

# Operational Forum – Entry Capacity Auctions

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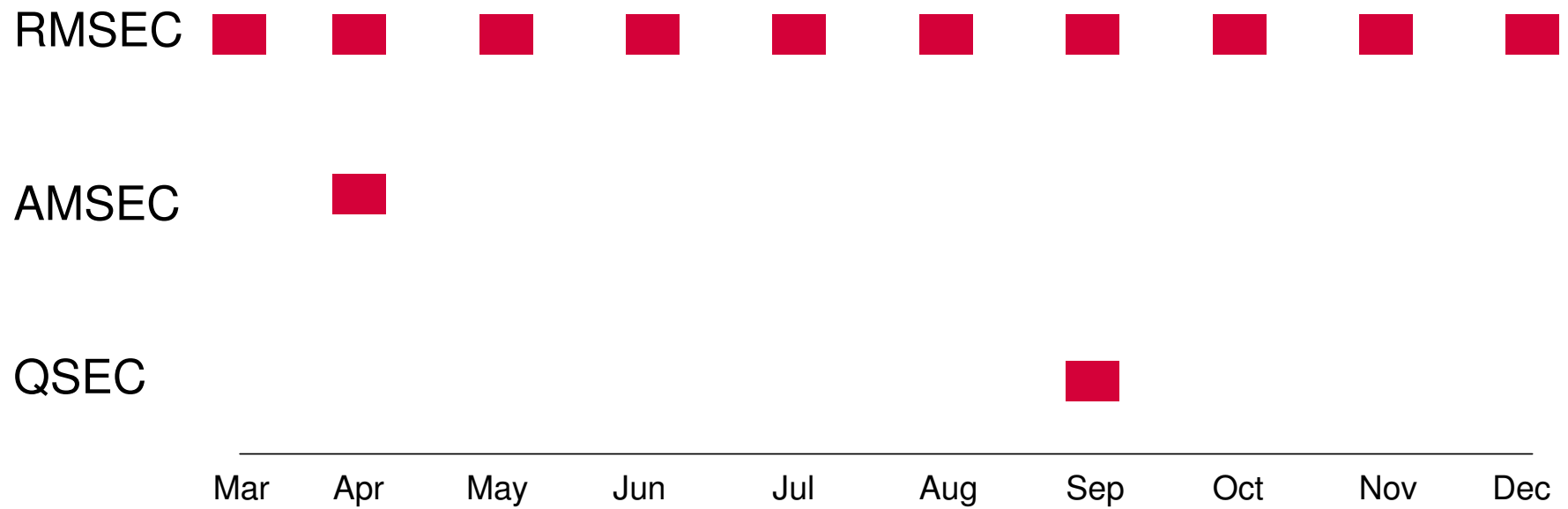
28<sup>th</sup> Feb 2007

Oliver Highway  
(Capacity Manager)

