

WORKSHOP ON RENEWABLES AND ELECTRICITY PRICES

Paris, June 01, 2015

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- RENEWABLES INTRA-HOUR RAMPS TRUISM
- TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES
- THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

RENEWABLES INTRA-HOUR RAMPS TRUIISM

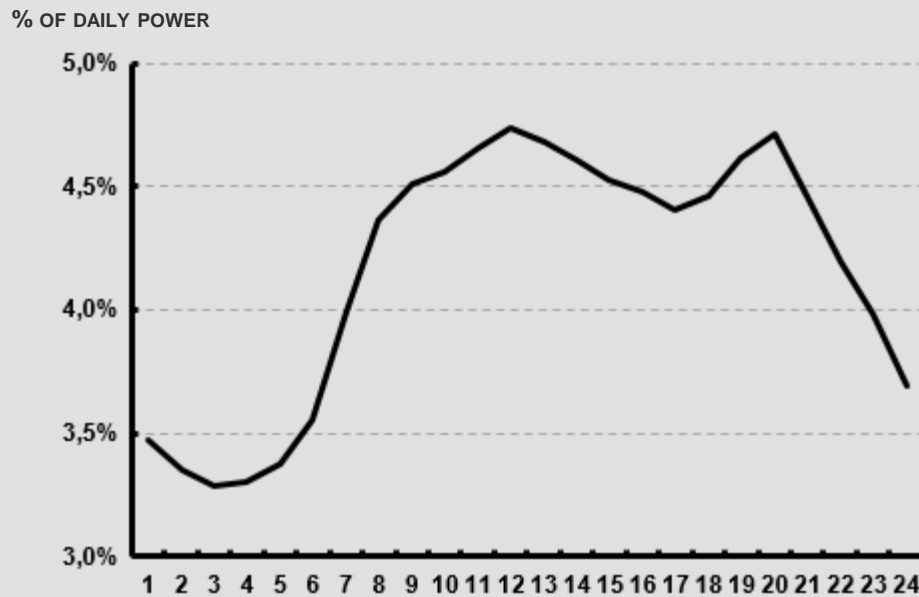
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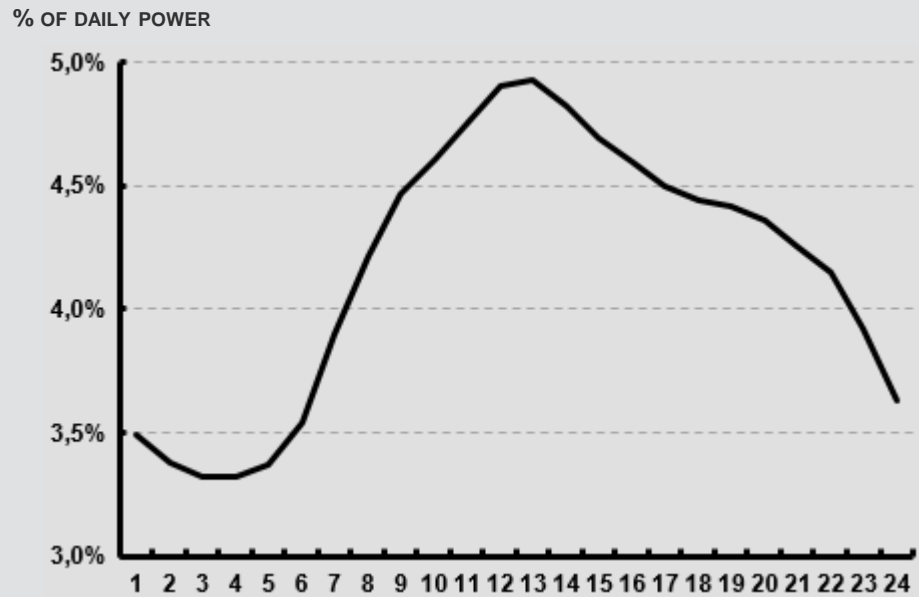
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RENEWABLES INTRA-HOUR RAMPS TRUIISM

THE SHAPE OF THE GERMAN ELECTRIC LOAD IN OCTOBER 2013
(SOURCE: ENTOSE)

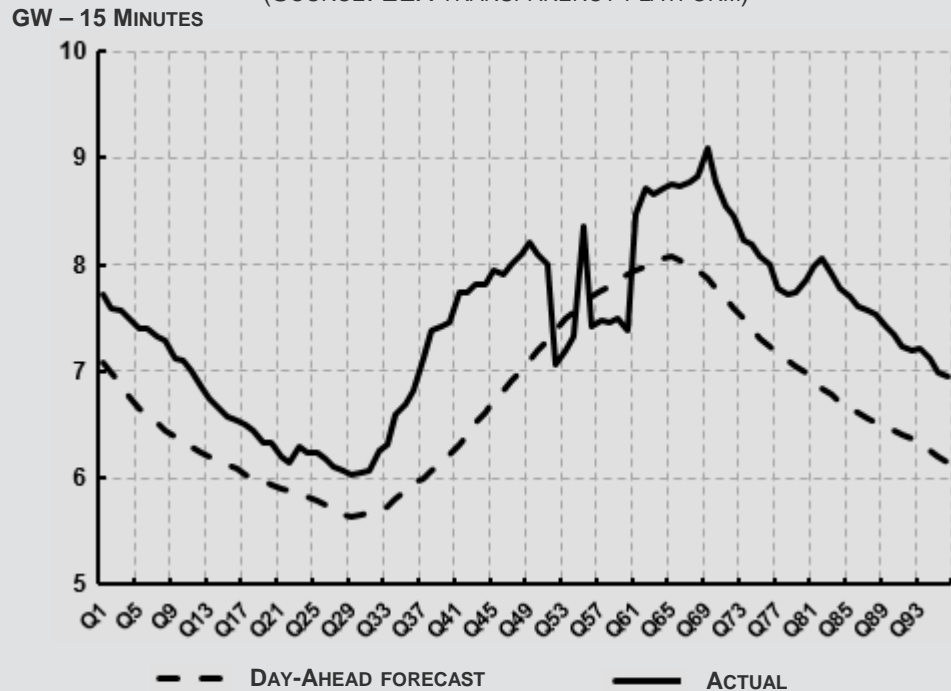


THE SHAPE OF THE GERMAN ELECTRIC LOAD IN AUGUST 2013
(SOURCE: ENTOSE)

