

ELECTRICITY INDUSTRY ACT 2004
ELECTRICITY INDUSTRY (WHOLESALE ELECTRICITY - MARKET)
REGULATIONS 2004
Wholesale Electricity Market Rules

IMO AMENDING RULES RC_2013_18 MADE ON 23 December 2013
These Amending Rules commence at 08.00am on 1 January 2014

The following clauses are amended (~~deleted wording~~, new wording):

1.10.2. Before 8:00 AM on the Balancing Market Commencement Day, notwithstanding that the Pre-Amended Rules continue to apply, each Rule Participant must perform all obligations imposed on that Rule Participant under the Post-Amended Rules, in relation to the Balancing Market Commencement Day and subsequent Trading Days, that, if the Post-Amended Rules were in force, the Rule Participant would have been required to perform under the Post-Amended Rules. This includes but is not limited to obligations relating to:

...

- (i) information in relation to the ~~Verve Energy~~ Balancing Portfolio under clause 7.6A.2;

...

1.10.3. On the Scheduling Day relating to the Trading Day that is also the Balancing Market Commencement Day set by the IMO under clause 7A.1.2, notwithstanding that the Pre-Amended Rules continue to apply, Rule Participants are not required to perform obligations under the following Pre-Amended Rules:

...

- (h) Scheduling and Dispatch of ~~Verve Energy~~Synergy under clause 7.6A; and

...

2.2.2. The other functions of System Management in relation to the Wholesale Electricity Market are:

- (a) to procure adequate Ancillary Services where ~~Verve Energy~~Synergy cannot meet the Ancillary Service Requirements;

...

2.3.5. Subject to clause 2.3.13, the Market Advisory Committee must comprise:

- (a) at least three and not more than four members representing Market Generators, ~~of whom one must represent Verve Energy~~;
- (b) one member representing Contestable Customers;

- (c) at least one and not more than two members representing Network Operators, of whom one must represent Western Power;
- (d) at least three and not more than four members representing Market Customers, ~~of whom one must represent Synergy;~~
- (e) one member nominated by the Minister to represent small-use consumers;
- (f) one member representing System Management;
- (g) one member representing the IMO; ~~and~~
- (h) one member representing Synergy; and
- (i) _____ a chairperson, who must be a representative of the IMO.

...

2.16.7. Without limitation, additional information that can be collected by the Economic Regulation Authority includes:

- (a) cost data for ~~Verve Energy~~Synergy, including actual fuel costs by Trading Interval;
- (b) System Management's operational records, including SCADA records, of the level of utilisation and fuel related data for each of ~~Verve Energy's~~Synergy's Registered Facilities by Trading Interval; and
- (c) the terms of Bilateral Contracts entered into by ~~Verve Energy and~~ Synergy.

...

3.11.7A. ~~Verve Energy~~Synergy must make its capacity to provide Ancillary Services from its Facilities available to System Management to a standard sufficient to enable System Management to meet its obligations in accordance with these Market Rules.

3.11.8. System Management may enter into an Ancillary Service Contract with a Rule Participant other than ~~Verve Energy~~Synergy for Spinning Reserve Ancillary Services, where:

- (a) it does not consider that it can meet the Ancillary Service Requirements with ~~Verve Energy's~~Synergy's Registered Facilities; or
- (b) the Ancillary Service Contract provides a less expensive alternative to Ancillary Services provided by ~~Verve Energy's~~Synergy's Registered Facilities.

...

3.13.3A. Subject to clause 3.13.3AB, for each Financial Year, by 31 March prior to the start of that Financial Year, the Economic Regulation Authority must determine values for the parameters Margin_Peak and Margin_Off-Peak, taking into account the Wholesale Market Objectives and in accordance with the following:

- (a) by 30 November prior to the start of the Financial Year, the IMO must submit a proposal for the Financial Year to the Economic Regulation Authority:
- i. for the reserve availability payment margin applying for Peak Trading Intervals, Margin_Peak, the IMO must take account of:
 1. the margin ~~Verve Energy~~Synergy could reasonably have been expected to earn on energy sales forgone due to the supply of Spinning Reserve Service during Peak Trading Intervals; and
 2. the loss in efficiency of ~~Verve Energy Registered Facilities~~Synergy's Scheduled Generators that System Management has scheduled to provide Spinning Reserve Service during Peak Trading Intervals that could reasonably be expected due to the scheduling of those reserves;
 - ii. for the reserve availability payment margin applying for Off-Peak Trading Intervals, Margin_Off-Peak, the IMO must take account of:
 1. the margin ~~Verve Energy~~Synergy could reasonably have been expected to earn on energy sales forgone due to the supply of Spinning Reserve Service during Off-Peak Trading Intervals; and
 2. the loss in efficiency of ~~Verve Energy Registered Facilities~~Synergy's Scheduled Generators that System Management has scheduled to provide Spinning Reserve Service during Off-Peak Trading Intervals that could reasonably be expected due to the scheduling of those reserves; and

...

3.13.3AB. During the period:

...

- (d) when determining a value for the parameter Margin_Peak under this clause 3.13.3AB the Economic Regulation Authority or the IMO, as applicable, must take account of
- i. the margin ~~Verve Energy~~Synergy could reasonably have been expected to earn on energy sales foregone due to the supply of Spinning Reserve during Peak Trading Intervals; and
 - ii. the loss in efficiency of ~~Verve Energy Registered Facilities~~Synergy's Scheduled Generators that System Management has scheduled to provide Spinning Reserve during Peak Trading Intervals that could reasonably be expected due to the scheduling of those reserves; and

- (e) when determining a value for the parameter Margin_Off-Peak under this clause 3.13.3AB the Economic Regulation Authority or the IMO, as applicable, must take account of:
 - i. the margin ~~Verve Energy~~Synergy could reasonably have been expected to earn on energy sales foregone due to the supply of Spinning Reserve during Off-Peak Trading Intervals; and
 - ii. the loss in efficiency of ~~Verve Energy Registered Facilities~~Synergy's Scheduled Generators that System Management has scheduled to provide Spinning Reserve during Off-Peak Trading Intervals that could reasonably be expected due to the scheduling of those reserves.