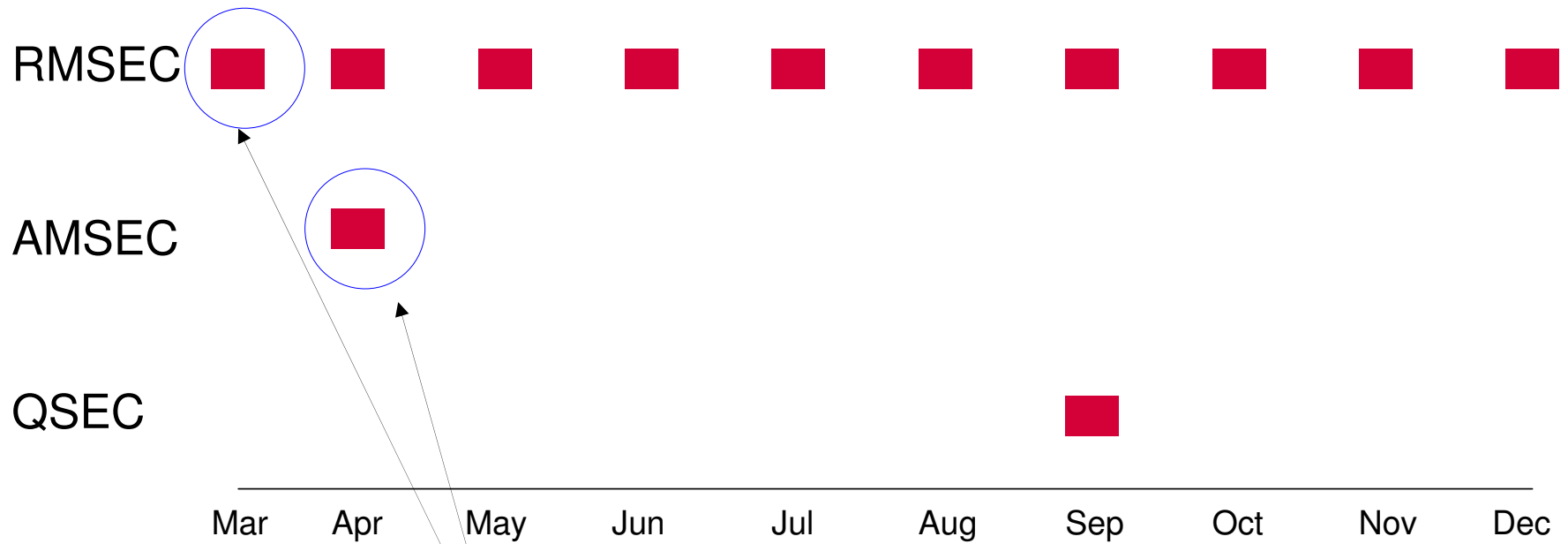
**nationalgrid**

# Long-Term Entry Capacity Auctions – 2007 Timetable

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# Long-Term Entry Capacity Auctions – 2007 Timetable



Focusing on these two

# Entry Capacity Auctions – Our Role

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- ◆ Schedule auctions in accordance with UNC
- ◆ Issue Invitation Letters in accordance with UNC, Licence, Transportation Charges Statement
- ◆ Allocate/Reject bids in accordance with UNC, Licence, Incremental Entry Capacity Release Methodology
- ◆ Publish results – Gemini/NG Website
- ◆ General Auction related queries – Capacity Team, National Grid

# Entry Capacity Auctions – Your Role

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- ◆ Understand/Interpret UNC & Licence – seek expert assistance if required
- ◆ Bidding Strategy
- ◆ Capacity bidding – Gemini (contact xoserve for training)
- ◆ Information Provision – understand individual and aggregate capacity sales & quantities available (Gemini/NG Website)

# Entry Capacity 2007 Auctions – Useful pointers

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- ◆ **Interim Section 23 notice** (published 16<sup>th</sup> Feb'07, consultation ends 16 Mar'07) – introduces new NTS SO baseline entry capacity (GWh/d) values for formula year commencing 1 April 2007

# Section 23 Notice (Appendix – Table A2) – NTS SO baseline levels

## Appendix

### Schedule A: NTS output measures for the price control

Table A2: Initial NTS SO baseline entry capacity (GWh/day)

Terminal	MONTH					
	1≤m≤12	13≤m≤24	25≤m≤36	37≤m≤48	49≤m≤60	m≥61
Bacton	1374	1481	1655	1745	1745	1783.4
Barrow	731	711	711	712	712	309.1
Easington	995	887	1027	1062	1062	1062.0
St. Fergus	1520	1549	1628	1648	1677	1670.7
Teesside	819	741	751	761	761	361.3
Theddlethorpe	682	565	791	848	848	610.7
Glenmavis	99	99	99	99	99	28.5
Partington	215	215	215	215	215	174.6
Avonmouth	149	149	149	149	149	179.3
Isle of Grain	218	218	218	218	218	175.0
Dynevor Arms	50	50	50	50	50	8.0
Hornsea	175	175	175	175	175	164.1
Hatfield Moor (storage)	54	54	54	54	54	14.9
Hatfield Moor (onshore)	1	1	1	1	1	0.3
Cheshire	0	0	107	161	214	285.9
Hole House Farm	26	26	26	26	26	131.6
Wyth Farm	3.2	3.2	3.2	3.2	3.2	3.3
Burton Point	55	55	55	55	55	73.5
Milford Haven	0	0	0	0	0	0

## Appendix

### Schedule A: NTS output measures for the price control

Table A2: Initial NTS SO baseline entry capacity (GWh/day)

Terminal	MONTH					
	1≤m≤12	13≤m≤24	25≤m≤36	37≤m≤48	49≤m≤60	m≥61
Barton Stacey	0	0	0	0	0	82.6
Garton	0	0	0	0	0	0
Burton Agnes (Caythorpe)	0	0	0	0	0	0
Winkfield	0	0	0	0	0	0
Blyborough (Welton)	0	0	0	0	0	0
Tatsfield	0	0	0	0	0	0
Albury	0	0	0	0	0	0
Palmers Wood	0	0	0	0	0	0
Fleetwood	0	0	0	0	0	0

# Entry Capacity 2007 Auctions – Useful pointers (cont'd)

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- ◆ **Apr'07 RMSEC (held in Mar'07)** - auction date prior to 1 Apr'07, therefore offer sum of unsold existing SO baseline & any unsold obligated incremental
- ◆ **2007 AMSEC** (scheduled to be held in Apr'07 for May'07 to Mar'09 capacity)
  - ◆ UNC Mod 0129 delay to 'normal' auction timetable
  - ◆ auction date post 1 Apr'07, therefore offer sum of unsold revised (Section 23 notice) SO baseline\* & any unsold obligated incremental
  - ◆ only NTS SO baselines change – apply current 20% retention of short term NTS SO baseline capacity, subject to 548day rule
  - ◆ \*delay to auction means unsold of 100% SO baseline offered May'07 to Oct'08 (548day rule) and retain 20% baseline quantity Nov'08 to Mar'09
  - ◆ Invitation letter issued shortly after 16<sup>th</sup> March

