

Review of Electricity Market Information

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- Outline of Changes to Operating Code 1 & 2
 - Changes to data submitted to NGC
 - Effect of changes for User / Market information
- Outline of new information to be published by NGC on D+1 and D-1

Operating Code 2 Purpose

OPERATING CODE NO.2

OPERATIONAL PLANNING AND DATA PROVISION

OC2.1 INTRODUCTION

OC2.1.1 **Operating Code No. 2** ("OC2") is concerned with:

- (a) the co-ordination of the release of **Gensets**, the **GB Transmission System** and **Network Operators' Systems** for construction, repair and maintenance;
- (b) provision by **NGC** of the **Surpluses** both for the **GB Transmission System** and **System Zones**;
- (c) the provision by **Generators** of **Generation Planning Parameters** for **Gensets**, including **CCGT Module Planning Matrices**, to **NGC** for planning purposes only; and
- (d) the agreement for release of **Existing Gas Cooled Reactor Plant** for outages in certain circumstances.

Operating Code 2

The three key elements of OC2 are:

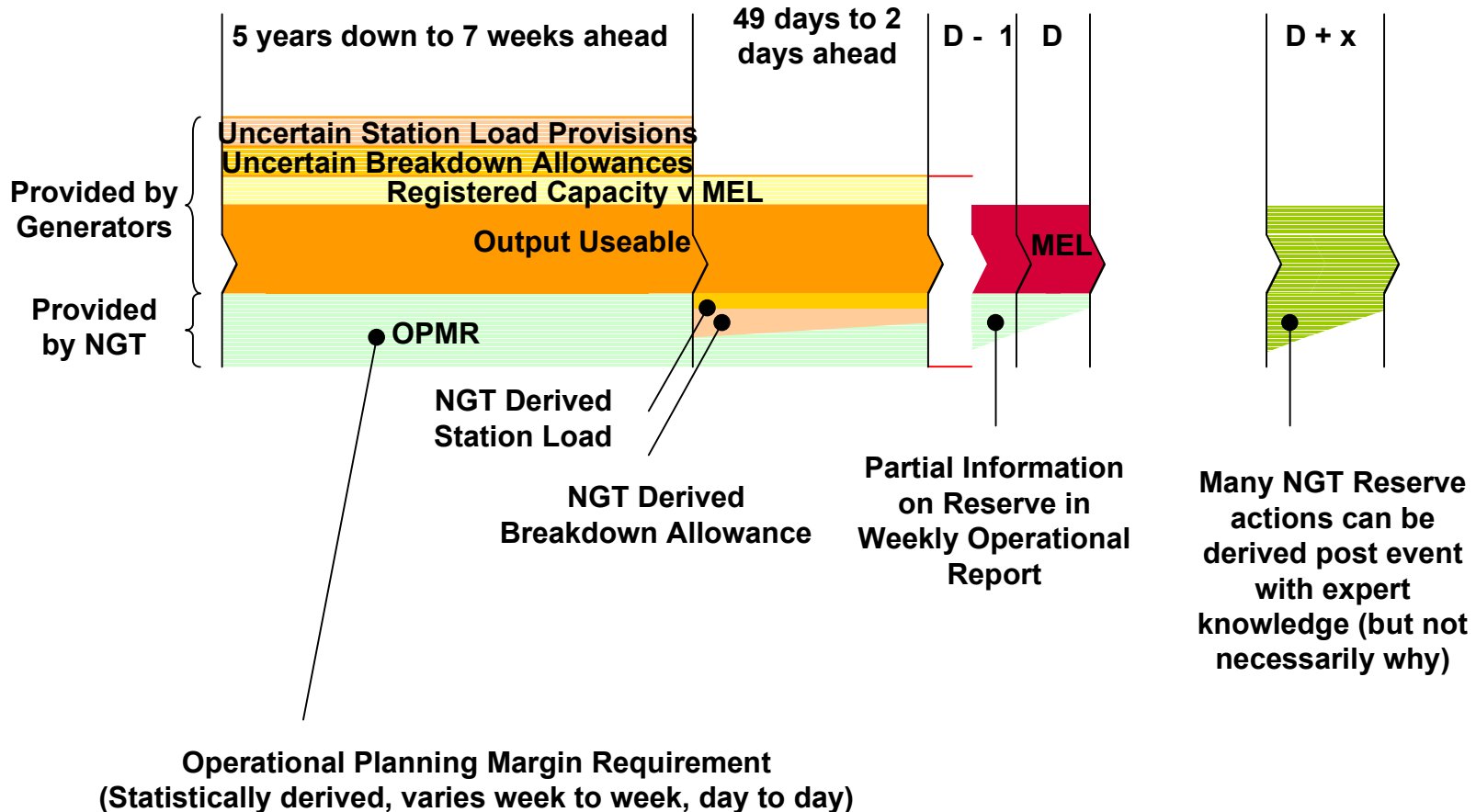
1. The exchange of information on generator unit and system outages for outage co-ordination and system security studies;
2. Provision of Output Useable by Generators to provide NGC and Users with information on national and zonal generation and demand balance;
3. The exchange of specific technical parameters, in addition to that required by the Planning Code or elsewhere in the Grid Code, to allow system security studies to be carried out.

Operating Code 2

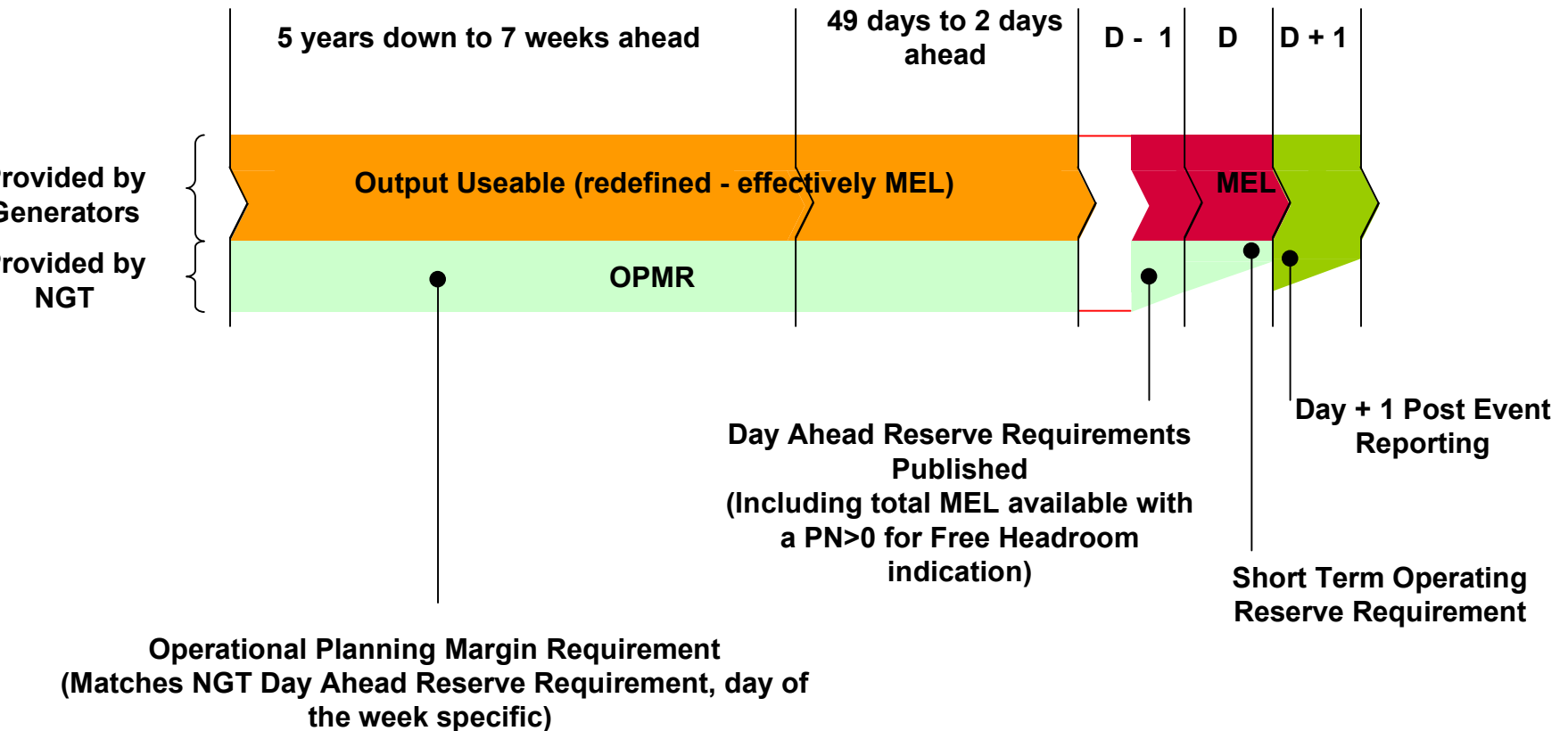
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Output Useable - Up to the 11th October



