

Rule modification title	Recovery of Load Curtailment Uplift Charges
Submitted By : Company: Date: Telephone No.	Market Administration Energy Market Company 09 March 2018 67793000
Rules Version/ Chapter/ Section	<u>Market Rules</u> (Version 1 January 2018): <ul style="list-style-type: none"> <li>Chapter 7 sections 2.2 and 3.4A</li> </ul> <u>Market Manuals</u> : <ul style="list-style-type: none"> <li>Market Operations Market Manual – Settlement (Chapter 7 Market Rules)</li> </ul>
Description of Market Rules	Please refer to <b>Annex 1</b> for the proposed modifications to the market rules, and <b>Annex 2</b> for the proposed modifications to the market manual.
Reasons for amendment	With the start of the open electricity market, the EMA has decided to recover the load curtailment uplift charges from all load, instead of only contestable load, as all consumers may benefit from lower wholesale prices as a result of load curtailment.
Impact of proposed amendment on MP, MO, PSO and general public	Under the proposed rule modifications, the WDQ (which is used to recover the load curtailment uplift charges) will comprise the withdrawal energy quantity of all load, regardless of contestability status. Consequently, all loads will bear a portion of the load curtailment uplift charges.
EMC's Comments	The proposed modifications are made pursuant to the EMA's directive made under Section 46(2)(b) of the Electricity Act.  The proposed modifications were published for consultation on 9 March 2018, and no comments were received.  The EMA approved the proposed modifications on 16 March 2018, and the proposed modifications will take effect on 19 March 2018.

Annex 1: Proposed Rule Modifications

Existing Market Rules (1 January 2018)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
<b>Chapter 7</b>	<b>Chapter 7</b>	
<b>2.2 <u>ENERGY, REGULATION AND RESERVE MARKET DATA</u></b>	<b>2.2 <u>ENERGY, REGULATION AND RESERVE MARKET DATA</u></b>	
<p>2.2.3 Subject to section 1.3, the <i>market support services licensee</i> shall, for each <i>dispatch period</i>, determine and provide the following <i>energy</i> quantities for the <i>settlement interval</i> corresponding to that <i>dispatch period</i>:</p> <p>...</p> <p>WDQ<sub>h</sub><sup>a</sup> = total withdrawal contestable quantity (in MWh) determined for the purposes of recovering <i>load curtailment</i> uplift charges, being the quantity of <i>energy</i> withdrawn by all contestable <i>load</i> associated with <i>settlement account a</i> for <i>settlement interval h</i></p> <p>WLQ<sub>h</sub><sup>p(a)</sup> = ...</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Explanatory Note:</b></p> <p>...</p> <p><b>WDQ – total withdrawal contestable quantity (in MWh) – In the Authority’s final</b></p> </div>	<p>2.2.3 Subject to section 1.3, the <i>market support services licensee</i> shall, for each <i>dispatch period</i>, determine and provide the following <i>energy</i> quantities for the <i>settlement interval</i> corresponding to that <i>dispatch period</i>:</p> <p>...</p> <p>WDQ<sub>h</sub><sup>a</sup> = total withdrawal <del>contestable</del> <u>energy</u> quantity (in MWh) determined for the purposes of recovering <i>load curtailment</i> uplift charges, being the quantity of <i>energy</i> withdrawn by all <del>contestable</del> <i>load</i> associated with <i>settlement account a</i> for <i>settlement interval h</i></p> <p>WLQ<sub>h</sub><sup>p(a)</sup> = ...</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Explanatory Note:</b></p> <p>...</p> <p><b>WDQ – total withdrawal <del>contestable</del><u>energy</u> quantity (in MWh) – In the Authority’s final determination paper, on “Implementing</b></p> </div>	<p>To change the description of WDQ to reflect that it comprises the withdrawal energy quantity of all load associated with a settlement account, to give effect to the EMA’s decision to recover load curtailment uplift charges from all load (instead of only contestable load).</p> <p>To provide that the explanatory note relating to WDQ comprising withdrawal</p>