# Entry Capacity Auctions - Long Term Auction Data

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- ◆ For entry capacity related data, refer to
  - ◆ Individual and aggregate auction data available on Gemini
  - ◆ Summary reports at aggregate level are also posted to the NG website:
    - ◆ [www.nationalgrid.com/uk/gas](http://www.nationalgrid.com/uk/gas)

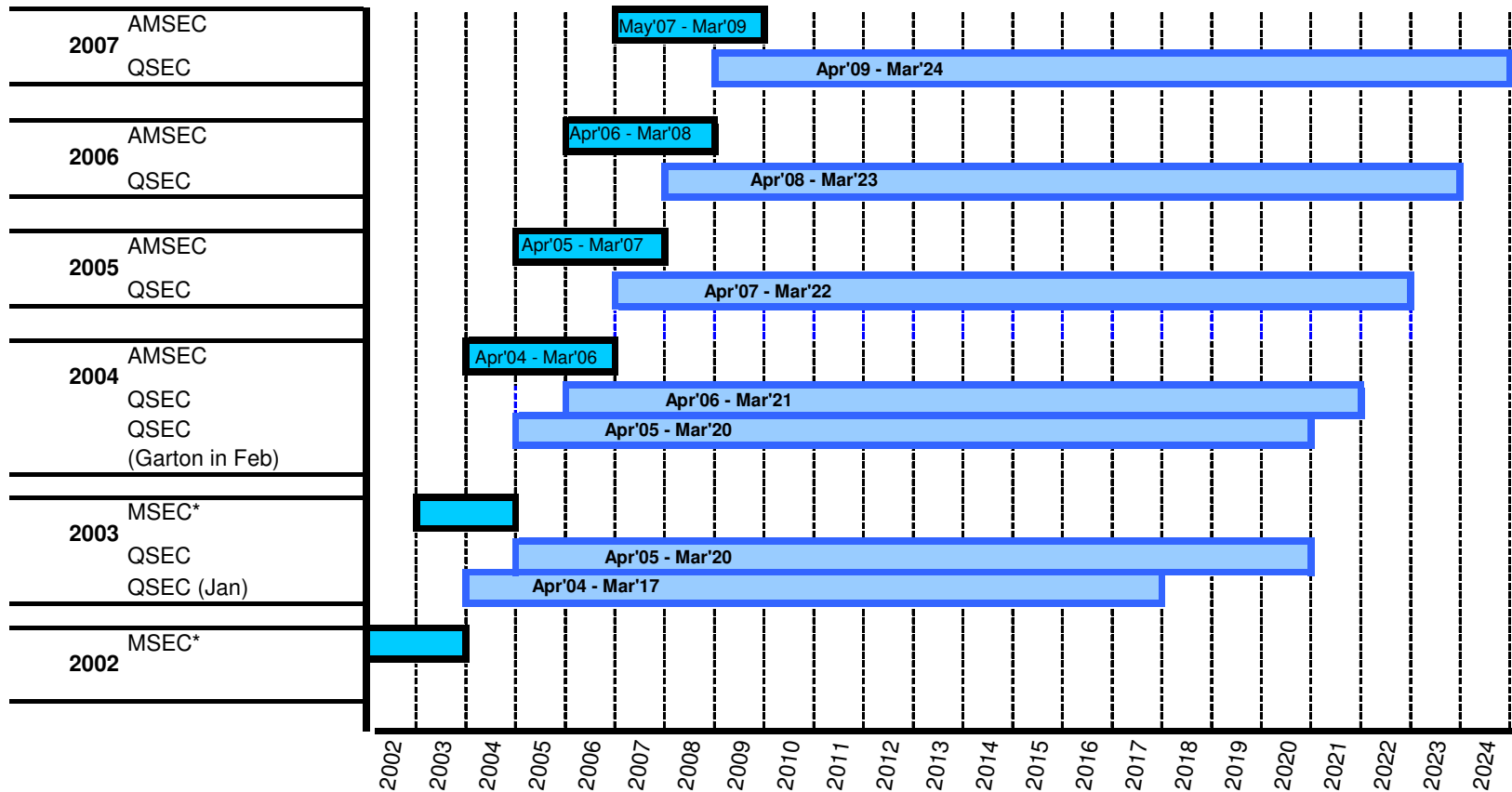
# Entry Capacity Auctions - Long Term Auction Data