...

4.12.1. The Reserve Capacity Obligations of a Market Participant holding Capacity Credits, are as follows:

- (a) a Market Participant (other than ~~Verve Energy~~Synergy) must ensure that for each Trading Interval:
 - ...
- (b) ~~Verve Energy~~Synergy must ensure that for each Trading Interval:
 - i. ~~[Blank]~~the aggregate MW equivalent of the quantity of Capacity Credits held by Synergy applicable in that Trading Interval for Interruptible Loads and Demand Side Programmes registered to it; plus
 - ii. the MW quantity calculated by doubling the total MWh quantity which ~~Verve Energy~~Synergy is selling to other Market Participants as indicated by the applicable Net Contract Position of ~~Verve Energy~~Synergy, corrected for loss factor adjustments so as to be a sent out quantity; plus
 - iii. the MW quantity calculated by doubling the total MWh quantity covered by STEM Offers which were not scheduled and the STEM Bids which were scheduled in the relevant STEM Auction determined by the IMO for ~~Verve Energy~~Synergy under clause 6.9 for that Trading Interval, corrected for loss factor adjustments so as to be a sent out quantity; plus
 - iv. capacity expected to experience a Forced Outage at the time that STEM submissions were due which becomes available in real time, is not less than the total Reserve Capacity Obligation Quantity for ~~Verve Energy~~Synergy for that Trading Interval, less double the total MWh quantity to be provided as Ancillary Services as specified by the IMO for ~~Verve Energy~~Synergy in accordance with clause 6.3A.2(e)(i).

4.14.4. The value specified by ~~Verve Energy~~Synergy in accordance with clause 4.14.1(c) must be not less than:

(a) the lesser of:

- i. the total Certified Reserve Capacity held by ~~Verve Energy~~Synergy; and
- ii. ~~Verve Energy's~~Synergy's peak load, as determined in accordance with clause 4.14.5 multiplied by an amount equal to:

...

4.14.5. For the purpose of clause 4.14.4, ~~Verve Energy's~~Synergy's peak load is calculated by doubling the average of ~~Verve Energy's~~Synergy's supply quantities (expressed in MWh) specified in the Bilateral Submissions that applied during the 12 peak Trading Intervals, as specified in Appendix 5, of the previous Hot Season. Prior to the completion of the first Hot Season following Energy Market Commencement this value will be determined by the IMO and provided to ~~Verve Energy~~Synergy not less than 20 Business Days prior to the date specified in clause 4.1.14.

...

4.23A.2. In performing the allocations described in clause 4.23A.1, the IMO must:

- (a) ensure that the total Certified Reserve Capacity, Capacity Credits and Reserve Capacity Obligation Quantities of the Registered Facilities equal, respectively, the Certified Reserve Capacity, Capacity Credits and Reserve Capacity Obligation Quantities that were associated with Western Power Corporation's generation systems in accordance with clauses 4.11, 4.12, and 4.20;
- (b) where facilities will not be registered as being ~~Verve Energy~~Synergy facilities as at Energy Market Commencement, allocate Certified Reserve Capacity, Capacity Credits and Reserve Capacity Obligation Quantities to the Market Participant to whom those facilities are to be registered; and
- (c) consult with Western Power Corporation or ~~Verve Energy~~Synergy (as applicable) and give consideration to Western Power Corporation or ~~Verve Energy~~Synergy (as applicable) preferences as to how clause 4.23A.1 should be implemented.

...

4.26.2. The IMO must determine the net STEM shortfall ("Net STEM Shortfall") in Reserve Capacity supplied by each Market Participant p holding Capacity Credits associated with a generation system in each Trading Interval t of Trading Day d and Trading Month m as:

...

(d) subject to clause 4.26.2(c), for the case where Market Participant p is not ~~Verve Energy~~Synergy, the sum of:

...

(e) subject to clause 4.26.2(c), for the case where Market Participant p is ~~Verve Energy~~Synergy, the sum of:

...

ii. the MW quantity calculated by doubling the total MWh quantity of energy that Synergy is selling to other Market Participants as indicated by the Net Contract Position quantity of that Market Participant for Trading Interval t, corrected for Loss Factor adjustments so as to be a sent out quantity in accordance with clause 4.26.2A; plus

...

iv. double the total MWh quantity to be provided as Ancillary Services as specified by the IMO in accordance with clause 6.3A.2(e)(i) for ~~Verve Energy~~Synergy corrected for Loss Factor adjustments so as to be a sent out quantity in accordance with clause 4.26.2A; plus

...

6.5.1. Market Participants, including ~~Verve Energy~~Synergy but only in respect of its Stand Alone Facilities, may submit Resource Plan Submission data for a Trading Day to the IMO between:

...

6.5.1A. Market Generators with Registered Facilities, including ~~Verve Energy~~Synergy but only in respect of its Stand Alone Facilities, that are not undergoing a Commissioning Test or Market Customers with Dispatchable Loads, must provide the IMO with a Resource Plan Submission by:

...

6.5.4. If the IMO has not accepted a Resource Plan Submission for a Trading Day by the closing time specified in clause 6.5.1(b) from a Market Participant that is required to make a Resource Plan Submission, then the IMO must prepare a default Resource Plan for that Market Participant which must include, for each Trading Interval on the Trading Day:

(a) in respect of a Market Participant (other than ~~Verve Energy~~Synergy in relation to its Stand Alone Facilities):

i. all the Market Participant's Scheduled Generators and Non-Scheduled Generators having a scheduled output of zero;

ii. all Dispatchable Loads having a scheduled consumption of zero;
and

- iii. the level of the supply shortfall required pursuant to clause 6.11.1(e) equal to the total Net Contract Position; or

- (b) in respect of all of ~~Verve Energy's~~Synergy's Stand Alone Facilities, having a scheduled output of zero.