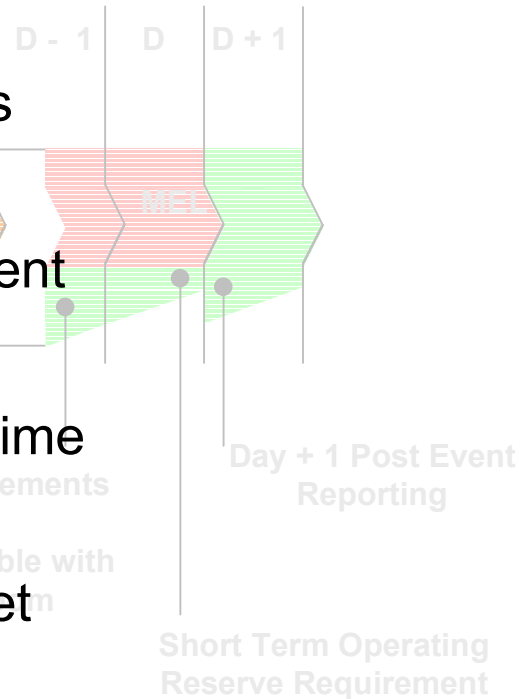
Output Useable - From the 11th October



Output Useable - From the 11th October

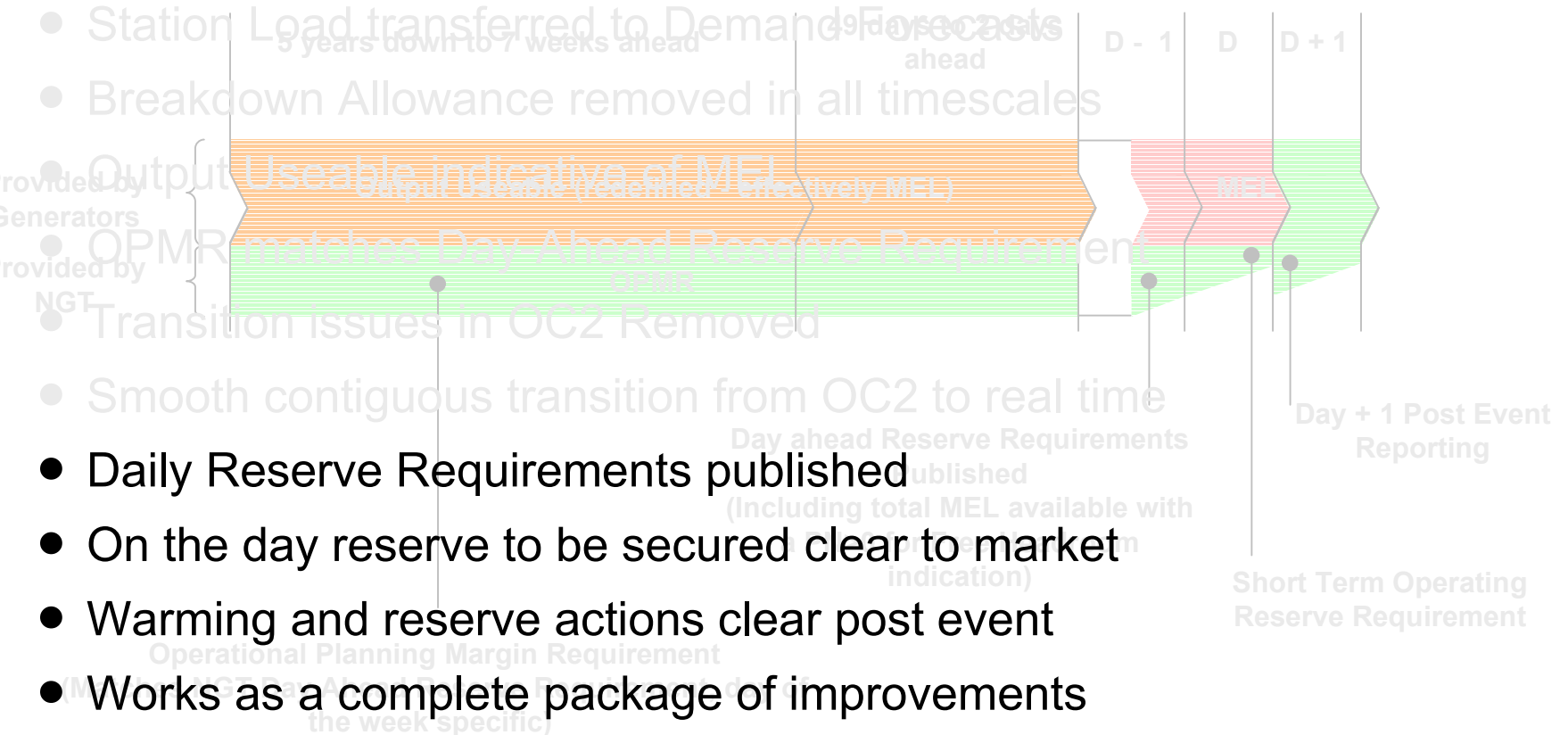
Key Changes & Benefits

- Station Load transferred to Demand Forecasts
- Breakdown Allowance removed in all timescales
- Output Useable indicative of MEL
- OPMR matches Day-Ahead Reserve Requirement
- Transition issues in OC2 Removed
- Smooth contiguous transition from OC2 to real time
- Daily Reserve Requirements published
- On the day reserve to be secured clear to market
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Changes to data submitted to NGC

From the 11th October

- Remove any Station Load from submissions
- Remove any Breakdown Allowance from submissions
- Allows for seasonal variation in forecast output e.g. CCGTs in summer

Effect of changes for User / Market information From the 11th October

- Station Load included in NGC Demand Forecasts
 - Except the “8:45” Run
 - Keep comparison with INDO on BM Reports
- No breakdown included in any BMRS / Elexon Reports
- Availability is now Planned Availability
 - no longer Planned Availability including ‘planned unavailability’
- French Interconnector still treated as at ‘Float’

BM Reports - 2 to 14 Day Ahead

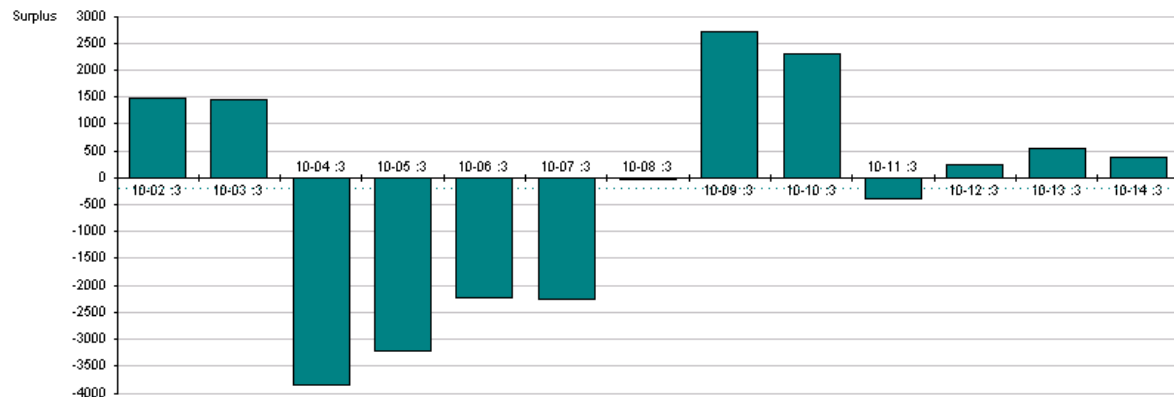
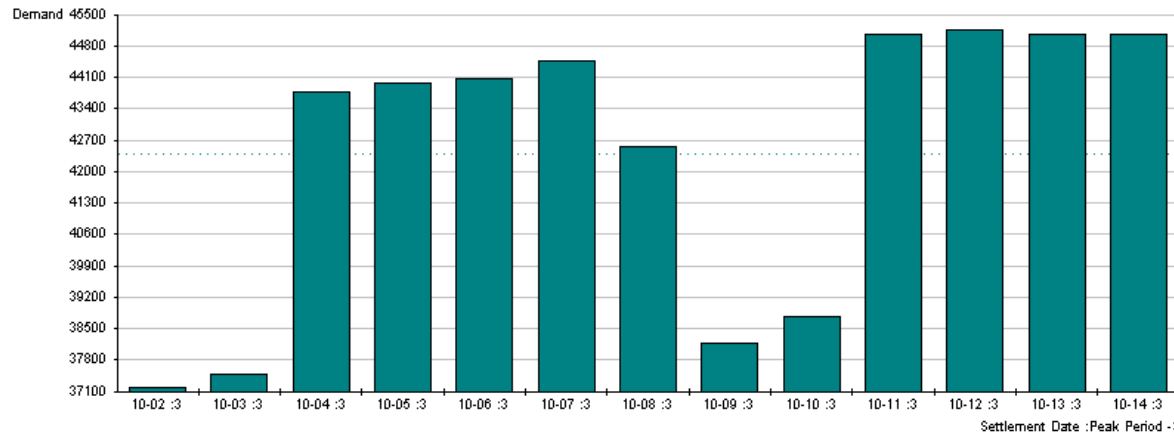
2-14 Day Ahead Data - Microsoft Internet Explorer provided by National Grid PLC

neta

2-14 Day Ahead Data

Note that from 18/7/03 the numbers included in the calculation of the Surplus assume a float (i.e. zero MW) transfer across the French Interconnector. The actual transfer could be anything between 2000MW import to England & Wales and 2000MW export from England & Wales dependent upon the price differential between England & Wales and France. Prior to this date a 2000MW import to England & Wales had been assumed.