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- ◆ Example – Calculating Offered quantities using Gemini for forthcoming AMSEC auction (transaction period May'07 – Mar'09)
  1. Build up Quantity sold for an ASEP (using relevant transaction periods from previous auctions)  
  
[Product](#) > [Publish Reports](#) > [MoS Results](#) > [Sold/Unsold](#)
  2.  $\text{Obligation to Sell quantity} - \text{Quantity Sold}^* = \text{Offer Quantity}$   
(Initial Baseline & Obligated Incremental)

\* Need to exclude any non-obligated sales

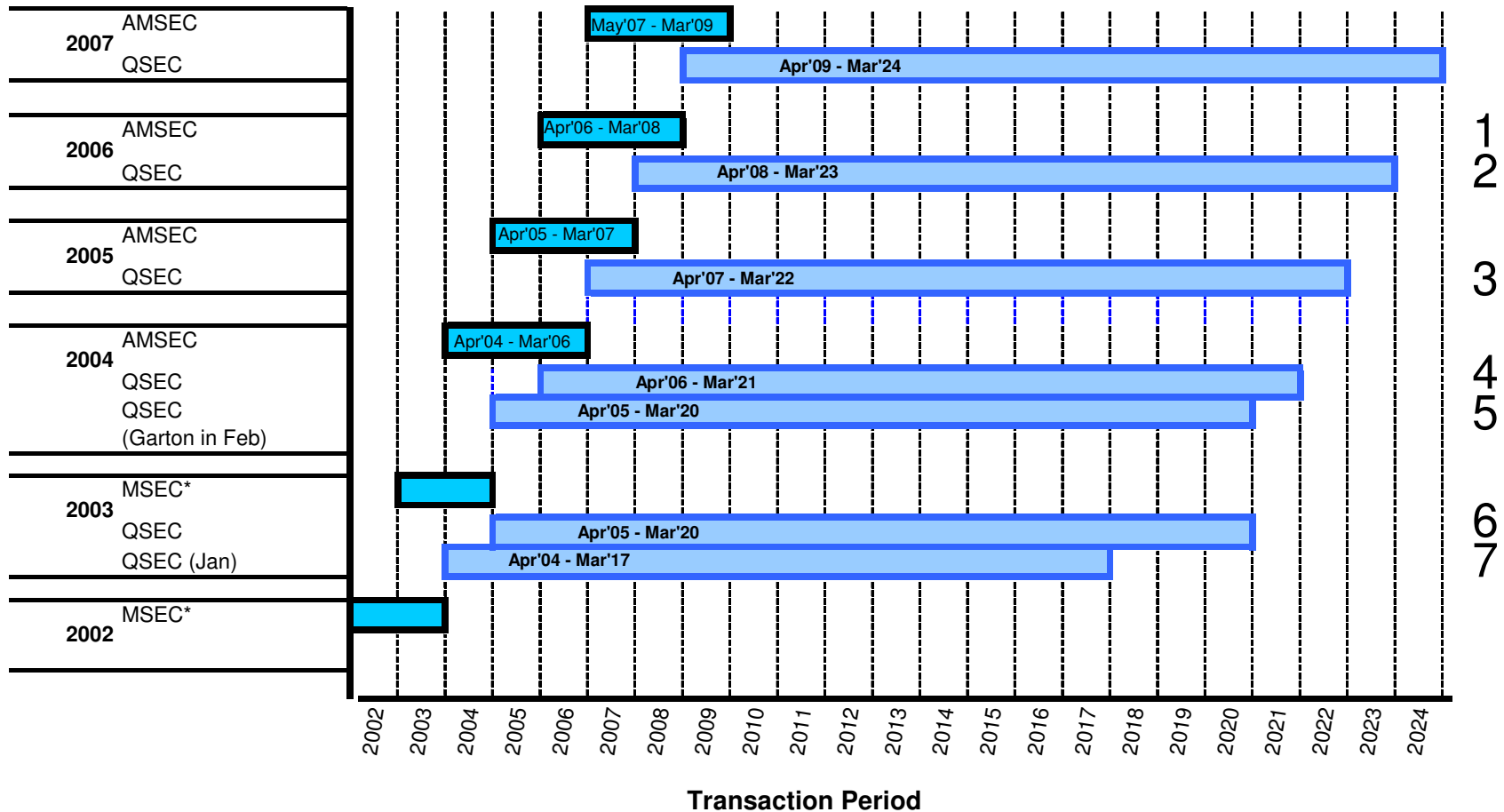
# Entry Capacity Auctions - Long Term Auction Data



Transaction Period

MSEC*	For these years two auctions a year were carried out with 6 month transaction periods April - September and October - March
	All other auction transaction periods begin in April and end in March except for 2007.
	QSEC auctions are carried out in Sep unless otherwise stated.