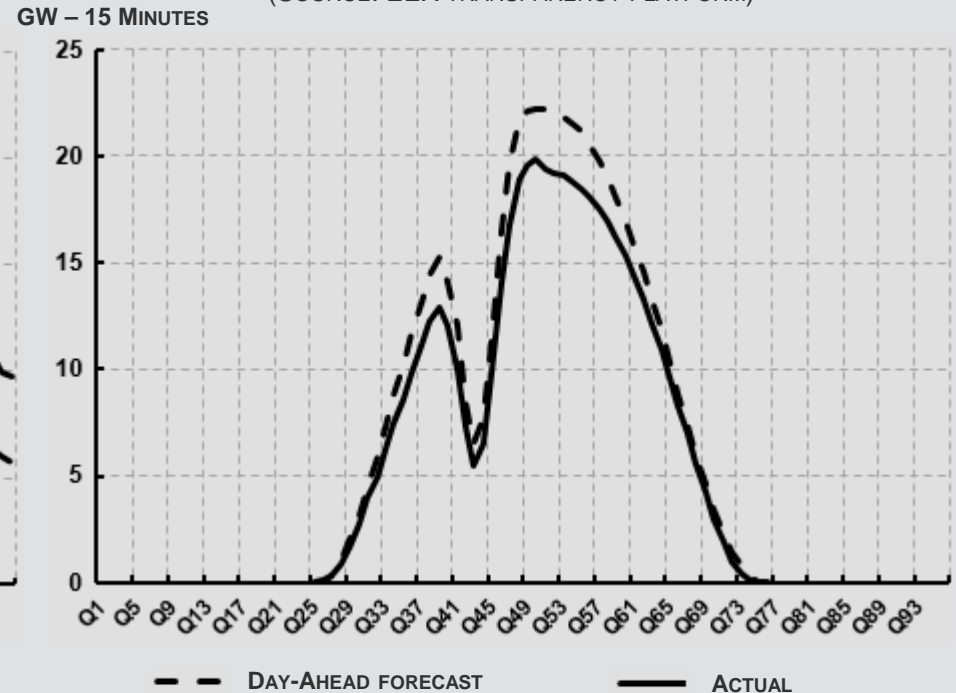


RENEWABLES INTRA-HOUR RAMPS TRUIISM

WIND ENERGY DAY-AHEAD FORECAST VERSUS ACTUAL OUTPUT
IN TENNET CONTROL AREA ON MARCH 24, 2013
(SOURCE: EEX TRANSPARENCY PLATFORM)



SOLAR PV DAY-AHEAD FORECAST VERSUS ACTUAL OUTPUT
IN GERMANY ON MARCH 20, 2015
(SOURCE: EEX TRANSPARENCY PLATFORM)



TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES

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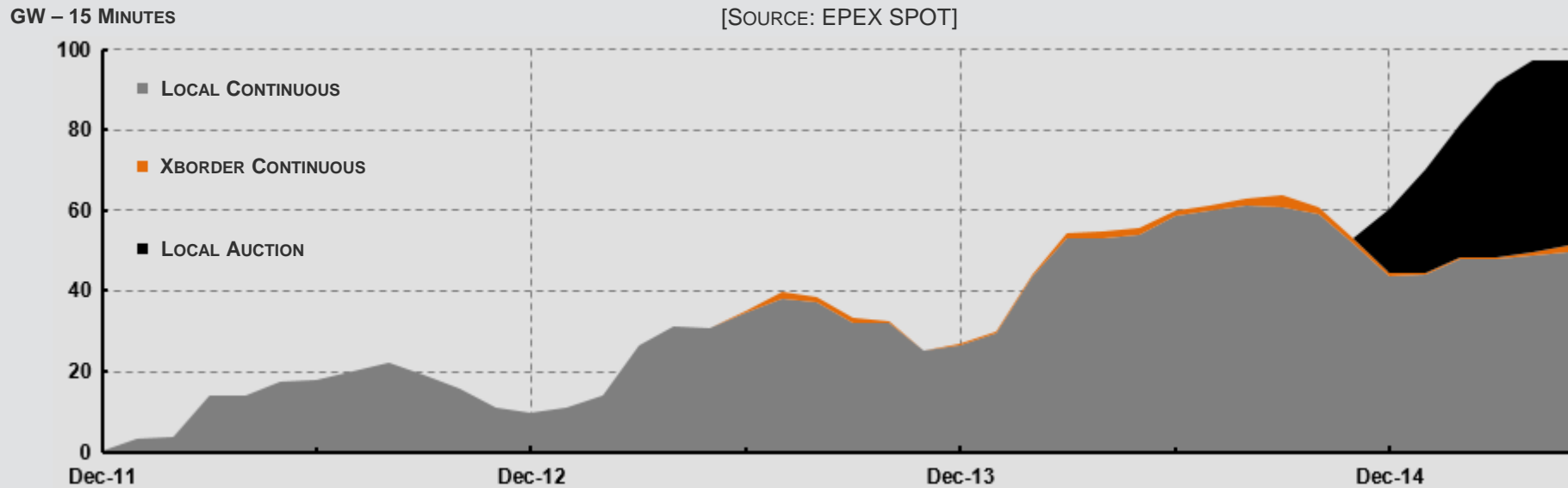
TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