 [Current data in CSV format](#)



BM Reports - 2 to 52 Week Ahead

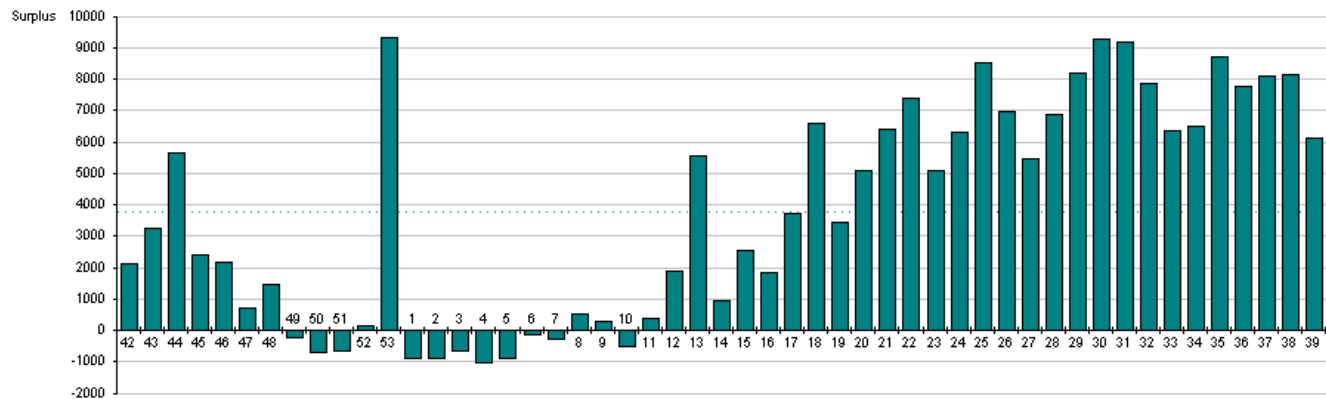
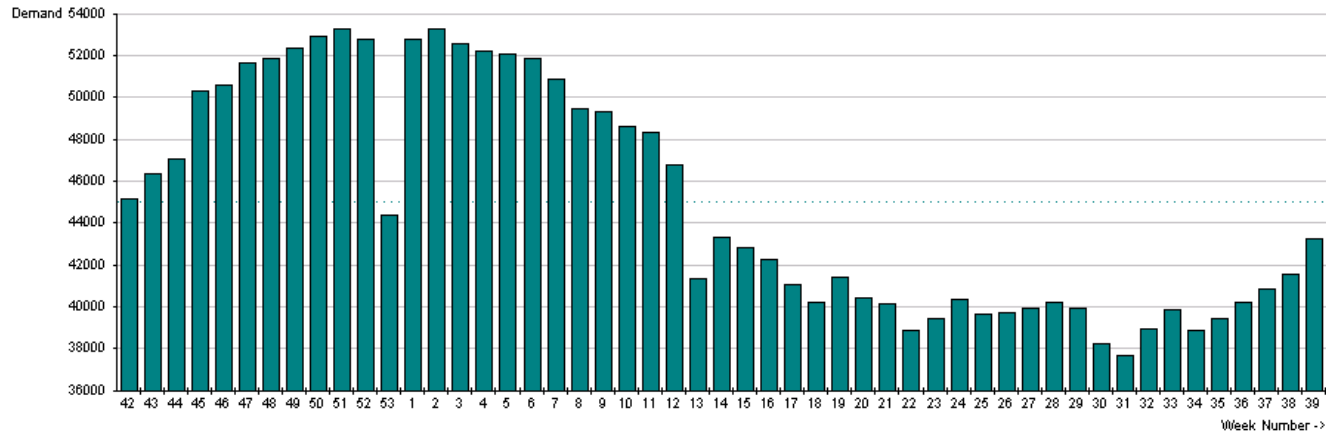
2-52 Week Ahead Data - Microsoft Internet Explorer provided by National Grid PLC

neta

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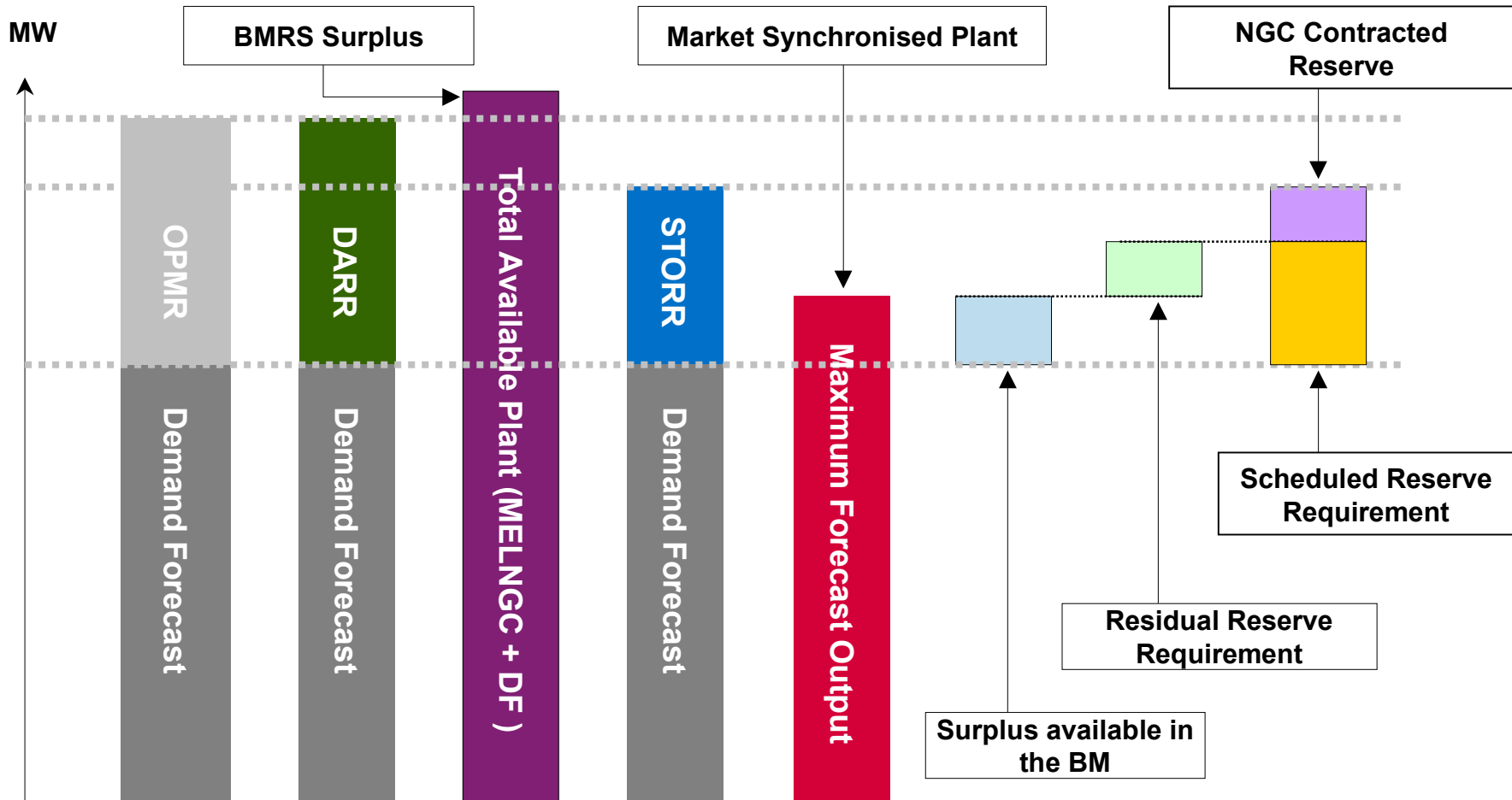
 [Current data in CSV format](#)



Day - 1 and Day + 1 Margin Information (Peak of the Day)

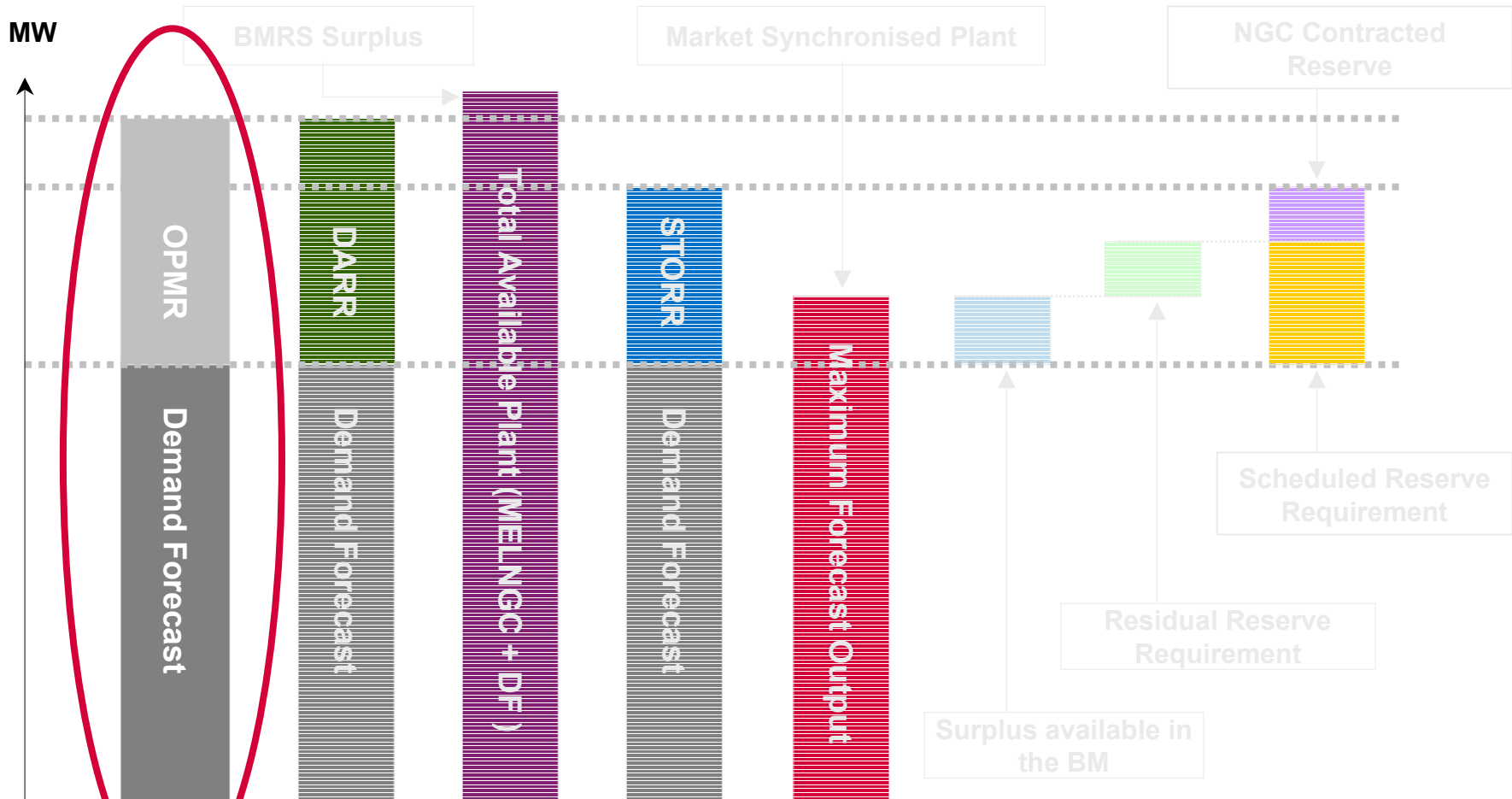
- Uses Control Room Operating Plan figures
- Published on Business Days at around 15:00
- “Reasonable endeavours” basis
- Two sets of data
- Day Ahead (D - 1)
 - Scheduled Reserve Requirement
 - Residual Reserve Requirement
- Day After (D + 1)
 - Scheduled Reserve Requirement (Final Planning Stage)
 - Level of Warming Actions