...

- 6.5C.1. All references to a Market Participant in this clause 6.5C include ~~Verve Energy~~Synergy, but only in respect of its Stand Alone Facilities.

...

- 6.11.1. A Market Participant submitting Resource Plan Submission data or Standing Resource Plan Submission data must ensure the submission is made in the form and manner prescribed and published by the IMO and include in the submission:

...

- (e) other than for ~~Verve Energy~~Synergy, any shortfall in MWh for each Trading Interval between the net energy scheduled in the Resource Plan Submission and the Net Contract Position of the Market Participant.

- 6.11.3. A Market Participant, other than ~~Verve Energy~~Synergy, must ensure that either:

...

- 6.15.1. The Maximum Theoretical Energy Schedule in a Trading Interval is:

...

- (c) for the ~~Verve Energy~~ Balancing Portfolio:
 - i. the maximum amount of sent out energy, in MWh, which could have been dispatched in the Trading Interval from Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve with an associated price less than or equal to the Balancing Price; plus
 - ii. if the ~~Verve Energy~~ Balancing Portfolio's SOI Quantity is greater than the sum of the quantities in the Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve which have an associated price that is less than or equal to the Balancing Price, the minimum amount of sent out energy, in MWh, if any, which could have been dispatched in the Trading Interval from any of the Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve which have an associated price greater than the Balancing Price,

taking into account the Portfolio Ramp Rate Limit and the SOI Quantity.

- 6.15.2 The Minimum Theoretical Energy Schedule in a Trading Interval equals:

- (c) for the ~~Verve Energy~~ Balancing Portfolio, the amount which is the lesser of:
 - i. the sum of:

1. the maximum amount of sent out energy, in MWh, which could have been dispatched in the Trading Interval from Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve with an associated price less than the Balancing Price; plus
2. if the ~~Verve Energy~~ Balancing Portfolio's SOI Quantity is greater than the sum of the quantities in the Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve which have an associated price that is less than the Balancing Price, the minimum amount of sent out energy, in MWh, if any, which could have been dispatched in the Trading Interval from any of the Balancing Price-Quantity Pairs within the Balancing Portfolio Supply Curve which have an associated price greater than or equal to the Balancing Price,

taking into account the Portfolio Ramp Rate Limit and SOI Quantity; and

- ii. where a Facility in the ~~Verve Energy~~ Balancing Portfolio is subject to an Outage, the maximum amount of sent out energy, in MWh, which could have been dispatched given the sum of the Available Capacity of Facilities in the ~~Verve Energy~~ Balancing Portfolio for that Trading Interval.

...

6.16B. ~~Verve Energy~~ Balancing Portfolio Out of Merit

6.16B.1. The Portfolio Upwards Out of Merit Generation in a Trading Interval for the ~~Verve Energy~~ Balancing Portfolio equals:

- (a) subject to clause 6.16B.1(b), the sum of any Sent Out Metered Schedules for Facilities in the ~~Verve Energy~~ Balancing Portfolio less the Maximum Theoretical Energy Schedule for the ~~Verve Energy~~ Balancing Portfolio; or
- (b) zero if:
 - i. System Management has provided a report to the IMO under clause 7.10.7 and the IMO determines that ~~Verve Energy~~Synergy has not adequately or appropriately complied with a Dispatch Order in respect of the ~~Verve Energy~~ Balancing Portfolio; or
 - ii. the sum of any Sent Out Metered Schedules for Facilities in the ~~Verve Energy~~ Balancing Portfolio less the Maximum Theoretical Energy Schedule for the ~~Verve Energy~~ Balancing Portfolio is less than the sum of:
 1. any increase in sent out energy due to a Network Control Service Contract which System Management instructed a

Facility within the ~~Verve Energy~~ Balancing Portfolio to provide;

2. if Facilities within the ~~Verve Energy~~ Balancing Portfolio were instructed by System Management to provide LFAS, the sum of Upwards LFAS Enablement and Upwards LFAS Backup Enablement, both divided by two so that they are expressed in MWh;
3. if a Spinning Reserve Event has occurred, any Spinning Reserve Response Quantity; and
4. the Portfolio Settlement Tolerance.

6.16B.2. The Portfolio Downwards Out of Merit Generation in a Trading Interval for the ~~Verve Energy~~ Balancing Portfolio equals:

- (a) subject to clause 6.16B.2(b), the Minimum Theoretical Energy Schedule less the sum of any Sent Out Metered Schedules for Facilities in the ~~Verve Energy~~ Balancing Portfolio; or
- (b) zero if:
 - i. System Management has provided a report to the IMO under clause 7.10.7 and the IMO determines that ~~Verve Energy~~Synergy has not adequately or appropriately complied with a Dispatch Order; or
 - ii. the Minimum Theoretical Energy Schedule of the ~~Verve Energy~~ Balancing Portfolio less the sum of any Sent Out Metered Schedules for Facilities in the ~~Verve Energy~~ Balancing Portfolio is less than the sum of:
 1. any reduction in sent out energy due to a Network Control Service Contract which System Management instructed a Facility within the ~~Verve Energy~~ Balancing Portfolio to provide;
 2. if Facilities within the ~~Verve Energy~~ Balancing Portfolio were instructed by System Management to provide LFAS, the sum of the Downwards LFAS Enablement plus the Downwards LFAS Backup Enablement, both divided by two so that they are expressed in MWh;
 3. if a Load Rejection Reserve Event has occurred, any Load Rejection Reserve Response Quantity; and
 4. the Portfolio Settlement Tolerance.

...

6.17.1. The IMO must determine for each Market Participant and each Trading Interval of each Trading Day:

...