THE DAILY AVERAGE TRANSACTED VOLUME
MONTH ON MONTH, OVER DEC 14, 2011 – MAY 21, 2015
[SOURCE: EPEX SPOT]



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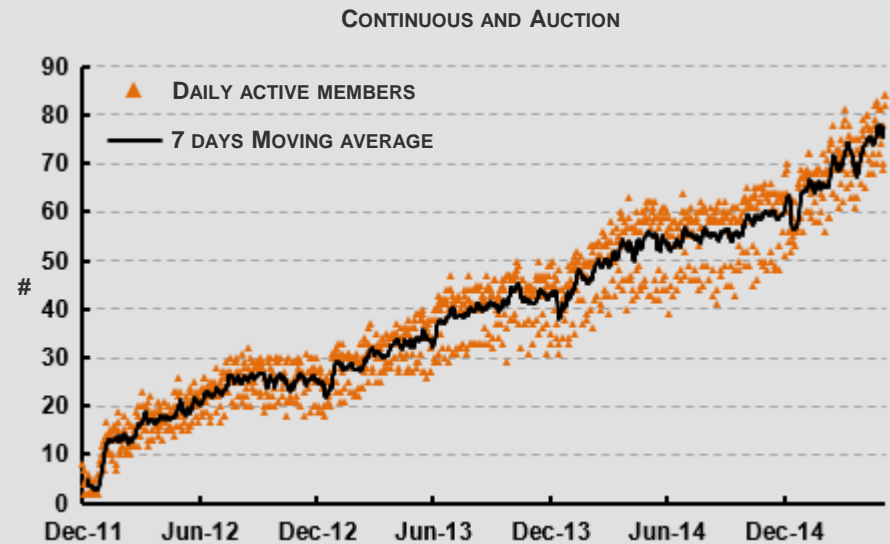
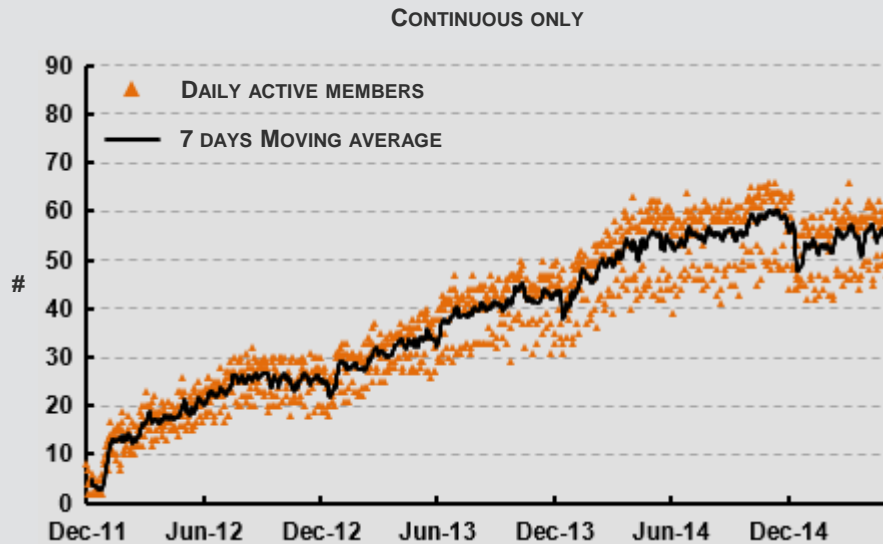


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TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



THE DAILY NUMBER OF ACTIVE MARKET PARTICIPANTS FROM DECEMBER 14, 2011 THROUGH MAY 21, 2015
[SOURCE: EPEX SPOT]



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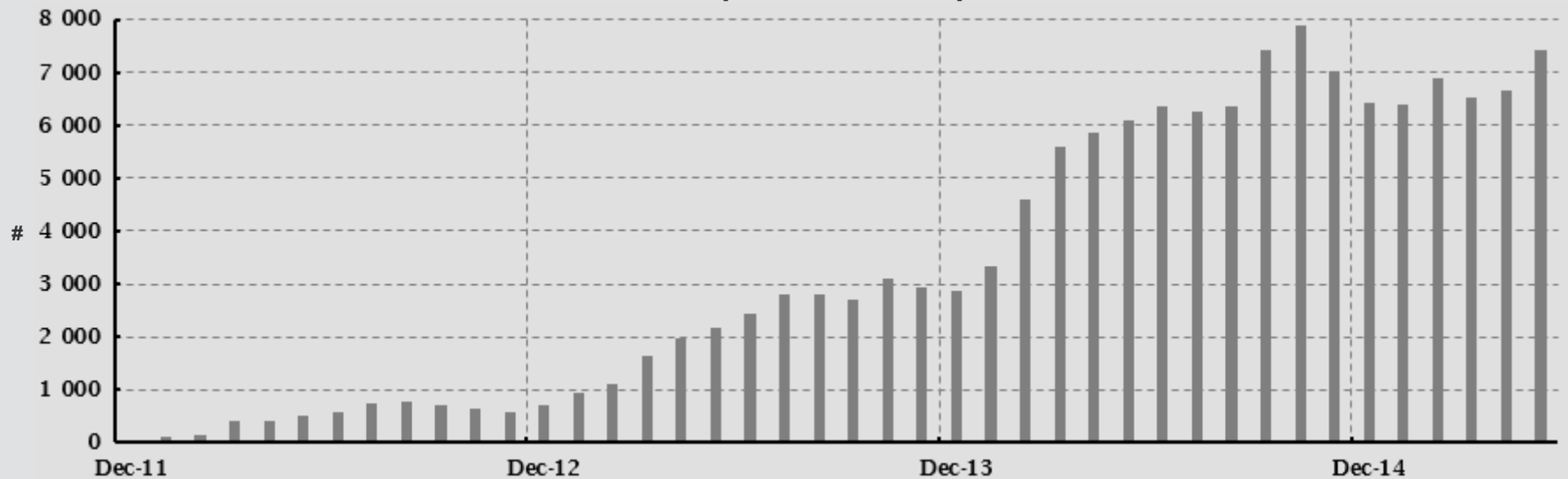
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TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