Flavours of Reserve



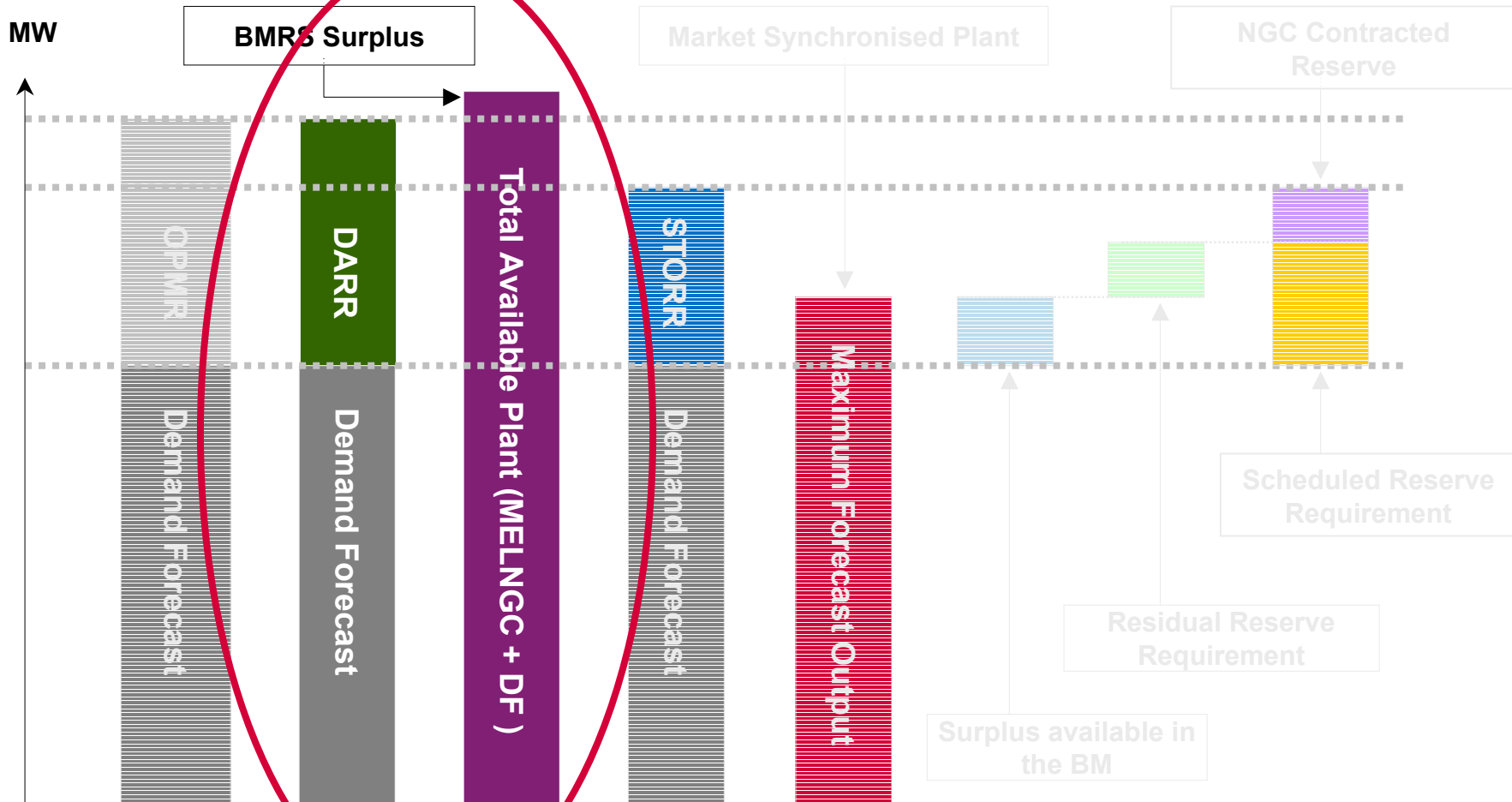
Flavours of Reserve

Day - 2



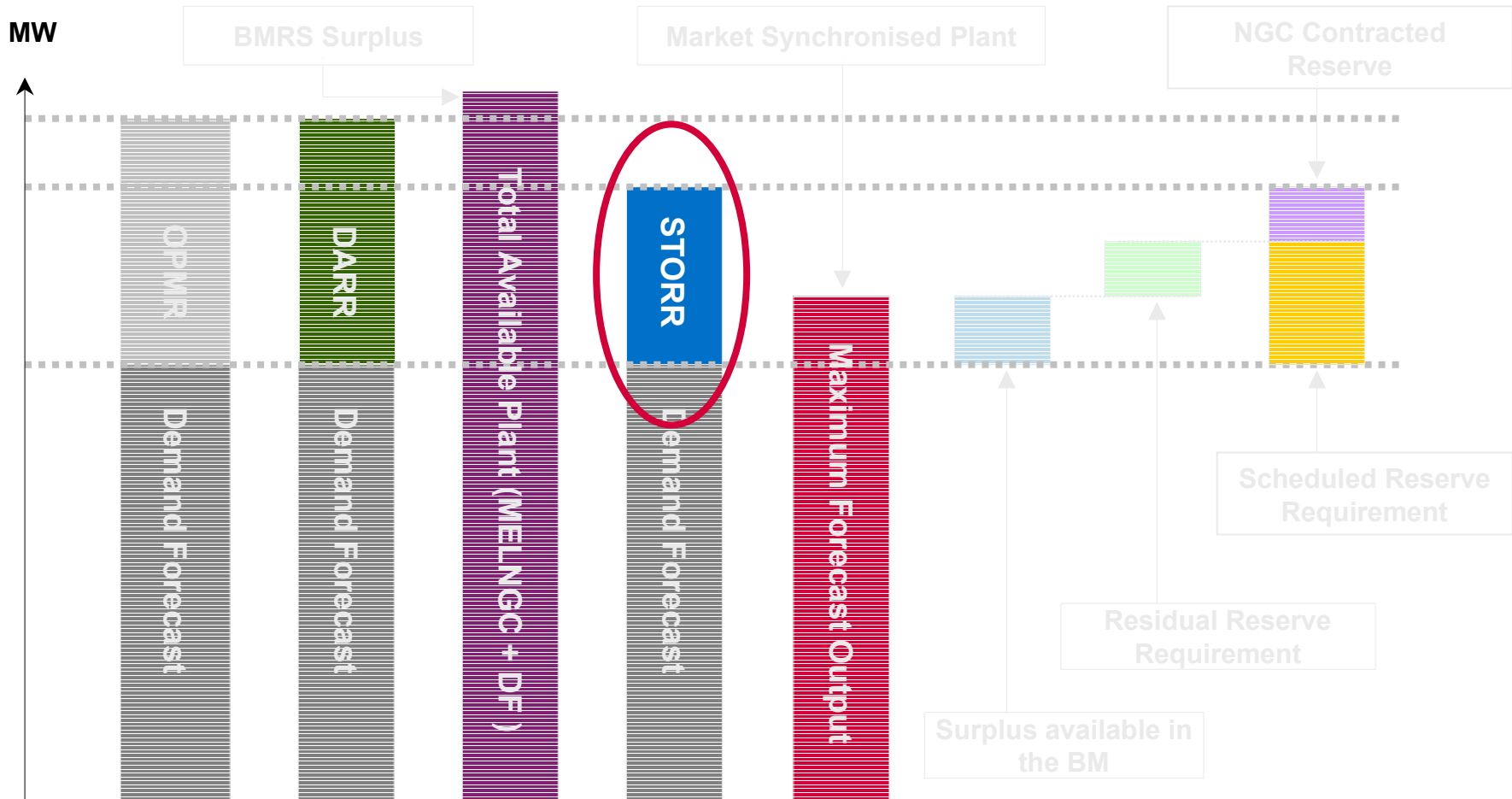
Flavours of Reserve

Day - 1, NGCMEL

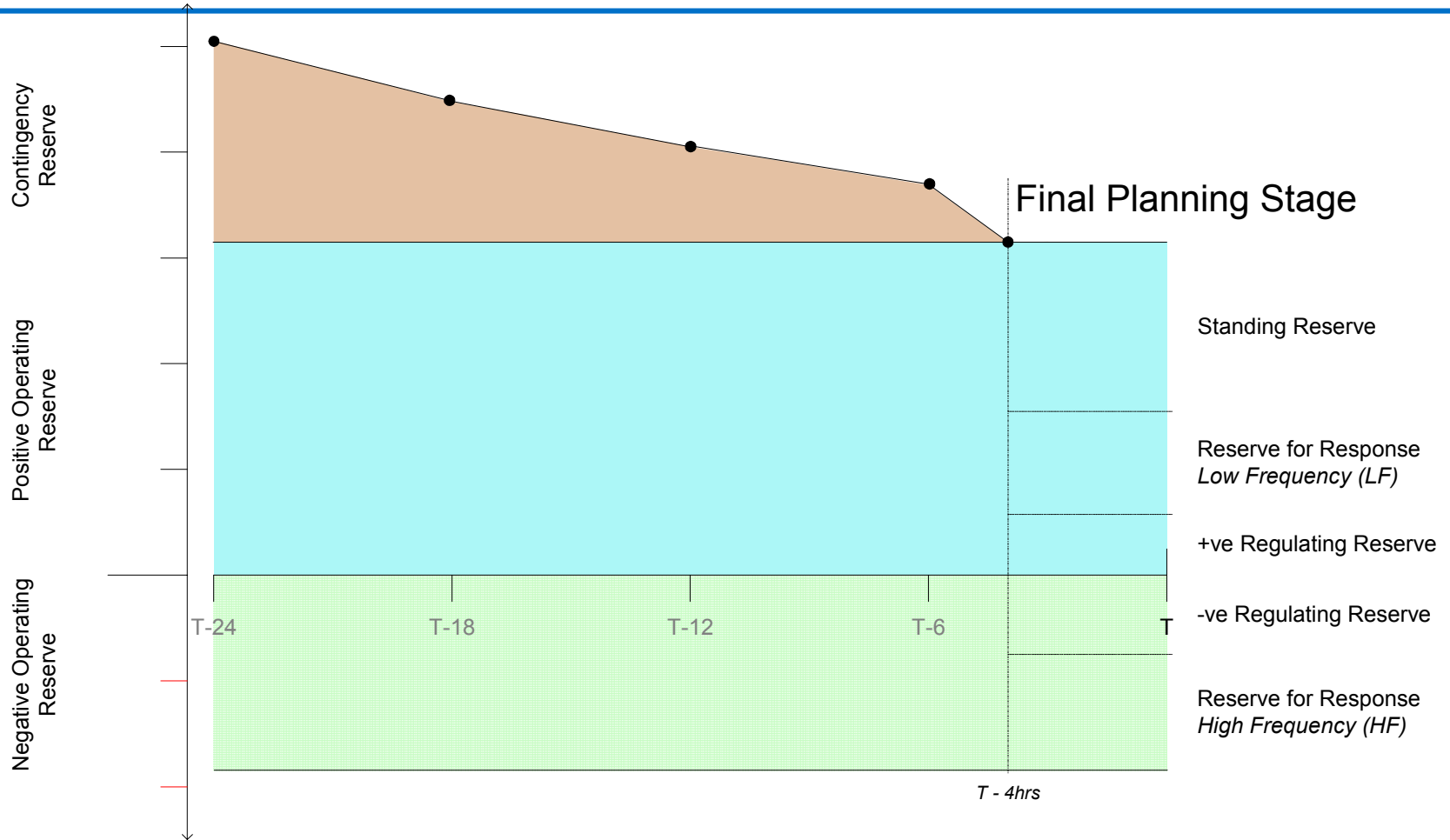