- (e) Loss Factor adjusted Constrained On ~~Verve Energy~~-Balancing Portfolio Quantities and associated prices; and
- (f) Loss Factor adjusted Constrained Off ~~Verve Energy~~-Balancing Portfolio Quantities and associated prices,

in accordance with this clause 6.17.

Constrained On ~~Verve Energy~~-Balancing Portfolio Quantities and Prices

6.17.5. Subject to clause 6.17.5C, the IMO must attribute any Upwards Out of Merit Generation from the ~~Verve Energy~~-Balancing Portfolio in a Trading Interval as follows:

- (a) Portfolio Constrained On Quantity1 (PConQ1) equals the lesser of:
 - i. the maximum energy less the minimum energy, if any, in MWh, which could have been dispatched from the Balancing Price-Quantity Pair N in the Balancing Portfolio Supply Curve with a price (Price N) higher than but closest to the Balancing Price, taking into account the actual ~~Verve Energy~~-Balancing Portfolio SOI Quantity and the Portfolio Ramp Rate Limit; and
 - ii. the Upwards Out of Merit Generation for the ~~Verve Energy~~ Balancing Portfolio;
- (b) Constrained On Compensation Price1 (PConP1) equals the Price N identified in clause 6.17.5(a) less the Balancing Price;
- (c) If the Portfolio Upwards Out of Merit Generation exceeds PConQ1 and a Balancing Price-Quantity Pair exists in the Balancing Portfolio Supply Curve with a price higher than Price N, then:
 - i. additional Portfolio Constrained On Quantity2 (PConQ2) equals the lesser of:
 - 1. the maximum energy less the minimum energy, if any, in MWh, which could have been dispatched from the Balancing Portfolio Supply Curve Balancing Price-Quantity Pair N+1 with a price (Price N+1) higher than but closest to the Price N, taking into account when the ~~Verve Energy~~-Balancing Portfolio MW level reached the top, or the bottom, as applicable, of Balancing Price-Quantity Pair N in the calculation in clause 6.17.5(a)(i) and the Portfolio Ramp Rate Limit; and
 - 2. the Portfolio Upwards Out of Merit Generation less PConQ1; and
 - ii. Constrained On Compensation Price2 (PConP2) equals the Price N+1 identified in clause 6.17.5(c)(i) less the Balancing Price;

- (d) The IMO must repeat the process set out in clause 6.17.5(c) to identify, from the next highest priced Balancing Price-Quantity Pair N+1, any PConQN+1 and PConPN+1 until all Upwards Out of Merit Generation has been attributed to Balancing Price-Quantity Pairs or, otherwise, until there are no remaining Balancing Price-Quantity Pairs in the Balancing Portfolio Supply Curve;
- (e) The Non-Qualifying Constrained On Generation for the ~~Verve Energy~~ Balancing Portfolio equals the sum, expressed in sent out MWh, of any increase in energy due to a Network Control Service Contract and of the following Ancillary Services (if any), which System Management instructed ~~Verve Energy~~ Synergy to provide from Facilities within the ~~Verve Energy~~ Balancing Portfolio:

...

Constrained Off ~~Verve Energy~~ Balancing Portfolio Quantities and Prices

6.17.5A. Subject to clause 6.17.5C, the IMO must attribute any Downwards Out of Merit Generation from the ~~Verve Energy~~ Balancing Portfolio in a Trading Interval as follows:

- (a) Constrained Off Portfolio Quantity1 (PCoffQ1) equals the lesser of:
 - i. the maximum energy less the minimum energy, if any, in MWh, which could have been dispatched down from Balancing Price-Quantity Pair N, with Price N, in the Balancing Portfolio Supply Curve, taking into account the Available Capacity of the ~~Verve Energy~~ Balancing Portfolio, the MW level at the start of the Trading Interval and the Portfolio Ramp Rate Limit, where N is determined from either of the following Balancing Price-Quantity Pairs or, if different, the one with the lower price:

...

- (c) If the Portfolio Downwards Out of Merit Generation (in MWh) exceeds PCoffQ1 and a Balancing Price-Quantity Pair exists in the Balancing Portfolio Supply Curve with a price lower than Price N, then:
 - i. additional Constrained Off Portfolio Quantity2 (PCoffQ2) equals the lesser of:
 - 1. the maximum energy less the minimum energy, if any, in MWh, which could have been dispatched down from the Balancing Portfolio Supply Curve Balancing Price-Quantity Pair N+1 with a price (Price N+1) lower than but closest to Price N, taking into account when the ~~Verve Energy~~ Balancing Portfolio MW level reached the bottom, or top, as applicable, of Balancing Price-Quantity Pair N in the calculation in clause 6.17.5A(a)(i) and the Portfolio Ramp Rate Limit; and

...

- (e) The Non-Qualifying Constrained Off Generation for the ~~Verve Energy~~ Balancing Portfolio equals the sum, expressed in sent out MWh, of any reduction in sent out energy due to a Network Control Service Contract and of the following Ancillary Services (if any), which System Management instructed ~~Verve Energy~~Synergy to provide from Facilities in the ~~Verve Energy~~ Balancing Portfolio:

...

6.17.5B. Clauses 6.17.3, 6.17.3A, 6.17.4 and 6.17.4A do not apply to Facilities in the ~~Verve Energy~~ Balancing Portfolio.

...

6.17.9. The IMO must other than for Facilities in the ~~Verve Energy~~ Balancing Portfolio, determine a Settlement Tolerance for each Scheduled Generator, Non-Scheduled Generator and Dispatchable Load, where this Settlement Tolerance is equal to:

...

6.17.10. The Portfolio Settlement Tolerance equals the lesser of:

- (a) 3 MWh; and
- (b) 3% of the Sent Out Capacity of the ~~Verve Energy~~ Balancing Portfolio divided by two to be expressed as MWh.

...

6.21.2. The IMO must provide the following information to the settlement system for each Trading Interval in a Trading Day:

...

