

UMSUG120/02 – RESULTS OF BURN HOURS REVIEW

MEETING NAME	UMSUG 120
Date of meeting	9 May 2017
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Purpose of paper	Information
Classification	Public
Summary	This paper presents the recalculated Burn Hours following a review initiated at the 29 September 2016 UMSUG meeting.

1. Background

- 1.1 At [UMSUG118](#) on 29 September 2016 we agreed to initiate a review of the published Burn Hours (Action 118/03). We undertook our review of the hours and developed a new Excel spreadsheet model which uses more sophisticated calculation methods than were available when they were last calculated in 2010.
- 1.2 At UMSUG119 on 7 February 2017 we provided an update on the progress of the Burn Hours review (paper [119/02](#)). We proposed to send the newly calculated values to Tym Huckin Limited (THL) and Power Data Associates (PDA) for comparison with their equivalent calculations. We committed to bring the finalised Burn Hours to the 9 May 2017 UMSUG meeting.

2. Progression

- 2.1 We provided the recalculated values for each Switch Regime (SR) to THL and PDA for review. THL and PDA provided their own calculations which we used to check against the recalculated values. THL calculated the Eastern values for Switch Regimes 100 to 834 and PDA provided values for all Grid Supply Point (GSP) Groups for over 100 Switch Regimes.
- 2.2 In the majority of calculations there were variances in an acceptable range, often our values sat half way between the THL and PDA value. For example our 200 series SR values sat between the PDA and THL values, all within a few of hours of each other. Where there was a discrepancy between THL and the ELEXON values we requested that PDA provide additional Switch Regimes.
- 2.3 For those Switch Regimes where there was significant difference, we worked to understand the reasons behind the variance between our results. Some variances were due to different assumptions used by ELEXON, THL and PDA, such as the baseline year used in the calculations. Others we have recalculated to better match the THL and PDA values. These issues were largely within the Part Night Electronic PECU¹ regimes in the 700 series and PECU Dusk to Dawn regimes in the 400, 600 and 800 series.
- 2.4 Attachment A contains the recalculated Burn Hours. We are still working on finalising 15 Switch Regimes that we needed to re-assess before we can publish the final numbers.

3. Next steps

- 3.1 The next steps are:
 - To confirm the last values and then publish the new Burn Hours. We will raise the appropriate Market Domain Data (MDD) Change Request to implement the new values in the SR spreadsheet.

¹ Photo Electric Control Unit.

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- To make available a version of the new SR calculation tool on request with instructions on how it should be used.

4. Recommendations

4.1 We invite you to:

- a) **NOTE** the updated Burn Hours;
- b) **NOTE** that we will raise the appropriate MDD Change Request to implement the new values in the SR spreadsheet; and
- c) **NOTE** that we will make available a version of the new SR calculation tool on request with instructions.

Attachments

Attachment A – Burn Hours.xlsx

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