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<p>determination paper, on “Implementing Demand Response in the National Electricity Market of Singapore” dated 28 October 2013, it was intended for WDQ to comprise only the withdrawal energy quantity of all contestable consumers whose retailers has not opted out of the payment for the hourly load curtailment uplift. The Authority has subsequently informed the EMC that no retailers have opted out in the aforesaid one-off opt-out exercise. Therefore, it is assumed that the hourly load curtailment uplift charge will be recovered from all contestable consumers and the rules have not been drafted to take into account, or to allow for, any such opting-out.</p>	<p><del>Demand Response in the National Electricity Market of Singapore” dated 28 October 2013, it was intended for WDQ to comprise only the withdrawal energy quantity of all contestable consumers whose retailers has not opted out of the payment for the hourly load curtailment uplift. The Authority has subsequently informed the EMC that no retailers have opted out in the aforesaid one-off opt-out exercise. Therefore, it is assumed that the hourly load curtailment uplift charge will be recovered from all contestable consumers and the rules have not been drafted to take into account, or to allow for, any such opting-out.</del> <u>For dispatch periods commencing before 19 March 2018 (and their corresponding settlement intervals), the WDQ comprises the withdrawal energy quantity of all contestable consumers. With the launch of the open electricity market, the Authority has decided to recover load curtailment uplift charges on all consumers instead. For dispatch periods commencing on or after 19 March 2018 (and their corresponding settlement intervals), the WDQ would therefore comprise the withdrawal energy quantity of all consumers, regardless of their contestability status.</u></p>	<p>energy quantity of only contestable load applies to dispatch periods commencing before 19 March 2018.</p> <p>To give effect to the EMA’s decision to recover load curtailment uplift charges from all load, where the WDQ for dispatch periods commencing on or after 19 March 2018 will comprise withdrawal energy quantity of all load (instead of only contestable load).</p>

Existing Market Rules (1 January 2018)	Proposed Rule Changes (Deletions represented by strikethrough text and additions represented by double-underlined text)	Reasons for Modification
<b><u>3.4A NET LOAD CURTAILMENT SETTLEMENT CREDIT</u></b>	<b><u>3.4A NET LOAD CURTAILMENT SETTLEMENT CREDIT</u></b>	
<p>3.4A.2 The hourly <i>load curtailment</i> uplift (HLCU, in \$/MWh) for a <i>settlement interval</i> shall be the total over all <i>settlement accounts</i> of the cost of <i>load curtailment</i> (LCSC, in \$) for that <i>settlement interval</i>, divided by, the aggregate of the <i>energy</i> withdrawn (in MWh) by all <i>contestable load</i> over all <i>settlement accounts</i> for that <i>settlement interval</i>, determined in accordance with the following formula:</p> $HLCU_h = \sum_a LCSC_h^a / \sum_a WDQ_h^a$ <p>where:  a= a <i>settlement account</i>  h = a <i>settlement interval</i>  <math>\sum_a</math> = sum over all <i>settlement accounts</i> a</p>	<p>3.4A.2 The hourly <i>load curtailment</i> uplift (HLCU, in \$/MWh) for a <i>settlement interval</i> shall be the total over all <i>settlement accounts</i> of the cost of <i>load curtailment</i> (LCSC, in \$) for that <i>settlement interval</i>, divided by, the aggregate of the <i>energy</i> withdrawn (in MWh) by all <del>contestable</del> <i>load</i> over all <i>settlement accounts</i> for that <i>settlement interval</i>, determined in accordance with the following formula:</p> $HLCU_h = \sum_a LCSC_h^a / \sum_a WDQ_h^a$ <p>where:  a= a <i>settlement account</i>  h = a <i>settlement interval</i>  <math>\sum_a</math> = sum over all <i>settlement accounts</i> a</p>	<p>To reflect that WDQ comprises the withdrawal energy quantity of all load, not only contestable load.</p>

**Annex 2**  
**Extract of the Market Operations Market Manual –**  
**Settlement (Chapter 7 Market Rules)**  
**Version 1 Oct 2017**

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 "WLQ", "27-MAY-2011", "48", "11.326", "NODEX", ""

The elements of the *metering data* (as illustrated in the above examples) shall be in the format as set out in the table below:

Data Item	Field Description	Field Type and Length	Mandatory/Optional	Valid Field Values
Quantity Type	The type of <i>energy</i> quantity injected or withdrawn from the <i>transmission system</i> .	VARCHAR2(32)	Mandatory	IEQ – injection <i>energy</i> quantity WEQ – withdrawal <i>energy</i> quantity WFQ – total withdrawal fee quantity WMQ – total withdrawal MEUC quantity WPQ – total withdrawal price quantity IIQ – net imported <i>intertie</i> quantity WDQ – withdrawal <u>contestable energy</u> quantity <u>for recovering load curtailment uplift charges</u> WLQ – withdrawal <i>energy</i> quantity for a <i>load registered facility</i>
Settlement Date	The <i>trading day</i> to which the <i>metering data</i> relates to.	DATE	Mandatory	DD-MMM-YYYY
Period	The <i>settlement interval</i> on the specified <i>trading day</i> to which the <i>energy</i> quantity relates to. There are 48 such <i>settlement intervals</i> which must be included for each of such <i>trading day</i> .  With regard to any period in relation to which there is no <i>metering data</i> to be submitted, the field value of the "quantity"	NUMBER (2)	Mandatory	1 to 48.