- iv. the ~~Verve Energy~~ Balancing Portfolio Loss Factor adjusted Constrained On Quantities and prices calculated in accordance with clause 6.17.5;
- v. the ~~Verve Energy~~ Balancing Portfolio Loss Factor adjusted Constrained Off Quantities and prices calculated in accordance with clause 6.17.5A; and
- vi. the Non-Balancing Facility Dispatch Instruction Payment.

...

7.5.4. Subject to clause 7.5.5, a Market Participant other than ~~Verve Energy~~Synergy may at any time between 1:30 PM on the Scheduling Day and 30 minutes prior to the commencement of the Trading Interval described in clause 7.5.4(b) notify System Management that the Market Participant will change the fuel upon which a Scheduled Generator registered to it will operate on from a Liquid Fuel to a Non-Liquid Fuel, or vice versa, where the notification must include:

...

...

7.6.2. For the purposes of clauses 7.6.1 and 7.6.1C, the ~~Verve Energy~~-Balancing Portfolio is to be treated as a Balancing Facility but the dispatch of any Facility within the ~~Verve Energy~~-Balancing Portfolio is to be under the Dispatch Plan or a Dispatch Order in accordance with clause 7.6A, which is deemed to meet the requirements to issue a Dispatch Instruction in respect of the ~~Verve Energy~~ Balancing Portfolio.

7.6.2A. Where the Dispatch Criteria requires System Management to alter the Dispatch Plan of ~~Verve Energy~~Synergy, subject to the limitations imposed by this clause 7.6, System Management must employ reasonable endeavours to minimise the change in the Dispatch Plan and to have regard for the merit order of ~~Verve Energy~~Synergy Facilities in the ~~Verve Energy~~-Balancing Portfolio.

...

7.6.12. System Management may give a direction to a Market Participant (other than ~~Verve Energy~~Synergy) in respect of a Scheduled Generator or Non-Scheduled Generator registered by the Market Participant with regard to the reactive power output of that Facility in accordance with any power factor required under the Technical Rules applying to the relevant Network.

7.6A. Scheduling and Dispatch of the ~~Verve Energy~~-Balancing Portfolio and Stand Alone Facilities for certain Ancillary Services

7.6A.1. Subject to System Management's obligations under clause 7.6, this clause 7.6A describes the rules governing the relationship between System Management and ~~Verve Energy~~Synergy for the purpose of scheduling and dispatching the Stand Alone Facilities for Ancillary Services and for scheduling and dispatching Facilities in the ~~Verve Energy~~-Balancing Portfolio generally.

7.6A.2. With respect to the scheduling of Stand Alone Facilities for Ancillary Services and the scheduling of Facilities in the ~~Verve Energy~~-Balancing Portfolio generally:

- (a) at least once every month, ~~Verve Energy~~Synergy must provide to System Management the following information in regard to the subsequent month:
 - i. a plant schedule describing the merit order in which the Facilities in the ~~Verve Energy~~-Balancing Portfolio are to be called upon and any restrictions on the operations of such Facilities;
 - ii. a plan for which fuels will be used in each Facility in the ~~Verve Energy~~-Balancing Portfolio and guidance as to how that plan might be varied depending on circumstances;
 - iii. a description as to how Ancillary Services are to be provided from Facilities in the ~~Verve Energy~~-Balancing Portfolio; and

iv. a description as to how Ancillary Services are to be provided from the Stand Alone Facilities,

where the format and time resolution of this data is to be described in a procedure;

(b) System Management must provide to ~~Verve Energy~~Synergy by 8:30 AM on the Scheduling Day associated with a Trading Day a forecast of total system demand for the Trading Day where the format and time resolution of this data is to be described in a procedure;

(c) System Management must provide to ~~Verve Energy~~Synergy by 4:00 PM on the Scheduling Day associated with a Trading Day:

i. a forecast of the requirements for energy in the ~~Verve Energy~~ Balancing Portfolio, being a forecast of the whole of system energy requirement less:

1. the aggregate energy of all Resource Plans associated with ~~the other Market Participants' Scheduled Generators and Dispatchable Loads, including Synergy's Dispatchable Loads of other Market Participants;~~ and

2. the aggregate forecast output of other Market Participants' Non-Scheduled Generators, including the aggregate forecast output of any Non-Scheduled Generators which are Stand Alone Facilities, for the Trading Day;

ii. the Dispatch Plan for each Facility for the Trading Day; and

iii. a forecast of the detailed Ancillary Services required from each Facility in the ~~Verve Energy~~-Balancing Portfolio and Ancillary Services from each Stand Alone Facility,

where the format and time resolution of this data is to be described in a procedure;

(d) System Management must consult with ~~Verve Energy~~Synergy in developing the information described in clause 7.6A.2(c) and ~~Verve Energy~~Synergy must provide System Management with any information required by System Management in accordance with a procedure to support the preparation of the information in clause 7.6A.2(c). In the event of any failure by ~~Verve Energy~~Synergy to provide information required by System Management in a timely fashion then System Management may use its reasonable judgement to substitute its own information;

(e) System Management must provide to the IMO by 4:00 PM on the Scheduling Day associated with a Trading Day the aggregate forecast output of all Non-Scheduled Generators for the Trading Day, referred to in clause 7.6A.2(c)(i)(2);

(f) If after 4:00 PM on the Scheduling Day but prior to the start of a Trading Interval on the corresponding Trading Day, System Management becomes

aware of a change in conditions which will require a significant change in the Dispatch Plan it may make such change but must notify ~~Verve Energy~~Synergy of such change; and