THE DAILY AVERAGE NUMBER OF TRANSACTIONS ON THE 15 MINUTES CONTINUOUS INTRADAY MONTH ON MONTH, OVER DEC 14, 2011 – MAY 21, 2015
[SOURCE: EPEX SPOT]



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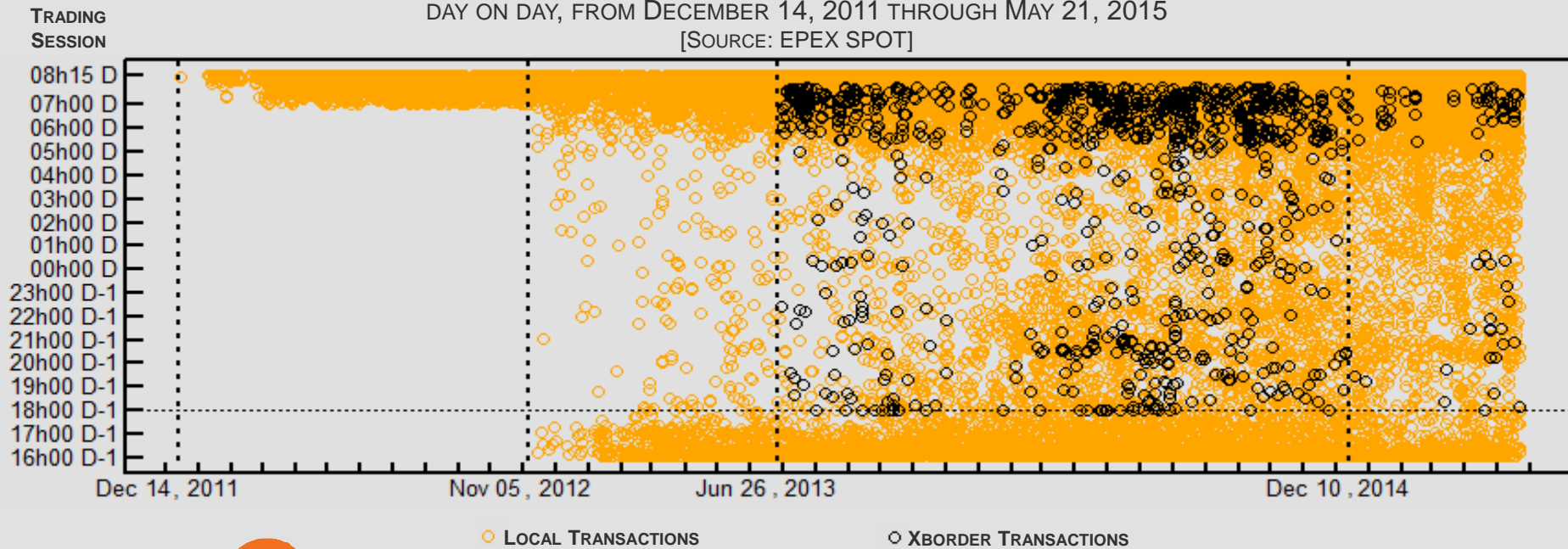


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TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



THE TRADING SESSION ANIMATION FOR THE PRODUCT 09:00 – 09:15 DAY ON DAY, FROM DECEMBER 14, 2011 THROUGH MAY 21, 2015
[SOURCE: EPEX SPOT]



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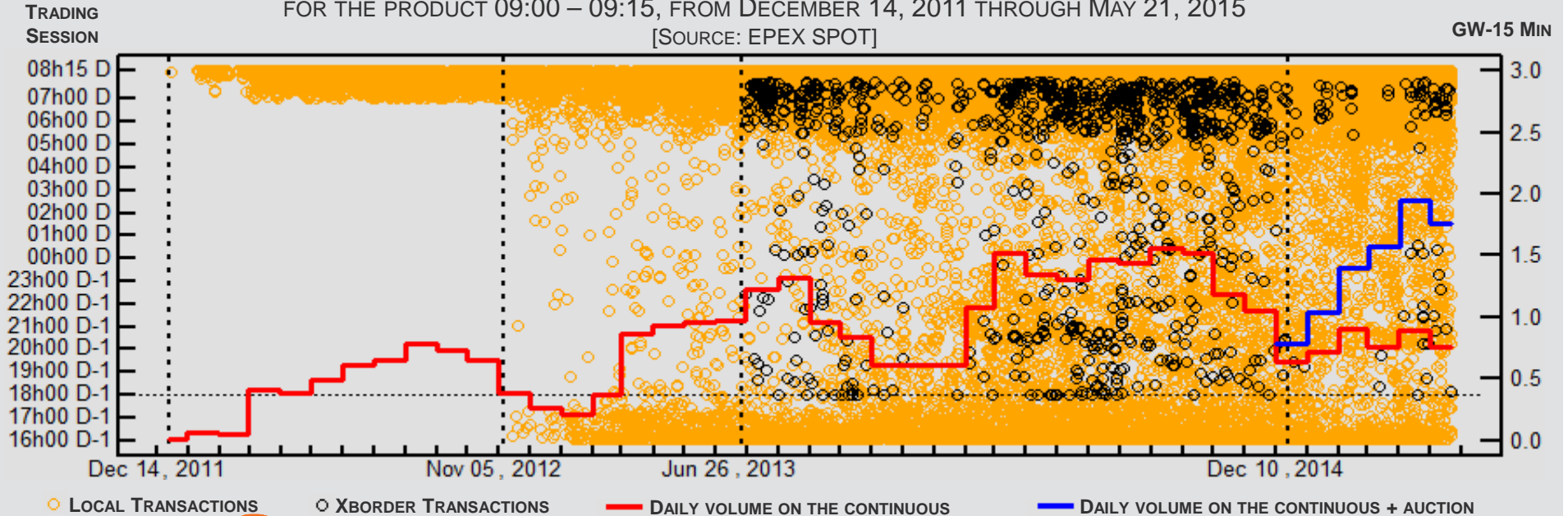


