

Explanatory Note - data publication Front Report

At the end of each business day, ICE Endex establishes settlement prices for the markets it operates. The Front Report as published in the ICE Report Center provides a summary of the contracts frequently used in end user delivery contracts. Thus intending to provide a transparent overview of the more relevant contracts as well as to clarify for which contracts the pricing window methodology was used.

The Front Report is available for the following ICE Endex contracts:

- BPB: Belgian Power Base Load Futures
- DPA: Dutch Power Peak Load (8-20) Futures
- DPB: Dutch Power Base Load Futures
- TFM: TTF Natural Gas Base load Futures

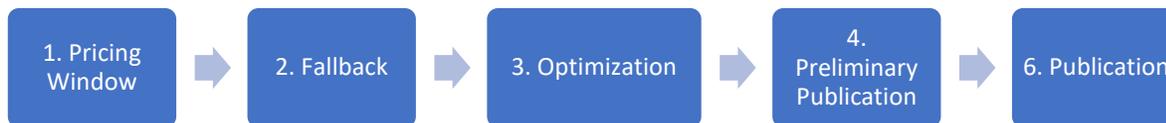
For others contracts, the Front Report can be produced on clients demand.

The front prices for these markets as published in the report (e.g. for Belgian Power Base Load Futures – Month + 3, Quarter + 4 and Calendar + 3) are based on the pricing window or, as the case may be, by the fall back scenario. Settlement prices established by means of the pricing window are prices based on trades, fulfilling pre-defined prerequisite conditions (as detailed later in this document) leading to a higher transparency of the calculation input; while settlement prices established by means of the fall back scenario are prices resulting from a market assessment. In case a price has been established by means of the pricing window, this price is marked with a “1”. In case a price has been established by other means than the pricing window following the process described in the ICE Endex Futures Market Rules, this price is marked with a “2”.

Settlement prices before their publication are displayed on the trading platform as preliminary settlement prices to market parties, and subject to a 5 minute window that allows market participants to submit remarks on the curve level. Once the 5 minute window is closed the settlement prices are final and will be published.

The pricing methodology as applied by ICE Endex is further explained below for information purposes only and on the condition that errors or omissions shall not be made the basis for any claim, demand, or cause of action.

The settlement prices are established on the basis of the following steps:



1. Pricing Window Methodology

The basic principle underpinning the pricing window-methodology is that settlement prices will be based on trades executed in the order book during a pre-defined time period, complying with the minimum total traded volume requirement as set per individual market. The settlement price resulting from the pricing window shall be the volume weighted average price (VWAP) of the trades executed during that pre-defined time period.

Only transactions executed in the order book of the ICE Endex Futures Exchange are taken into account for calculating the prices; block trades, EFPs and EFSs reported by means of the Block Trade Facility are disregarded. Trades which have been cancelled during the pricing window will not be included in the calculations either. As part of its responsibilities as an operator of a Regulated Market under MiFID, ICE Endex will monitor market developments during the pricing window and will not consider individual trade prices in case they are not in line with the actual conditions of the market.

2. Fall back Methodology

In the absence of valid transactions during the pricing window, the following factors will be taken into consideration:

- Trades during the pricing window;
Trades during the pricing window, where the total volume does not surpass the minimum traded volume threshold.
- Quotes submitted during the pricing window;
The price and volume of the bid and ask quotes during the pricing window.
- Implied Price;
If applicable, the implied price of the missing strip will be used as preliminary settlement price.
- Trading activity during the day;
The market activities (quotes, trades and market trend) during the day will be used as input.
- External sources;
The latest market activities (quotes, trade and market trend) as available by external data provider(s) will be used as input.
- Correlated Market as proxy;
The market trend of the market of which price formation in the past has shown to be most heavily correlated will be used as input.

- Price assessment;
This is a discretionary assessment combining multiple sources (from market parties, market trend and/or previous settlement) of input.

3. Basics of the optimisation step

Since the settlement prices are established by ICE Endex for the prime purpose of allowing the Clearing House to risk manage positions, in some circumstances the settlement prices, as determined by either the pricing window or alternative sources, may need to be adjusted to ensure they are free of arbitrage. The free-of-arbitrage requirement is set by the Clearing House in order to cater for a secure and correct margining process. Contracts with overlapping delivery periods will need to be consistent. Furthermore, the settlement price of the composite contracts will need to be cascaded into monthly settlement prices for the purpose of building a forward curve with a monthly granularity.

The month which has traded the higher volume of the first two months contracts will be the designated contract from which the settlement is anchored, provided that the volume traded during the designated settlement period is equal to or exceeds a level determined by the Exchange from time to time. For the emission futures contracts the month which has traded the higher volume of the first two December contracts will be the designated contract from which the settlement is anchored.

4. Preliminary publication of settlement prices

The above-mentioned forward curve is supplied to the market as a range of preliminary settlement-prices first, through the trading platform. As from this moment, the members have a 5 minute window of opportunity to raise potential concerns on the price-curve. If no concerns are raised in this 5 minute window, the curve will be final. If comments are received that are considered valid and Market Supervision has decided to amend the preliminary settlement, the new settlement prices will again be published on the trading platform with again a 5-minute window of opportunity for the market to give raise concerns. In case none have been raised in this 5 minute window, the curve will become final. If however in the 5 minute window valid comments are received and Market Supervision had to amend the settlement-prices, an additional 5 minute unofficial window will be published until no further comments have been received.

To allow for timely processing, comments and remarks on the preliminary settlement prices must be addressed directly to the Market Supervision team reachable at +44 (0)20 7382 8200, Option 3.

5. Publication of settlement prices

After ICE Endex has established settlement prices for all contracts (in strips of months), the settlement prices are automatically published in the End of Day Report at the ICE Report Centre, www.theice.com. The settlement prices are used by ICE Clear Europe to calculate margins for the relevant contract

6. Usage of settlement prices for other means than risk management by the clearinghouse

Given their theoretical nature, end-of-day settlement prices are considered less suitable as a basis for supplying intermediary services to non-professional clients (e.g. as parameter in commercial delivery contracts). A reasonable professional understanding of the price formation process on wholesale energy markets is expected with anyone using the prices as published in the report.