# Entry Capacity Auctions - Long Term Auction Data



7 applicable previous auctions for transaction period May'07-Mar'09

# Long Term Auction Data - Gemini Example #1

Screenshot of the Gemini web application interface. The page displays the 'Sold/Unsold' section, which includes a navigation bar with tabs: WAP, Bids/Shippers, Max/Min Price Info, Sold/Unsold, Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. The main content area shows a form with the following fields:

- Product\*: ENTRY CAPACITY FIRM PRIMARY
- Method of Sale\*: QSEC
- Transaction Period\*: --Select--
- Bid Window Details\*: --Select--

The Transaction Period dropdown menu is open, showing the following options:

- Select--
- 01-Oct-2004 to 30-Sep-2017
- 01-Apr-2005 to 31-Mar-2020
- 01-Apr-2006 to 31-Mar-2021
- 01-Apr-2007 to 31-Mar-2022
- 01-Apr-2008 to 31-Mar-2023

The QSEC option is highlighted. The page also shows a 'Messages: 2963' notification and a 'User Name: ceg01'.

Select QSEC (MoS)  
& relevant  
Transaction Period  
**N.B. Will need to do  
this for all Transaction  
Periods required**

# Long Term Auction Data - Gemini Example #2

The screenshot shows the Gemini web application interface. At the top, there is a navigation bar with the Gemini logo and a banner for "Smell Gas ? Call free on 0800 111 999". Below this is a menu with tabs for Contract, Product, Trade, Deal, Constraints, OCM, and Invoice. The user interface includes a header with "GEMINI Environment: B PROD" and a breadcrumb trail: "You are here : Home > Product > Publish Reports > MoS Results > Sold/Unsold > Query". The main content area has several tabs: WAP, Bids/Shippers, Max/Min Price Info, Sold/UnSold (selected), Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. The "Sold/UnSold" tab is active, showing a form with the following fields: Product\* (ENTRY CAPACITY FIRM PRIMARY), Method of Sale\* (QSEC), Transaction Period\* (01-Apr-2008 to 31-Mar-2023), Bid Window Details\* (18-Sep-2006 08:00:00 to 29-Sep-2006 17:00:00), Location\* (DA, EA, FL), and Sub Transaction Period\* (01-Apr-2008 to 30-Jun-2008, 01-Jul-2008 to 30-Sep-2008, 01-Oct-2008 to 31-Dec-2008). There are "Query" and "Clear" buttons at the bottom right of the form. The system clock at the bottom left shows "26-Feb-2007 08:59:20 GMT" and the bottom right shows "Local intranet".

Select Location and the Sub Transaction Periods covering the period for calculation.

# Long Term Auction Data - Gemini Example #3

The screenshot shows the Gemini auction data interface. At the top, there is a navigation bar with tabs for Contract, Product, Trade, Deal, Constraints, OCM, and Invoice. Below this, there are user-related fields: Messages: 2963, User Name: ceg01, BA: TRA, and User Role: IGMS006. The main content area is titled "GEMINI" and "Environment: B PROD". It features a breadcrumb trail: "You are here : Home > Product > Publish Reports > MoS Results > Sold/Unsold > Query". The interface includes several tabs: WAP, Bids/Shippers, Max/Min Price Info, Sold/Unsold (selected), Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. Below the tabs, there are search filters: Product\* (ENTRY CAPACITY FIRM PRIMARY), Method of Sale\* (QSEC), Transaction Period\* (01-Apr-2008 to 31-Mar-2023), Bid Window Details\* (18-Sep-2006 08:00:00 to 29-Sep-2006 17:00:00), Location\* (AV, BA, BP), and Sub Transaction Period\* (01-Apr-2008 to 30-Jun-2008, 01-Jul-2008 to 30-Sep-2008, 01-Oct-2008 to 31-Dec-2008). A "Query" button and a "Clear" button are present. The main data table is as follows:

Location	Sub Transaction Period	Quantity Sold (kWh)	Revenue (£)	Amount offered for sale (kWh)	Quantity Unsold (kWh)
EA	01-Apr-2008 to 30-Jun-2008	148,972,238	162,677.68	653,612,136	504,639,898
EA	01-Jul-2008 to 30-Sep-2008	164,098,428	181,164.66	654,768,637	490,670,209
EA	01-Oct-2008 to 31-Dec-2008	110,235,858	436,093.05	110,235,861	3
EA	01-Jan-2009 to 31-Mar-2009	6,494,358	25,133.17	6,494,358	0

At the bottom of the table, there is a "By Location" radio button and a "Generate Report" button. The status bar at the bottom left shows "26-Feb-2007 09:13:27 GMT" and the bottom right shows "Local intranet".