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TRADING THE 15 MINUTES DISPATCH INTERVALS – KEY FEATURES



THE TRADING SESSION ANIMATION VERSUS THE DAILY AVERAGE TRANSACTED VOLUME BY MONTH FOR THE PRODUCT 09:00 – 09:15, FROM DECEMBER 14, 2011 THROUGH MAY 21, 2015
[SOURCE: EPEX SPOT]



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THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

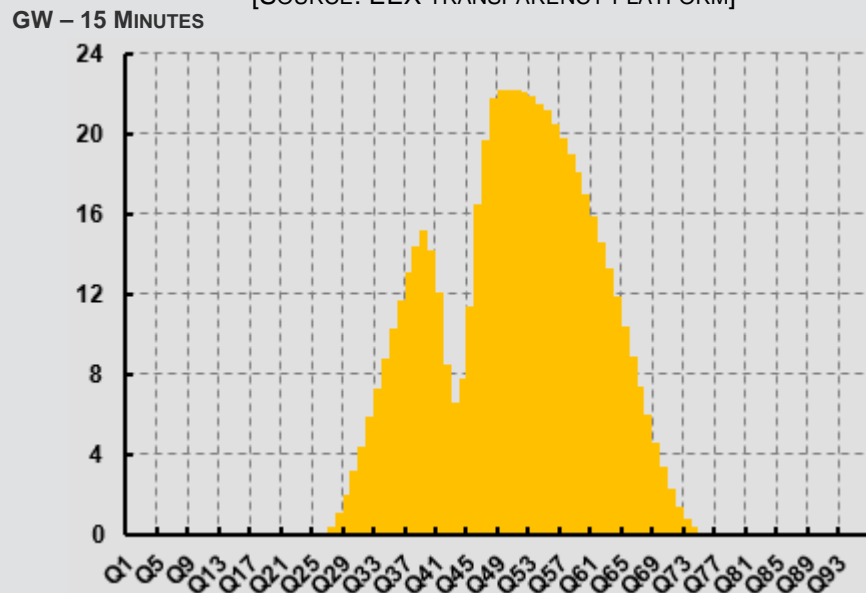
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THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR
DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]



The European Power Exchange EPEX SPOT has published a study about the effects the solar eclipse had on European power markets. A PDF version of the full study can be found here:

https://www.epexspot.com/document/31732/2015_EPEX%20SPOT_March%20Solar%20eclipse.pdf

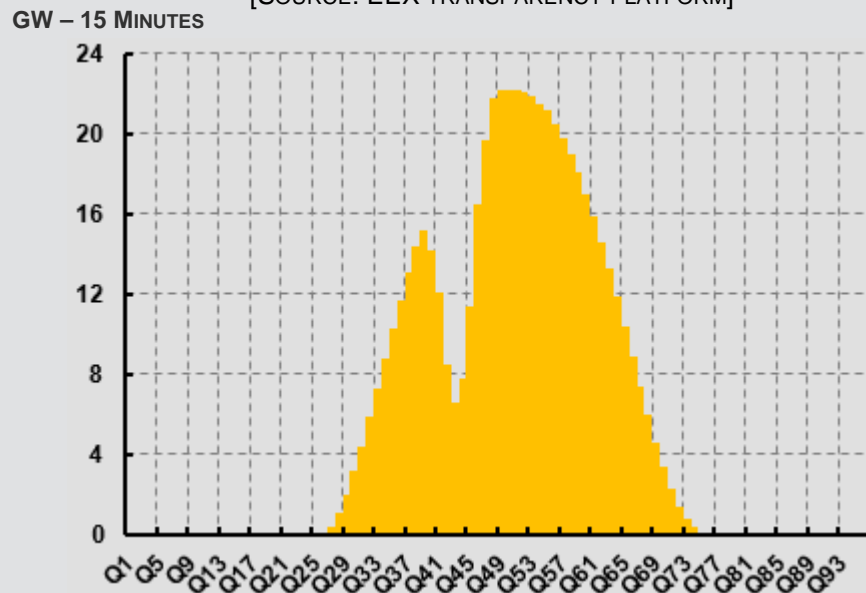
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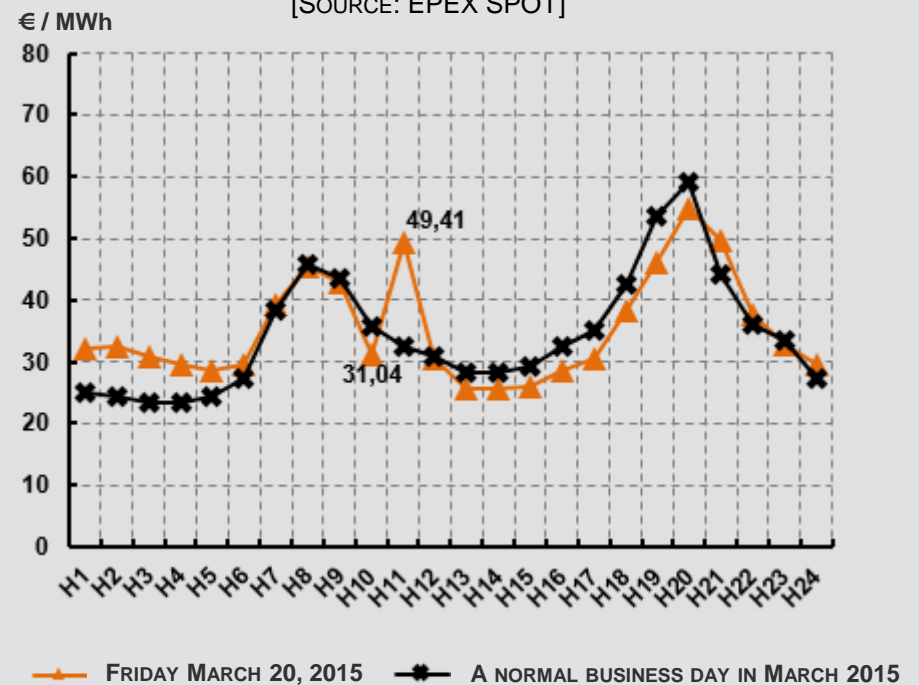
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THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]

