



Single Electricity  
Market **Operator**

**Amendments to Legal Drafting on  
MOD\_09\_14 and MOD\_12\_14**

**Extraordinary Modifications Committee Meeting  
24 March 2015**

# Content

- Final costing received for MOD\_09\_14 V2;
- Amendments to legal drafting for MOD\_09\_14 V2;
- Amendments to legal drafting for MOD\_12\_14;
- Amendments to legal drafting common to both MODs;

# MOD\_09\_14 V2 - Vendor Costs

- Final costs were received by the vendor in respect to MOD\_09\_14 V2:

Vendor	Cost
Brady	€90,100
ABB	€22,000
<b>Total</b>	<b>€112,100</b>

- Both vendors are involved in the change due to a new variable, Shadow Price, being imported from Pricing into Settlement.

- Current mathematical function in legal drafting:

If  $MSQLFuh \geq 0$   
then

$$MWPib = \text{Max} \left\{ \sum_{uni} \sum_{hinb} \left[ \left( (Max(MOPuh, SPh) - SMP_h) \times MSQLFuh \right) \times TPD \right], 0 \right\} + MSQCCLFuh$$

else

$$MWPib = \text{Max} \left\{ \sum_{uni} \sum_{kinb} \left[ \left( (MOPuh - SMP_h) \times MSQLFuh \right) \times TPD \right], 0 \right\} + MSQCCLFuh$$

- The 'If' function outside the bracket, being at Unit level and Trading Period level, is inconsistent with the summation inside the bracket, which is at User level and Billing Period level.

- Proposed amendment for final legal drafting:

$$MWPib = \text{Max} \left\{ \sum_{uini} \sum_{hinb} \left[ \begin{array}{l} \text{If } MSQLFuh \geq 0 \\ \text{then} \left( \text{Max}(MOPuh, SPh) - SMP_h \right) \times MSQLFuh \\ \quad + MSQCCLFuh \\ \\ \text{else} \left( MOPuh - SMP_h \right) \times MSQLFuh \\ \quad + MSQCCLFuh \end{array} \right] \times TPD, 0 \right\}$$

- Position of 'If' function and relative conditions, swapped with  $\sum_{uini}$  and  $\sum_{hinb}$

The Market Operator shall procure that Make Whole Payments shall be calculated on a Billing Period basis for each Interconnector Unit  $u$  in Billing Period  $b$ , as follows:

Step 1: For each Interconnector Unit  $u$  the Make Whole Eligibility Indicator  $MWEI_{uh}$  for each Trading Period shall be calculated as set out below:

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the EA1 MSP Software Run  $m$  and

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the EA2 MSP Software Run  $m$  and

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the WD1 MSP Software Run  $m$

then

$$MWEI_{uh} = 1$$

else

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the EA1 MSP Software Run  $m$  and

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the EA2 MSP Software Run  $m$  and

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Interconnector Unit Market Schedule Quantity calculated by the WD1 MSP Software Run  $m$

then

$$MWEI_{uh} = 1$$

else

$$MWEI_{uh} = 0$$

- Cannot compare Interconnector Units across the EA/WD runs as each unit only exists for one Gate. Comparing with 'zero' would result in MWP for all Trading Periods as  $MWEI_{uh}$  will always be 1.

# MOD\_12\_14 – Proposed Final Legal Drafting

The Market Operator shall procure that Make Whole Payments shall be calculated on a Billing Period basis for each Interconnector Unit  $u$  in Billing Period  $b$ , as follows:

Step 1: For each Interconnector **User  $i$  comprising Interconnector Units  $u$**  the Make Whole Eligibility Indicator  $MWE_{iuh}$ ) for each Trading Period shall be calculated as set out below:

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the EA1 MSP Software Run  $m$  and

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the EA2 MSP Software Run  $m$  and

If  $MSQ_{uhm} \geq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the WD1 MSP Software Run  $m$

then

$$MWE_{iuh} = 1$$

else

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the EA1 MSP Software Run  $m$  and

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the EA2 MSP Software Run  $m$  and

If  $MSQ_{uhm} \leq 0$  where  $MSQ_{uhm}$  is the Market Schedule Quantity **for Interconnector Unit  $u$ , in Trading Period  $h$** , calculated by the WD1 MSP Software Run  $m$

then

$$MWE_{iuh} = 1$$

else

$$MWE_{iuh} = 0$$

# Both Mods - Legal Drafting

- An additional amendment should also be included in both Modifications for the Glossary definition of MWP:

## Current definition:

**Make Whole Payment** means a payment in respect of each Generator Unit, designed to make up any difference between the total Energy Payments to the Generator Unit in a Billing Period and the Schedule Production Cost for that Generator Unit for each Trading Period within the Billing Period (where the difference is arithmetically positive calculated over the Billing Period) as set out in paragraph 4.140 or as otherwise specified in Section 5.

## Proposed amended definition:

**Make Whole Payment** means a payment in respect of each Generator Unit, designed to make up any difference between the total Energy Payments to the Generator Unit in a Billing Period and the Schedule Production Cost for that Generator Unit for each Trading Period within the Billing Period (where the difference is arithmetically positive calculated over the Billing Period) as set out in paragraphs 4.140 and 4.140A or as otherwise specified in Section 5.