- (g) ~~Verve Energy~~Synergy must notify System Management as soon as practicable if it becomes aware that it is unable to comply with a Dispatch Plan, providing reasons as to why it cannot comply.
- 7.6A.3. With respect to the dispatch of Stand Alone Facilities for the purposes of Ancillary Services other than LFAS but including LFAS Backup Enablement, and the dispatch of ~~Verve Energy~~ Facilities in the ~~Verve Energy~~ Balancing Portfolio generally, during a Trading Day:
- (a) System Management may issue an Operating Instruction for Stand Alone Facilities, and instruct Facilities in the ~~Verve Energy~~ Balancing Portfolio to deviate from the Dispatch Plan, or to change their commitment or output, in accordance with the Dispatch Criteria or in response to System Management's powers under a High Risk Operating State or an Emergency Operating State;
 - (b) System Management must provide adequate notice to ~~Verve Energy~~Synergy, based on Standing Data, before a Facility in the ~~Verve Energy~~ Balancing Portfolio is required to respond to an instruction given under clause 7.6A.3(a); and
 - (c) ~~Verve Energy~~Synergy must notify System Management as soon as practicable if ~~Verve Energy~~Synergy becomes aware that it is unable to comply with an instruction given under clause 7.6A.3(a).
- 7.6A.4. With respect to the dispatch compliance of ~~Verve Energy~~Synergy for Facilities in the ~~Verve Energy~~ Balancing Portfolio:
- (a) System Management may deem ~~Verve Energy~~Synergy to be in non-compliance for a Trading Interval if ~~Verve Energy~~Synergy fails to comply with the Dispatch Plan, its obligations to provide Ancillary Services, or an instruction given under clause 7.6A.3(a), to an extent that could endanger Power System Security;
 - (b) ~~in~~ determining whether or not to deem ~~Verve Energy~~Synergy to be in non-compliance, System Management must give due regard to any reasonable mitigating circumstances of which ~~Verve Energy~~Synergy has notified it in accordance with clause 7.6A.3(c);
 - (c) In determining whether or not to deem ~~Verve Energy~~Synergy to be in non-compliance, System Management may only consider a deviation by an individual ~~Verve Energy~~Synergy Facility from an output level specified in any instruction from System Management to be in non-compliance if the deviation at any time exceeds 10 MW; and
 - (d) In the event that System Management deems ~~Verve Energy~~Synergy to be in non-compliance for a Trading Interval then System Management must

determine a single MWh quantity describing the total non-compliance of ~~Verve Energy Synergy~~ for that Trading Interval.

7.6A.5. With respect to administration and reporting:

- (a) Representatives of System Management and ~~Verve Energy Synergy~~ must meet at least once per month to review the procedures operating under this clause 7.6A. The minutes of these meetings must be recorded by System Management;
- (b) At the meetings described in clause 7.6A.5(a), System Management and ~~Verve Energy Synergy~~ must use best endeavours to address any issues arising from the application of the procedures operating under this clause 7.6A. Where agreement cannot be reached either party may seek arbitration by the IMO;
- (c) System Management must report to the IMO any instance where it believes that ~~Verve Energy Synergy~~ has failed to meet its obligations under this clause 7.6A;
- (d) ~~Verve Energy Synergy~~ may report to the IMO any instance where it believes that System Management has failed to meet its obligations under this clause 7.6A;
- (e) Upon request by the IMO, ~~Verve Energy Synergy~~ and System Management must make available to the IMO records created because of the operation of this clause 7.6A and procedures required by this clause 7.6A.

7.6A.6. ~~Verve Energy Synergy~~ and System Management must retain all records, including meeting minutes, created because of the operation of this clause 7.6A and procedures required by this clause 7.6A.

7.6A.7. Subject to clause 7.6A.8, System Management must document the procedures System Management and ~~Verve Energy Synergy~~ must follow to comply with this clause 7.6A, including the process to follow in developing the confidential procedure described in clause 7.6A.8, in the Power System Operation Procedure, and System Management and ~~Verve Energy Synergy~~ must follow that documented Market Procedure.

7.6A.8. Any procedure created or data exchanged in accordance with this clause 7.6A which is commercially sensitive information of ~~Verve Energy Synergy~~ must not be included in the Power System Operation Procedure. Instead, such information must be included in a confidential procedure developed by System Management in consultation with ~~Verve Energy Synergy~~.

...

7.7.1. A Dispatch Instruction is an instruction issued by System Management to a Market Participant, other than ~~Verve Energy Synergy~~ in respect of its ~~Verve Energy~~ Balancing Portfolio, directing that the Market Participant vary the output or consumption of one of its Registered Facilities.

...

7.10.7. Where System Management has issued a warning about a deviation to a Market Participant under clause 7.10.5(c) regarding a failure to comply with clause 7.10.1, System Management:

(a) unless the deviation is within the Tolerance Range or Facility Tolerance Range, must, in the time, form and manner prescribed in the IMS Interface Market Procedure, report the deviation to the IMO. System Management must include in the report:

...

iii. whether System Management issued instructions to ~~the~~ Synergy in respect of its Registered Facilities of ~~Verve Energy~~ or Registered Facilities covered by any Ancillary Service Contract or issued Dispatch Instructions or Operating Instructions to other Registered Facilities as a result of the failure; and

...

7.11.5. System Management must release a Dispatch Advisory in the event of, or in anticipation of situations where:

...

(g) System Management expects to issue a Dispatch Instruction Out of Merit including, for the purpose of this clause, issuing a Dispatch Order to the ~~Verve Energy~~ Balancing Portfolio in accordance with clause 7.6.2, which will result in Out of Merit dispatch of the ~~Verve~~ Balancing Portfolio;

...

...

7.12.1. System Management must provide a report to the IMO once every three months on the performance of the market with respect to the dispatch process. -This report must include details of:

...

(bA) the incidence and reasons for the issuance of Dispatch Instructions to Balancing Facilities Out of Merit, including for the purposes of this clause, issuing Dispatch Orders to the ~~Verve Energy~~ Balancing Portfolio in accordance with clause 7.6.2;

...

...

7.13.1. System Management must provide the IMO with the following data for a Trading Day by noon on the first Business Day following the day on which the Trading Day ends:

...