Flavours of Reserve

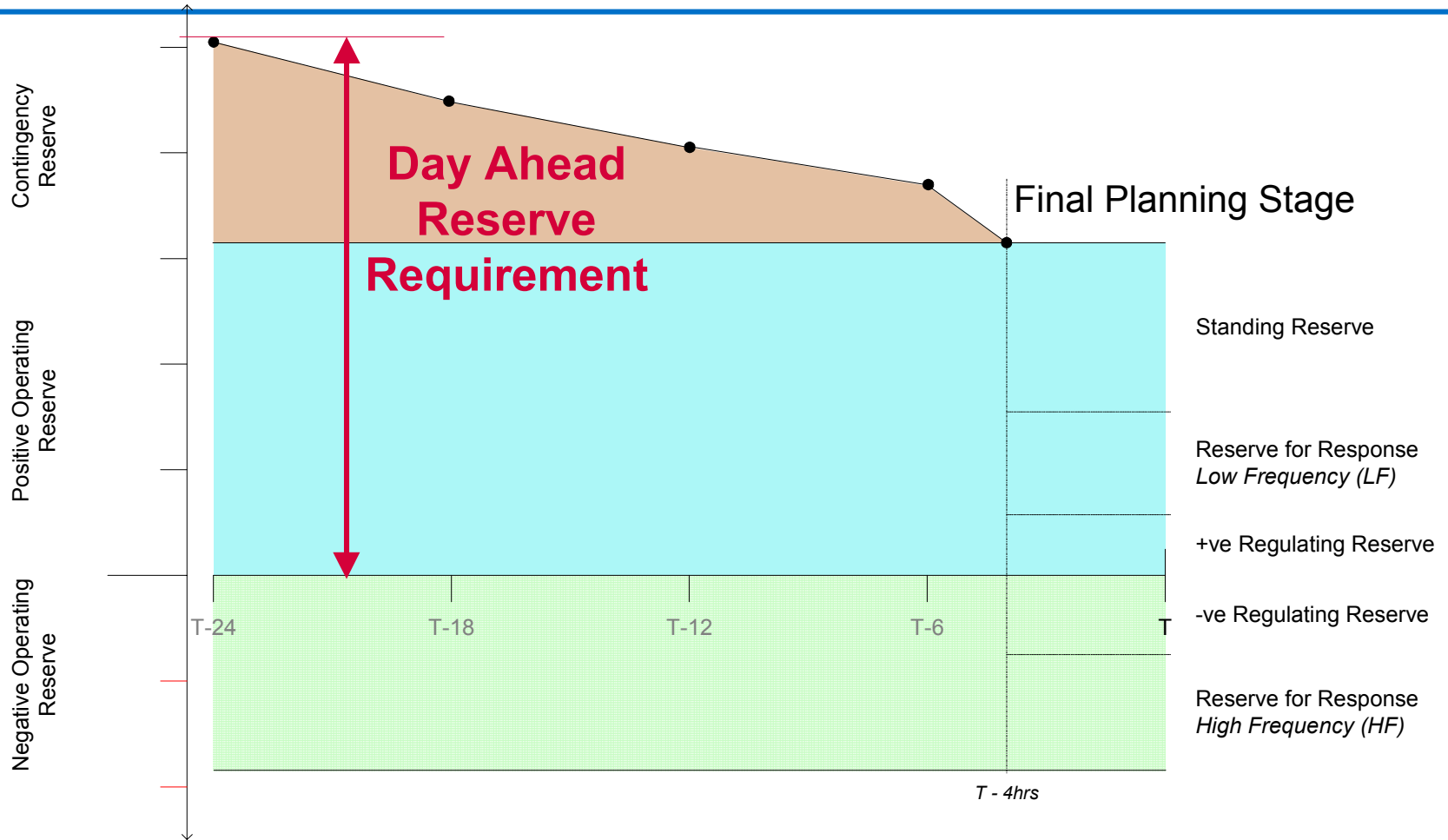
Short Term Operating Reserve Requirement



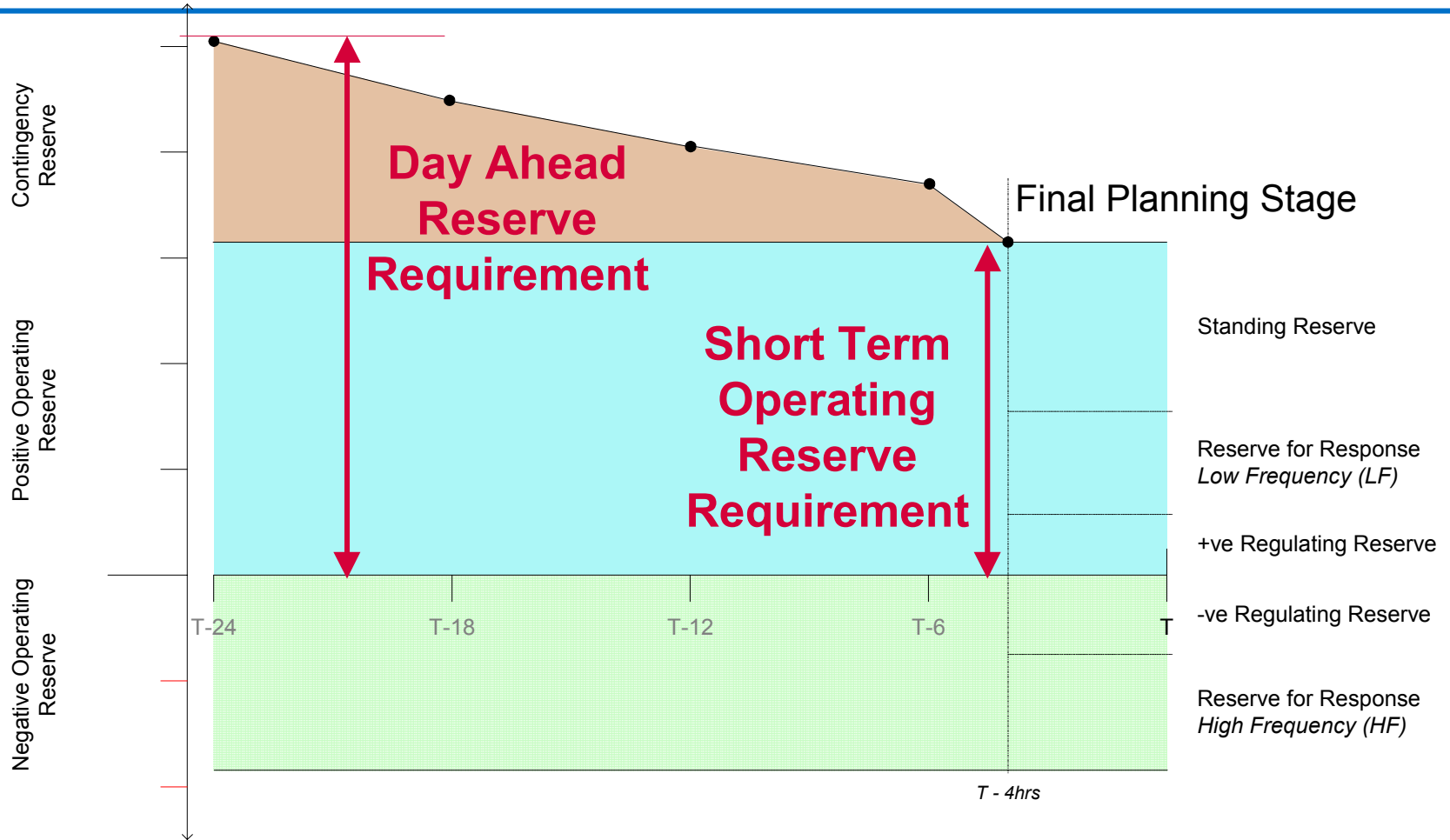
Day Ahead Reserve Requirement & Short Term Operating Reserve Requirement



