Non-MTF_YYYY.xls
 PhelixDEPowerOptionsHistory_YYYY.xls
 PhelixATPowerFuturesHistory_Non-MTF_YYYY.xls
 CzechFinancialPowerFuturesHistory_YYYY.xls
 HungarianFinancialPowerFuturesHistory_YYYY.xls

- **csv format** (one file per day per market updated at the end of trading session) under the following directory: ftp://ftp.epexspot.com/derivatives_market

PowerOptionMarketResults_YYYYMMDD.csv
 PowerFutureMarketResults_YYYYMMDD.csv
 WindPowerFutureMarketResults_YYYYMMDD.csv

- **xml format** (one file per day per market for German, French, Dutch and Belgian markets) under the following directory:

- <ftp://ftp.epexspot.com/mis.eex.com/derivatives/xml/YYYY/YYYYMMDD>

UKFinancialPowerFutureMarketResults_YYYYMMDD.xml
 WindPowerFutureMarketResults_YYYYMMDD.xml

SwissPowerFutureMarketResults_YYYYMMDD.xml
SpanishPowerFutureMarketResults_YYYYMMDD.xml
RomanianPowerFutureMarketResults_YYYYMMDD.xml
PowerOptionMarketResults_YYYYMMDD.xml
PhelixPowerFutureMarketResults_YYYYMMDD.xml
PhelixPowerFutureMarketResults_Non-MTF_YYYYMMDD.xml
NordicPowerFutureMarketResults_YYYYMMDD.xml
ItalianPowerFutureMarketResults_YYYYMMDD.xml
GreekPowerFutureMarketResults_YYYYMMDD.xml
GermanIntradayCapPowerFuturesMarketResults_YYYYMMDD.xml
GermanIntradayFloorPowerFutureMarketResults_YYYYMMDD.xml
FrenchFinancialPowerFutureMarketResults_YYYYMMDD.xml
FrenchFinancialFuturesMarketResults_Non-MTF_YYYYMMDD.xml
DutchPowerFutureMarketResults_YYYYMMDD.xml
DutchFinancialPowerFutureMarketResults_YYYYMMDD.xml
BelgianPowerFutureMarketResults_YYYYMMDD.xml
BelgianFinancialPowerFutureMarketResults_YYYYMMDD.xml
PhelixDEPowerFutureMarketResults_YYYYMMDD.xml
PhelixATPowerFutureMarketResults_YYYYMMDD.xml
PhelixDEPowerFutureMarketResults_Non-MTF_YYYYMMDD.xml
PhelixATPowerFutureMarketResults_Non-MTF_YYYYMMDD.xml
CzechFinancialPowerFutureMarketResults_YYYYMMDD.xml
HungarianFinancialPowerFutureMarketResults_YYYYMMDD.xml

For more information on EEX files please visit the following pages:

<http://www.eex.com/en/market-data/market-data-download/product-contents/trading-data/>

3.7 Data: EPEX SPOT Capacity Market

The French Capacity Market process went live on the 5th of December 2016, the first auction is to be held on the 15th of December 2016. Order books will be open from the 8th until the 15th of 2016, they will close at 14.30. Payment and delivery will be initiated by ECC on the 16th of December 2016. A description of the Auction process can be found on the website at this link:

https://www.epexspot.com/en/extras/download-center/trading_documents

A new section was created in December 2016 on the ftp server: The EPEX SPOT French capacity market files are accessible in the following ftp directories:

- ftp://ftp.epexspot.com/spot_market/auction/capacity_market/france for the yearly files
ftp://ftp.epexspot.com/spot_market/auction/capacity_market/france/curves for the aggregated curves

a) Capacity market results

- capacity_market_france_YYYY.xlsx

Line 1: trading date (DD/MM/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Prices Tab

<i>Header</i>	<i>Content and format</i>
YYYY	Price value for underlying year, five decimals
YYYY+1	Price value for underlying year, five decimals
YYYY+2	Price value for underlying year, five decimals
....	

Volumes Tab

<i>Header</i>	<i>Content and format</i>
YYYY	Volume value for underlying year, one decimal
YYYY+1	Volume value for underlying year, one decimal
YYYY+2	Volume value for underlying year, one decimal
....	

- capacity_market_prices_france_YYYY.csv contains the data for the current year

Line 1: trading date (DD/MM/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

<i>Header</i>	<i>Content and format</i>
YYYY	Price value for underlying year, five decimals

Header	Content and format
YYYY+1	Price value for underlying year, five decimals
YYYY+2	Price value for underlying year, five decimals
....	

- capacity_market_volumes_france_YYYY.csv contains the data for the current year

Line 1: trading date (DD/MM/YY), time of publication (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM)

Header	Content and format
YYYY	Volume value for underlying year, one decimal
YYYY+1	Volume value for underlying year, one decimal
YYYY+2	Volume value for underlying year, one decimal
....	

b) Aggregated curves

- File names:
capacity_market_aggregated_curves_france_YYYYMMDD.xlsx
capacity_market_aggregated_curves_france_YYYYMMDD.csv

The aggregated curves are the illustration of how the year prices are determined. The data is published after each auction at approximately 03:00 PM CET (IN WINTER)/CEST (IN SUMMER).

Line 1: # trading date (DD/MM/YYYY) + publication time (HH:MM CET (IN WINTER)/CEST (IN SUMMER)AM or PM): Aggregated Curves - EPEX French Capacity Market

Column Header	Content and format
Date	Delivery date DD/MM/YYYY
Week	Number of current week in current year
Week Day	Number of current day in current week

<i>Column Header</i>	<i>Content and format</i>
Year	Year Name (2017, 2018...)
Price (EUR)	Euros, two decimals. Minimum price = 0 €/MWh; maximum price = 2000 €/MWh
Volume	Number of certificates (1 certificate = 0.1MW), no decimal
Sale/Purchase	Sell or Purchase as determined in the order book

4 Contacts

Your contacts	
<p>Sales</p> <p>Françoise Maguet ☎ + 33 (0) 1 73 03 61 83 marketdata@epexspot.com</p> <p>Administrative</p> <p>Mathilde Le Henry marketdata@epexspot.com</p>	<p>Data (FR, DE, AT, CH)</p> <p>Vincent Herlant marketdata@epexspot.com</p> <p>Data (BE, NL,UK)</p> <p>Thijs Engels marketdata@epexspot.com</p>