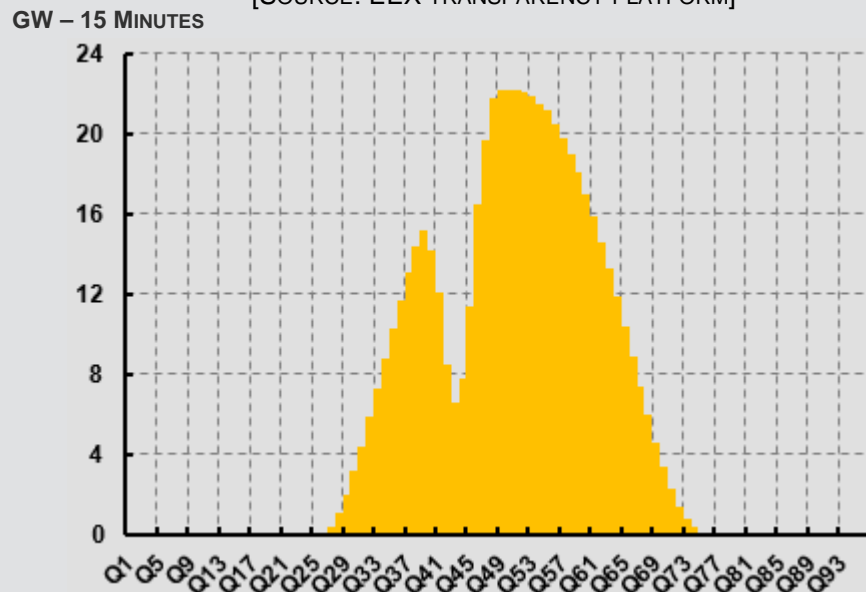


EPEX GERMANY/AUSTRIA HOURLY PRICES FRIDAY MARCH 20, 2015 VS A NORMAL BUSINESS DAY IN MARCH 2015
[SOURCE: EPEX SPOT]

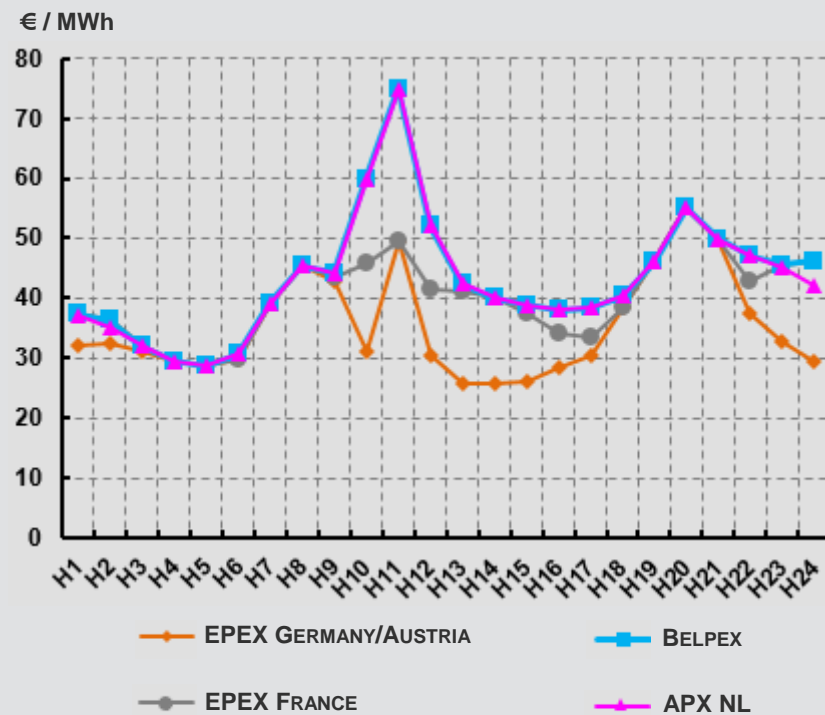


THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]