- (d) a description of the reasons for any failure of a ~~Verve Energy~~Synergy Facility to follow the scheduling and dispatch procedures relating to clause 7.6A;

...

7.13.1A. System Management must provide the IMO with the following data for a Trading Day by noon on the fifteenth Business Day following the day on which the Trading Day ends:

- (a) the MWh quantity of non-compliance by ~~Verve Energy~~Synergy by Trading Interval; and
- (b) the schedule of all Planned Outages, Forced Outages and Consequential Outages relating to each Trading Interval in the Trading Day by Market Participant and Facility.

...

7.13.1C. The IMO may request, and System Management must provide, within 10 Business Days of receipt of a request from the IMO:

...

- (d) a schedule of all instructions, including Dispatch Orders, provided to ~~Verve Energy's~~Synergy's Non-Scheduled Generators to deviate from the Dispatch Plan or change their commitment or output in accordance with clause 7.6A.3; and
- (e) an estimate of the decrease in the output (in MWh) of each of ~~Verve Energy's~~Synergy's Non-Scheduled Generators as a result of an instruction from System Management to deviate from the Dispatch Plan or change their commitment or output in accordance with clause 7.6A.3(a),

for each Trading Interval during the time period specified by the IMO in its request.

...

7A.1.14. For the purposes of this Chapter 7A only, unless otherwise indicated, the ~~Verve Energy~~ Balancing Portfolio is to be treated as a single Balancing Facility and references in this Chapter 7A to a Balancing Facility are to be read as including a reference to the ~~Verve Energy~~ Balancing Portfolio.

...

7A.2.1. A Market Participant must ensure that:

- (a) it has made a Balancing Submission in accordance with clause 7A.2.4 for each of its Balancing Facilities, excluding Facilities in the ~~Verve Energy~~ Balancing Portfolio;
- (b) it has made a Balancing Submission for all Trading Intervals in the Balancing Horizon for each of its Balancing Facilities; and

- (c) the Balancing Submission is made before Balancing Gate Closure or, in the case of the ~~Verve Energy~~ Balancing Portfolio, before the times specified in clause 7A.2.9(d), for those Trading Intervals.
- 7A.2.2. A Market Participant may submit a subsequent Balancing Submission in accordance with clause 7A.2.4 in respect of any of its Balancing Facilities, excluding Facilities in the ~~Verve Energy~~ Balancing Portfolio, and:
- (a) the Balancing Submission may be for one or more Trading Intervals in the Balancing Horizon; and
 - (b) the Balancing Submission must be made before Balancing Gate Closure for any Trading Interval in the submission.
- 7A.2.3. A Market Participant with a Balancing Facility that is:
- (a) the subject of an Operating Instruction; or
 - (b) undergoing a Test that has an approved Test Plan,
- must ensure that the price in the Balancing Price-Quantity Pair for a Balancing Submission submitted under this clause 7A.2 is at the Minimum STEM Price for the quantity for each Trading Interval specified in the Operating Instruction or the Test Plan. The provisions of this clause 7A.2.3 do not apply to the ~~Verve Energy~~ Balancing Portfolio.
- 7A.2.9. ~~Verve Energy~~Synergy, in relation to the ~~Verve Energy~~ Balancing Portfolio:
- (a) must, subject to clauses 7A.2.9(e) and 7A.2.9(f), ensure that its Balancing Portfolio Supply Curve accurately reflects:
 - i. all information reasonably available to it, including Balancing Forecasts published by the IMO and the latest information available to it in relation to any Forced Outage for a Facility in the ~~Verve Energy~~ Balancing Portfolio;
 - ii. ~~Verve Energy's~~Synergy's reasonable expectation of the capability of its ~~Verve Energy~~ Balancing Portfolio to be dispatched in the Balancing Market for that Trading Interval; and
 - iii. the price at which ~~Verve Energy~~Synergy intends to have the ~~Verve Energy~~ Balancing Portfolio participate in Balancing;
 - ...
 - (e) may update its Balancing Portfolio Supply Curve in relation to any Trading Interval in the Balancing Horizon for which Balancing Gate Closure is more than two hours in the future if a Facility in the ~~Verve Energy~~ Balancing Portfolio has experienced a Forced Outage since the last Balancing Submission; and
 - (f) may after the time specified in clause 7A.2.9(d), update its Balancing Portfolio Supply Curve to reflect the impact of a Forced Outage which ~~Verve Energy~~Synergy expects will cause a Facility to run on Liquid Fuel,

where the Facility would not have run on Liquid Fuel but for the Forced Outage, in order to meet ~~Verve Energy's~~Synergy's Balancing obligations in relation to the ~~Verve Energy~~ Balancing Portfolio under this Chapter 7A.

7A.2.10. A Market Participant (other than ~~Verve Energy~~Synergy in relation to the ~~Verve Energy~~ Balancing Portfolio) as soon as it becomes aware that a Balancing Submission for a Trading Interval for which Balancing Gate Closure has occurred is inaccurate:

...

...

7A.2.12. Where ~~Verve Energy~~Synergy has submitted an updated Balancing Portfolio Supply Curve in accordance with clauses 7A.2.9(e) or 7A.2.9(f) because of a Forced Outage of one of the Facilities in the ~~Verve Energy~~ Balancing Portfolio after the time specified in these clauses it must, as soon as reasonably practicable, provide the IMO with written details of:

- (a) the nature of the Forced Outage;
- (b) when the Forced Outage occurred;
- (c) the duration of the Forced Outage; and
- (d) information substantiating the commercial impact, if any, of the Forced Outage.

...

7A.3.1. The IMO must convert the prices for each Trading Interval in Balancing Price-Quantity Pairs in Balancing Submissions from Market Participants, other than ~~Verve Energy~~Synergy in respect of the ~~Verve Energy~~ Balancing Portfolio, into Loss Factor Adjusted Prices.