Quantity Sold

Generate Report (Either .csv or .pdf)

# Long Term Auction Data - Gemini Example #4

The screenshot shows the Gemini web application interface. At the top, there is a navigation bar with the Gemini logo and a banner for "Smell Gas ? Call free on 0800 111 999". Below this is a menu bar with options like Contract, Product, Trade, Deal, Constraints, OCM, and Invoice. The main content area has a header with "GEMINI Environment: B PROD" and a breadcrumb trail: "You are here : Home > Product > Publish Reports > MoS Results > Sold/Unsold > Query". The main content area is divided into several tabs: WAP, Bids/Shippers, Max/Min Price Info, Sold/Unsold (selected), Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. Below the tabs, there are several dropdown menus for filtering data: Product\* (ENTRY CAPACITY FIRM PRIMARY), Method of Sale\* (MSEC), Transaction Period\* (01-Apr-2006 to 31-Mar-2008), Bid Window Details\* (--Select--), and another Transaction Period\* dropdown menu. The Transaction Period\* dropdown menu is open, showing a list of transaction periods from 01-Oct-1999 to 31-Mar-2000 down to 01-Apr-2006 to 31-Mar-2008. The bottom of the page shows the date and time: "26-Feb-2007 09:16:48 GMT" and "Local intranet".

The sold quantities from the MSEC auctions also have to be considered.

Select relevant transaction Periods.

# Long Term Auction Data - Gemini Example #6

The screenshot shows the Gemini web application interface. At the top, there is a navigation bar with the Gemini logo and a banner for "Smell Gas ? Call free on 0800 111 999". Below this is a menu with options: Contract, Product, Trade, Deal, Constraints, OCM, Invoice. The user interface includes a header with "Messages: 2963", "User Name: ceg01", "BA: TRA", and "User Role: IGMS006". The main content area has a breadcrumb trail: "You are here : Home > Product > Publish Reports > MoS Results > Sold/Unsold > Query". The "Query" page has several tabs: WAP, Bids/Shippers, Max/Min Price Info, Sold/UnSold (selected), Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. The "Query" form contains the following fields:

- Product\*: ENTRY CAPACITY FIRM PRIMARY
- Method of Sale\*: MSEC
- Transaction Period\*: 01-Apr-2006 to 31-Mar-2008
- Bid Window Details\*: 14-Feb-2006 08:00:00 to 27-Feb-2006 17:00:00
- Location\*: EA, GM, GR
- Sub Transaction Period\*: 01-Jan-2008 to 31-Jan-2008, 01-Feb-2008 to 29-Feb-2008, 01-Mar-2008 to 31-Mar-2008
- Tranche Details\*: --Select-- (dropdown menu with options 1, 2, 3, 4)

Buttons for "Query" and "Clear" are located at the bottom right of the form. The status bar at the bottom shows "26-Feb-2007 09:18:30 GMT" and "Local intranet".

Select relevant sub transaction periods

Select relevant Tranche  
N.B. Need to Query each Tranche in turn

# Long Term Auction Data - Gemini Example #7

The screenshot shows the Gemini web application interface. At the top, there's a navigation bar with tabs for WAP, Bids/Shippers, Max/Min Price Info, Sold/UnSold, Demand driven Price, Original Clearing Price, and Capacity & Revenue By QuantityHolder. Below this, there are search filters for Product (ENTRY CAPACITY FIRM PRIMARY), Method of Sale (MSEC), Transaction Period (01-Apr-2006 to 31-Mar-2008), Bid Window Details, Location (BA, BP), and Sub Transaction Period. A 'Tranche Details' dropdown is set to 1. Below the filters is a table with the following data:

Location	Sub Transaction Period	Quantity Sold (kWh)	Revenue (£)	Amount offered for sale (kWh)	Quantity Unsold (kWh)
EA	01-May-2007 to 31-May-2007	31,647,527	10,791.81	230,957,757	199,310,230
EA	01-Jun-2007 to 30-Jun-2007	31,647,527	10,443.68	230,957,757	199,310,230
EA	01-Jul-2007 to 31-Jul-2007	31,647,527	10,791.81	231,558,162	199,910,635
EA	01-Aug-2007 to 31-Aug-2007	31,647,527	10,791.81	231,558,162	199,910,635
EA	01-Sep-2007 to 30-Sep-2007	31,647,527	10,443.68	178,458,162	146,810,635
EA	01-Oct-2007 to 31-Oct-2007	31,631,236	18,194.88	31,631,237	1
EA	01-Nov-2007 to 30-Nov-2007	31,631,236	17,607.95	31,631,237	1
EA	01-Dec-2007 to 31-Dec-2007	31,631,236	18,566.88	31,631,237	1
EA	01-Jan-2008 to 31-Jan-2008	20,770,646	23,823.93	20,770,647	1
EA	01-Feb-2008 to 29-Feb-2008	20,770,646	22,286.90	20,770,647	1
EA	01-Mar-2008 to 31-Mar-2008	20,770,647	22,798.58	20,770,647	0

At the bottom of the table, there is a 'By Location' radio button and a 'Generate Report' button.