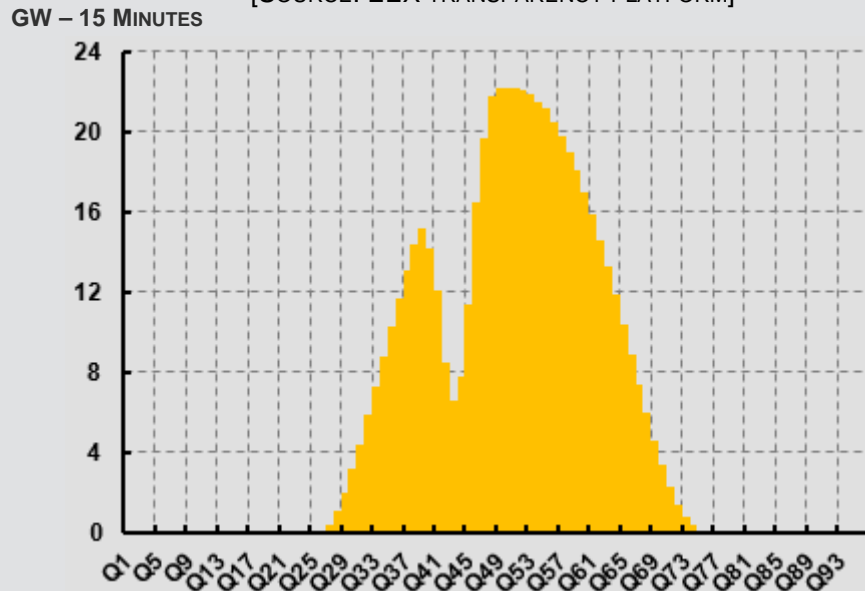


CWE HOURLY PRICES FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EPEX SPOT, APX, AND BELPEX]

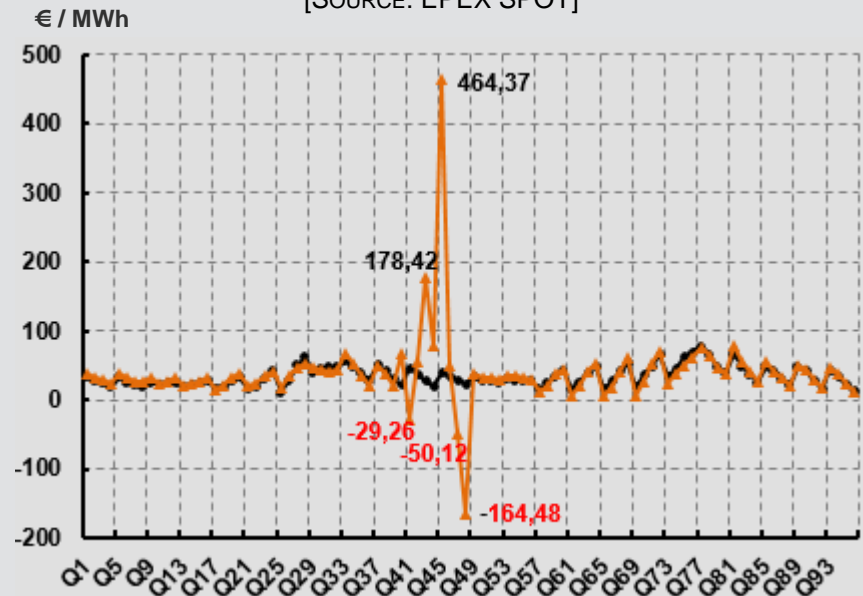


THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]



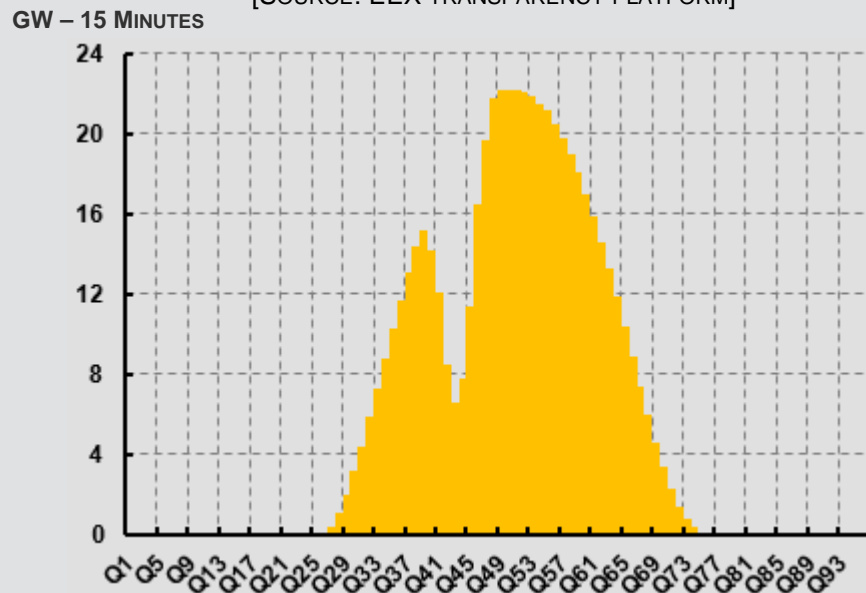
EPEX GERMANY 15 MINUTES AUCTION PRICES FRIDAY MARCH 20, 2015 VS A NORMAL BUSINESS DAY IN MARCH 2015
[SOURCE: EPEX SPOT]