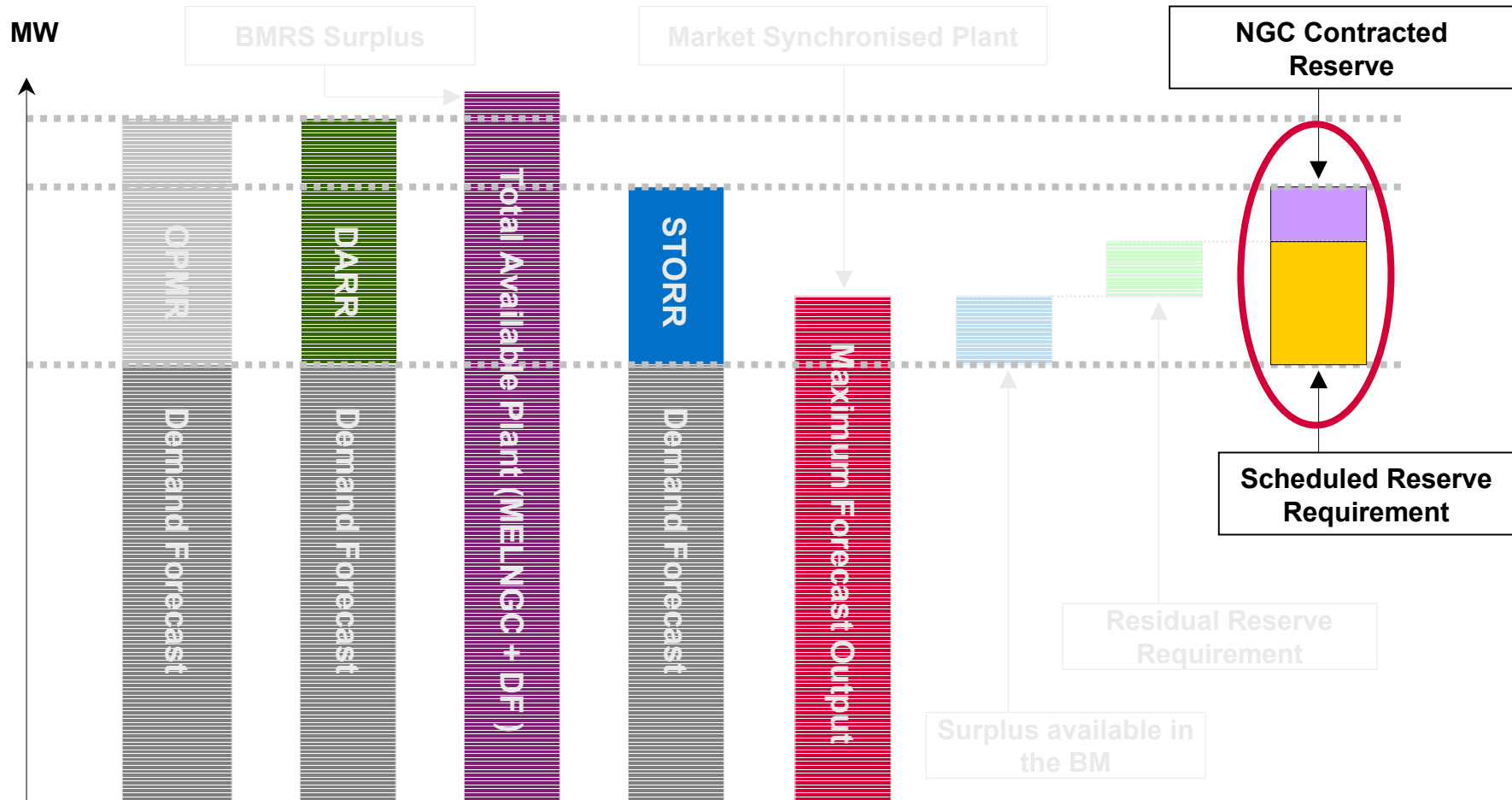
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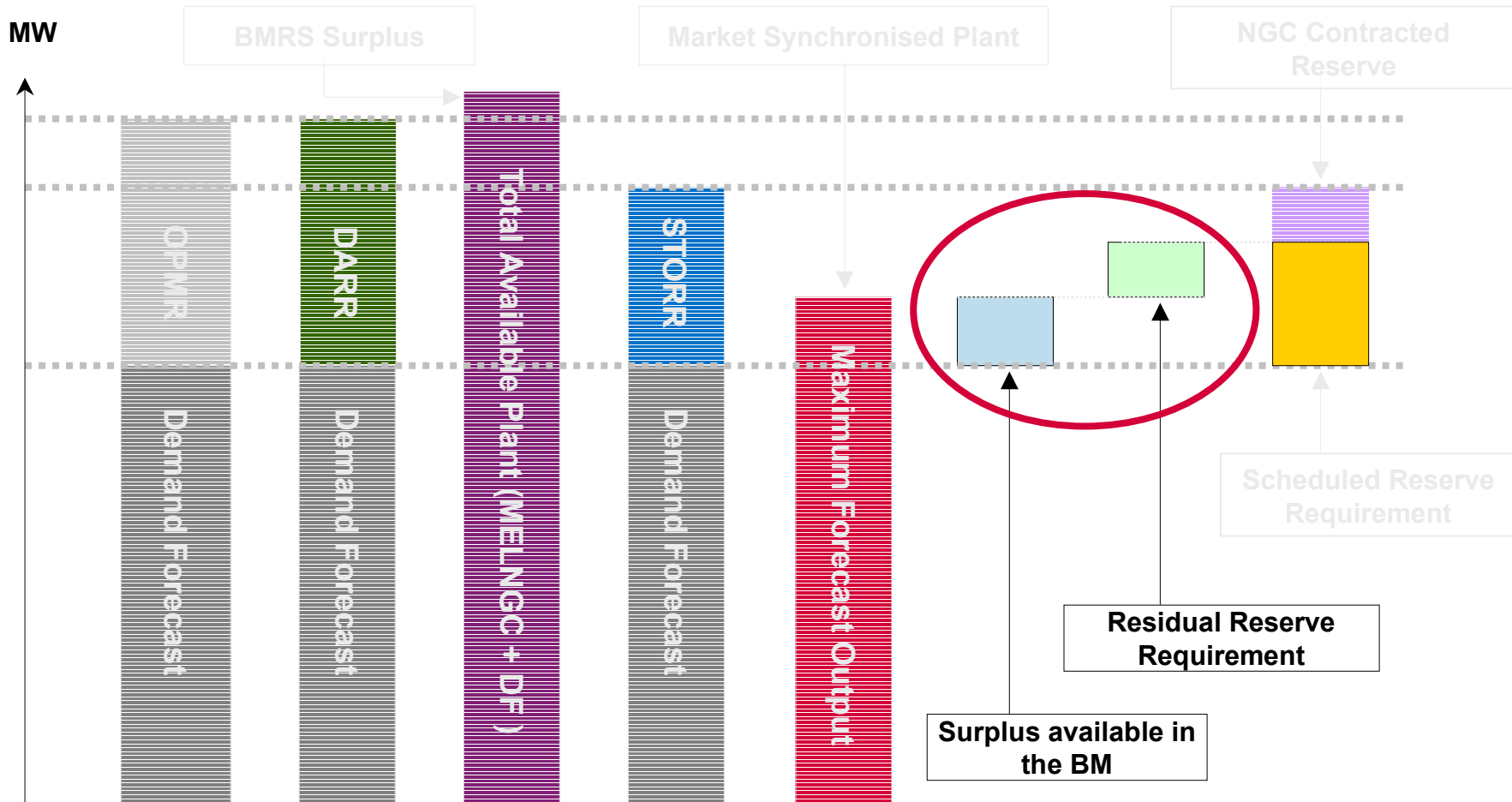