Results by Tranche.

Generate Report (Either .csv or .pdf)

# Long Term Auction Data – NG Website Data

## Example #1

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- ◆ Website is structured with a link for each auction

[www.nationalgrid.com/uk/gas](http://www.nationalgrid.com/uk/gas)

- ◆ Left-side Link: operational data / capacity auctions
  - ◆ MSEC auctions – Data from monthly auctions prior to 2003
  - ◆ AMSEC auctions – This links to all data for the annual monthly auctions from 2004 onwards.
  - ◆ The files are listed in chronological order one file per auction tranche

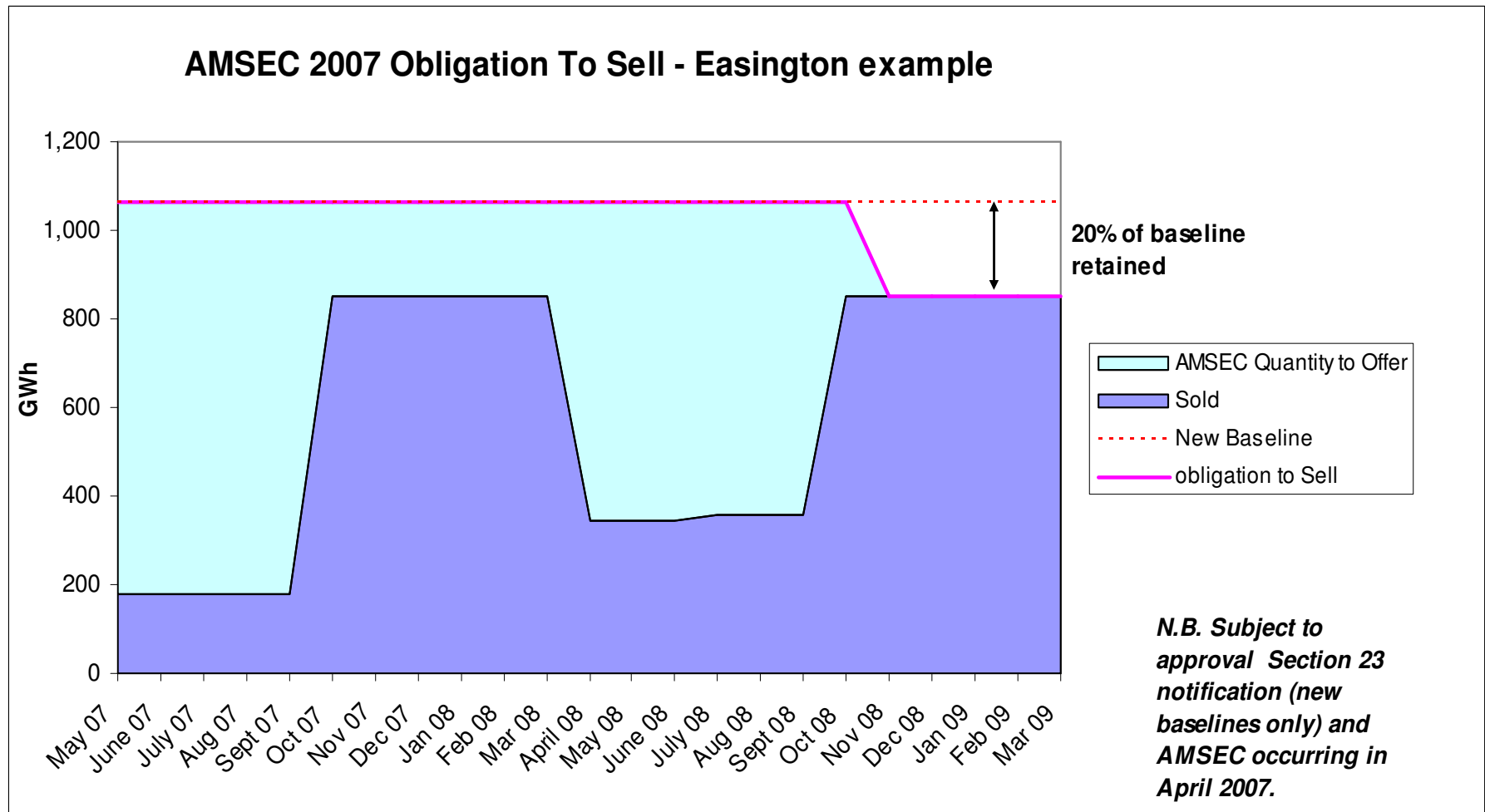
# Long Term Auction Data – NG Website Data