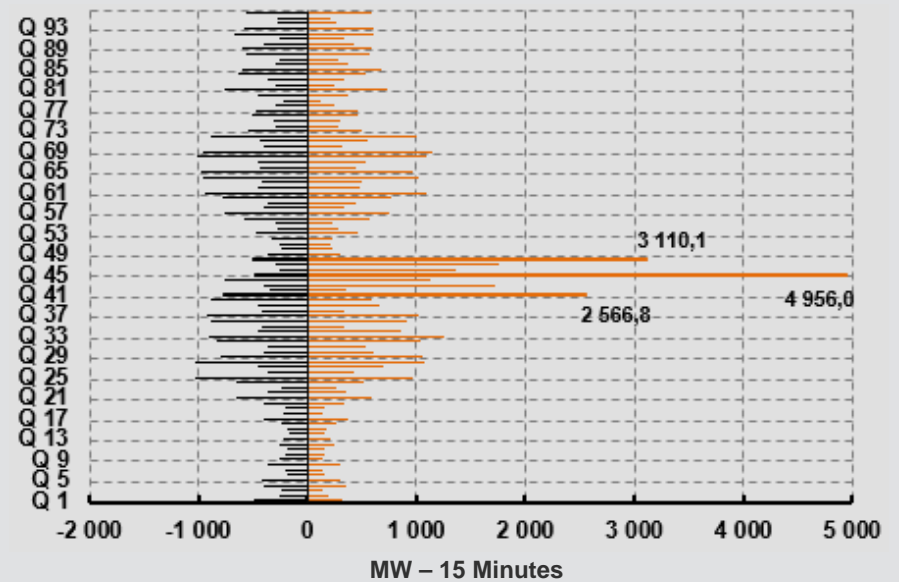
— FRIDAY MARCH 20, 2015 — A NORMAL BUSINESS DAY IN MARCH 2015

THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]



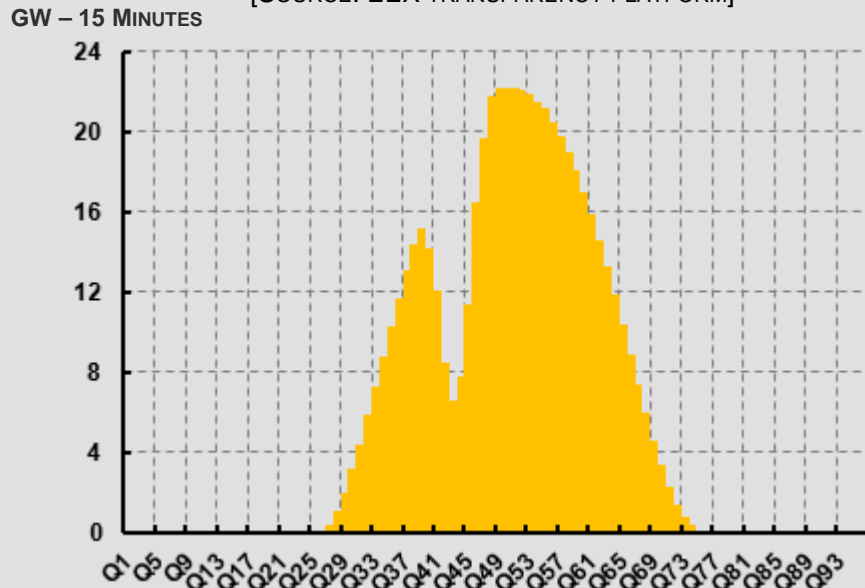
EPEX GERMANY 15 MINUTES AUCTION TRANSACTED VOLUME FRIDAY MARCH 20, 2015 VS A NORMAL BUSINESS DAY IN MARCH 2015
[SOURCE: EPEX SPOT]



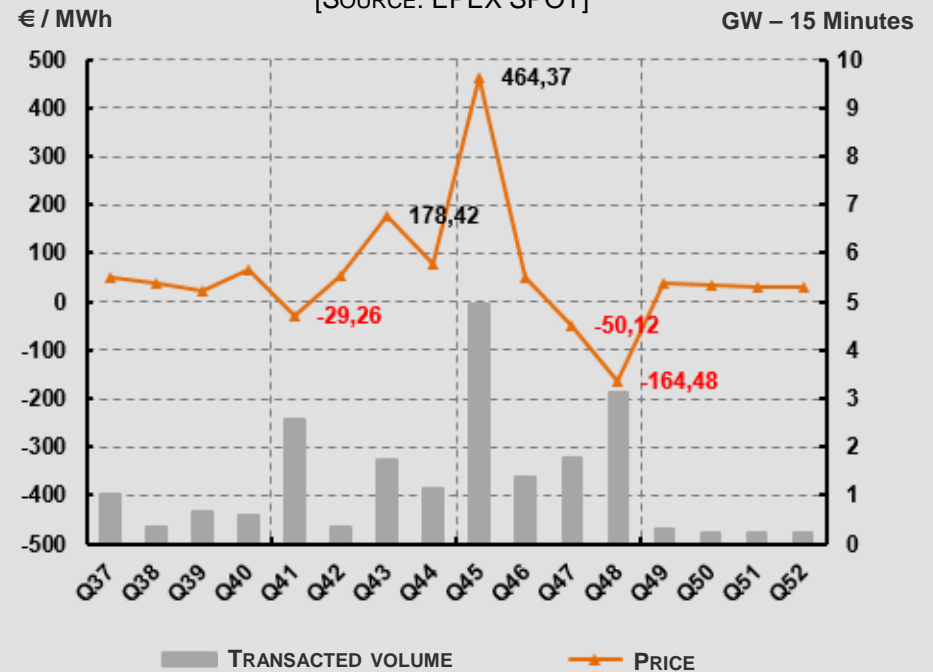
■ FRIDAY MARCH 20, 2015 ■ A NORMAL BUSINESS DAY IN MARCH 2015

THE 15 MINUTES AUCTION – ADDITIONAL SIGNALS

GERMAN SOLAR PV DAY-AHEAD FORECAST FOR DELIVERY FRIDAY MARCH 20, 2015
[SOURCE: EEX TRANSPARENCY PLATFORM]



EPEX GERMANY 15 MINUTES AUCTION PRICES AND VOLUMES OVER THE ECLIPSE HOURS FRIDAY MARCH 20, 2015
[SOURCE: EPEX SPOT]



Thank you for your attention!

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