Flavours of Reserve Delivering STORR



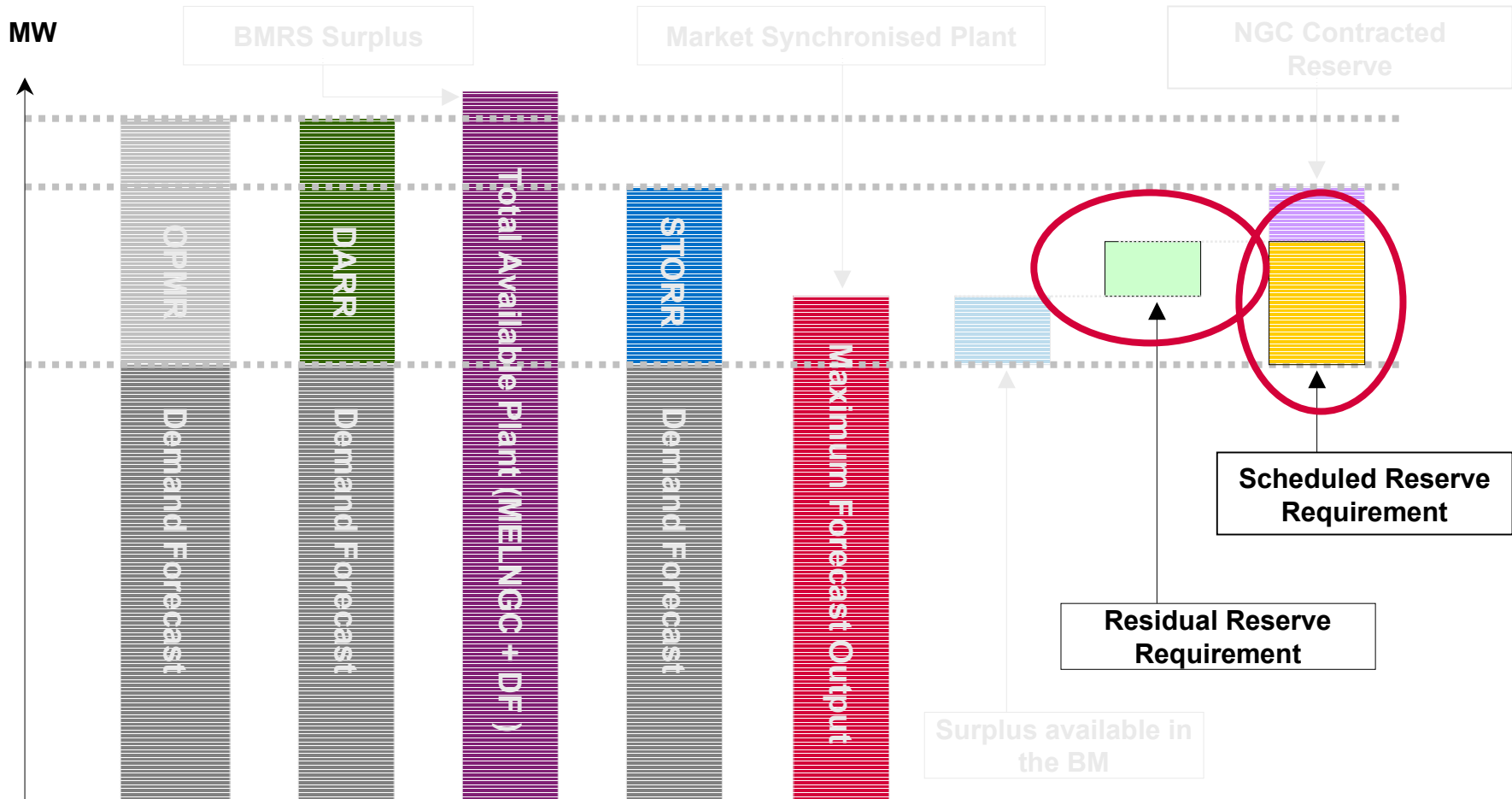
Flavours of Reserve

Scheduled Reserve Requirement



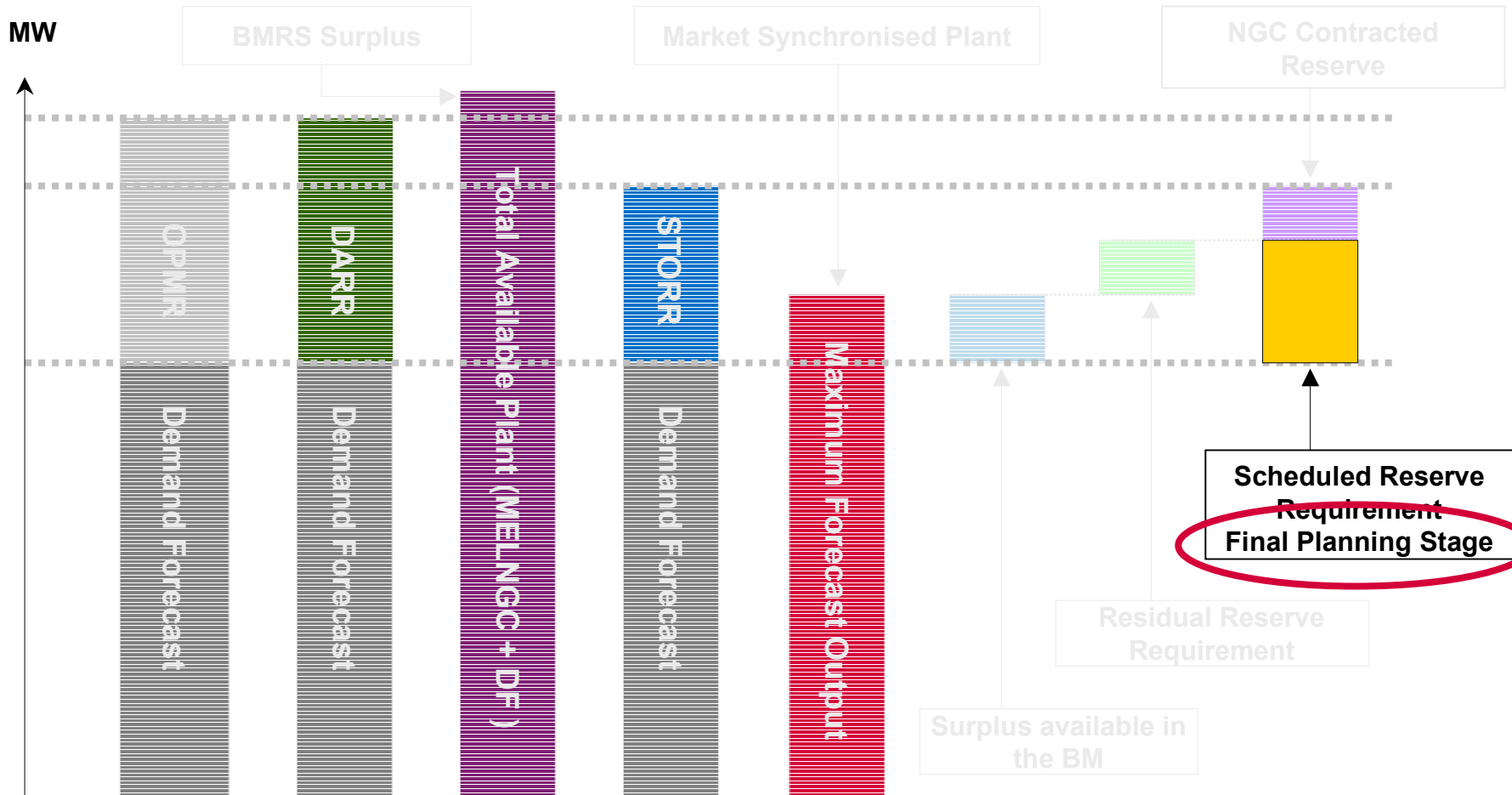
Flavours of Reserve

New Day Ahead Margin Publication



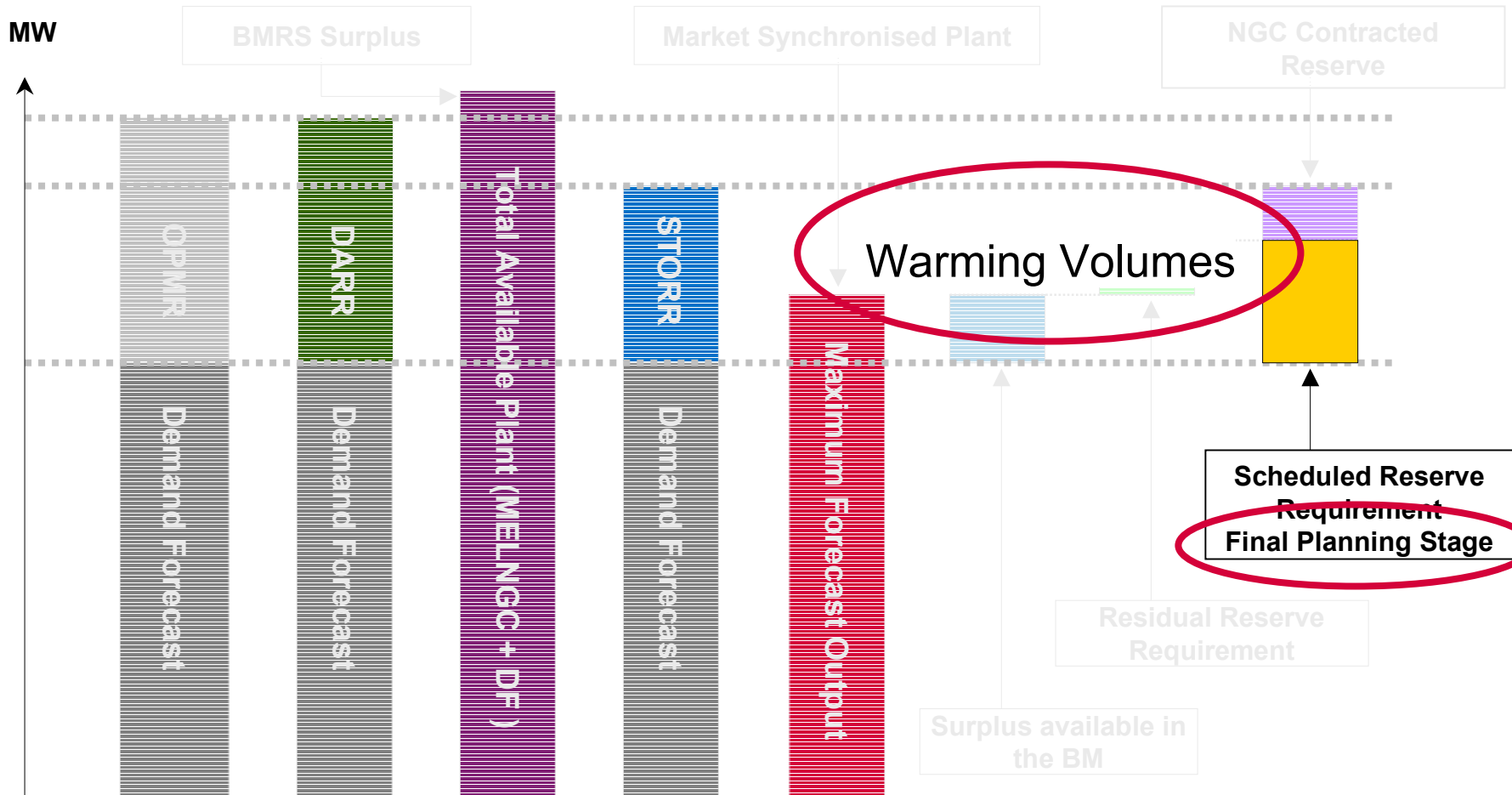
Flavours of Reserve

Day After Margin Publication

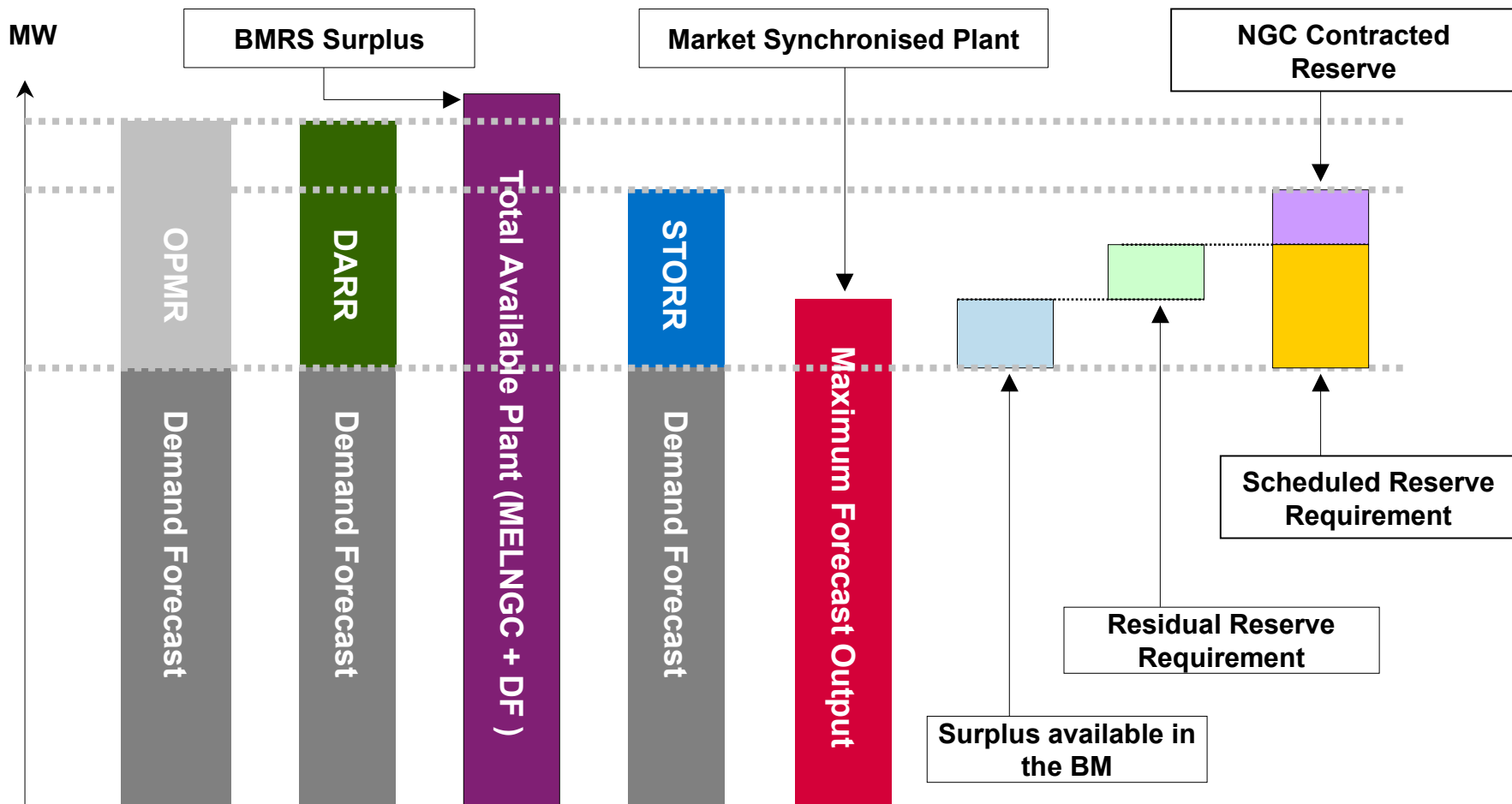


Flavours of Reserve

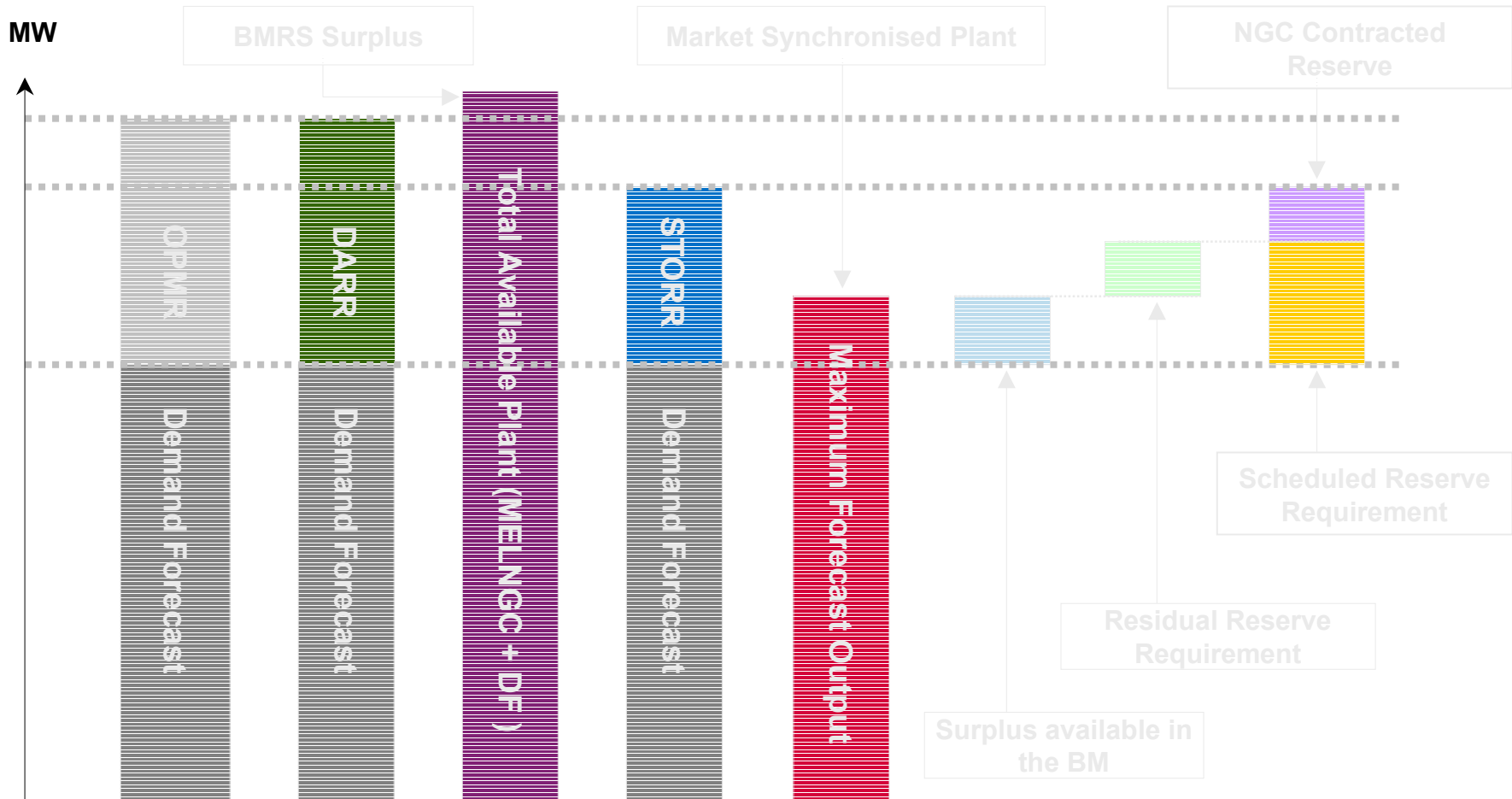
Day After Margin Publication



Flavours of Reserve



Flavours of Reserve



Daily Reserve Information

National Grid Transco

Daily Reserve Information

Date	Cardinal Point	Scheduled Reserve Requirement <i>(Final Planning Stage)</i>	Warming Requirement (MW)
03/10/04	4B	2212	3824

Date	Cardinal Point	Scheduled Reserve Requirement (MW)	Residual Reserve Requirement (MW)
04/10/04	4B	1513	-2665

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Ofgem Approval

Ofgem considers that the quality of data available to NGC has a significant contribution to the efficiency of NGC's operation of the transmission system and that the proposed changes to the Grid Code will require the information provided to NGC to be collated on a more consistent basis which is expected to improve the quality of this information. Ofgem also understands that NGC uses this information when preparing forecasts that are provided to users of the transmission system. Ofgem considers that improvements to the quality of this information will facilitate competition in generation and supply and also promote the security of the electricity system as a whole by enabling market participants to make informed decisions.