## Example #2

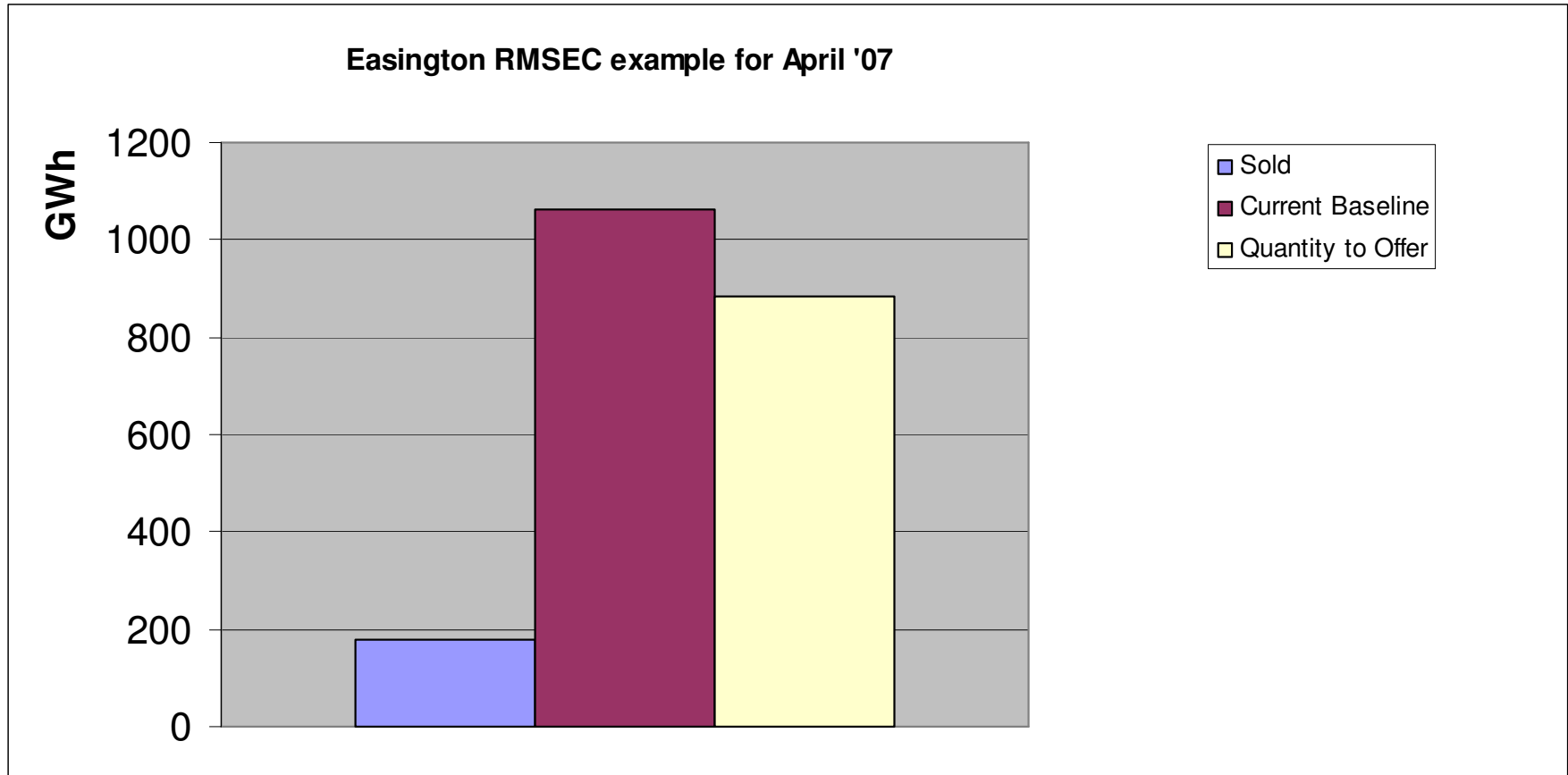
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- ◆ QSEC auctions –
- ◆ The data is listed chronologically by auction period. Each auction has several files pertaining to it:
  - ◆ A file for each bid window from each auction. These files are listed by tranche number.
  - ◆ A summary report - shows the actual allocated quantities
  - ◆ All files can be downloaded or viewed as formatted reports.
  - ◆ The user also has the option to filter the list for a specific period.

# AMSEC 2007 – Entry Capacity to Offer at Easington



# RMSEC for April 2007 – Entry Capacity to Offer at Easington



# General Queries and Support

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- ◆ For general queries regarding Long Term auctions you can contact the following at National Grid:
  - ◆ Chris Gumbley (01926 654 071) - Team leader
  - ◆ Kay Brookes (01926 655 342) - Incentive Analyst
  - ◆ Natasha Ranatunga (01926 654 132) - Incentive Analyst
- ◆ For Gemini training contact Xoserve:
  - ◆ Customer Lifecycle Team (0121 713 5770)