...

7A.3.5. A Market Participant, other than ~~Verve Energy~~Synergy in respect of the ~~Verve Energy~~ Balancing Portfolio, must make a new Balancing Submission within 30 minutes of the end of the Trading Interval in which the information is published under clause 7B.3.4(e) as follows:

...

...

7A.4. ~~Verve Energy~~Synergy – Stand Alone Facilities

7A.4.1. ~~Verve Energy~~Synergy may, at any time, nominate one of its Scheduled Generators or Non-Scheduled Generators~~Registered Facilities~~ to be trialled as a Stand Alone Facility by providing notice to the IMO in the prescribed form.

7A.4.2. Subject to clause 7A.4.3, the IMO must, as soon as reasonably practicable after receiving the information specified in clause 7A.4.1:

...

- (e) notify ~~Verve Energy~~Synergy of the IMO's decision and, at the same time, notify the Market of any further time allowed under clause 7A.4.2(c).

7A.4.4. If the IMO notifies ~~Verve Energy~~Synergy that it accepts the nomination of the Stand Alone Facility for a trial, then:

- (a) the IMO must notify ~~Verve Energy~~Synergy of the Trading Day from which the trial of the nominated Stand Alone Facility will commence;
- (b) subject to clause 7A.4.4(d), ~~Verve Energy~~Synergy may trial the nominated Stand Alone Facility for a period of one month for the purposes of participating in the Balancing Market in accordance with this Chapter 7A;
- (c) seven Business Days before the end of that month ~~Verve Energy~~Synergy must notify the IMO whether it wishes the nominated Stand Alone Facility to:
 - i. cease being a Stand Alone Facility and to form part of the ~~Verve Energy~~Balancing Portfolio; or
 - ii. permanently become a Stand Alone Facility; and
- (d) the nominated Stand Alone Facility will be treated as a Stand Alone Facility until it becomes a permanent Stand Alone Facility under clause 7A.4.9 or the trial ceases under clause 7A.4.8.

7A.4.5. If ~~Verve Energy~~Synergy provides a notice under clause 7A.4.4(c)(i), then the IMO must notify ~~Verve Energy~~Synergy of the time and date from which the nominated Stand Alone Facility will cease to be treated as a Stand Alone Facility.

7A.4.6. If ~~Verve Energy~~Synergy provides a notice under clause 7A.4.4(c)(ii), then the IMO must:

...

- (d) notify ~~Verve Energy~~Synergy of the IMO's decision and the reasons for that decision.

...

7A.4.8. If the IMO notifies ~~Verve Energy~~Synergy that the nominated Stand Alone Facility is not to permanently become a Stand Alone Facility the nominated Stand Alone Facility will cease to be treated as a Stand Alone Facility from the time and date specified by the IMO in the notice to ~~Verve Energy~~Synergy.

7A.4.9. The nominated Stand Alone Facility permanently becomes a Stand Alone Facility if the IMO notifies ~~Verve Energy~~Synergy that it is to permanently become a Stand Alone Facility.

...

7B.2.1. A Market Participant may submit an LFAS Submission:

- (a) in accordance with clause 7B.2.7 in respect of any of its LFAS Facilities, other than the ~~Verve Energy~~ Balancing Portfolio;
 - (b) for any or all Trading Intervals in the Balancing Horizon; and
 - (c) before LFAS Gate Closure for those Trading Intervals.
- 7B.2.2. A Market Participant may submit a new, updated LFAS Submission:
- (a) in accordance with clause 7B.2.7 in respect of any of its LFAS Facilities, other than the ~~Verve Energy~~ Balancing Portfolio;
 - (b) for one or more Trading Intervals in the Balancing Horizon; and
 - (c) before LFAS Gate Closure for those Trading Intervals.
- 7B.2.3. Subject to clause 7B.2.5, ~~Verve Energy~~Synergy must immediately before 6:00 PM submit an LFAS Submission, for one or more Trading Intervals in the Balancing Horizon for which LFAS Gate Closure has not occurred, by submitting it to the IMO in accordance with clauses 7B.2.6 and 7B.2.7.
- 7B.2.4. Subject to clause 7B.2.5, ~~Verve Energy~~Synergy may submit or update an LFAS Submission, for one or more Trading Intervals in the Balancing Horizon for which LFAS Gate Closure has not occurred, by submitting it to the IMO:
- (a) in accordance with clauses 7B.2.5 and 7B.2.7; and
 - (b) at the time it submits an updated Balancing Portfolio Supply Curve under clause 7A.2.9(d).
- 7B.2.5. ~~Verve Energy~~Synergy must ensure that, for each Trading Interval for which it has made LFAS Submissions under this Chapter 7B, the sum of the MW quantities contained in those LFAS Submissions equals at least the latest forecast LFAS Quantity for that Trading Interval published under clause 7B.3.15(b), if any.
- 7B.2.6. ~~Verve Energy~~Synergy, in its LFAS Submission for the ~~Verve Energy~~ Balancing Portfolio, must include a cost per MW for providing any Upwards LFAS Backup Enablement and for providing any Downwards LFAS Backup Enablement for each Trading Interval in the Balancing Horizon.
- ...
- 7B.3.7. Where the IMO is unable to publish an LFAS Merit Order for a Trading Interval in accordance with clause 7B.3.4(d), System Management must use ~~the Registered~~Synergy's LFAS Facilities of ~~Verve Energy~~ to provide LFAS for that Trading Interval.
- ...
- 7B.4 ~~Verve Energy~~Synergy – Back Up LFAS Provider**
- 7B.4.1. Where:

- (a) an LFAS Facility has failed to provide all or part of its LFAS when called upon to do so by System Management in accordance with clause 7B.3.6 or 7B.3.8; or
- (b) the quantity of LFAS in a Trading Interval required by System Management is greater than the most recent LFAS Quantity published under clause (b) for that Trading Interval,

System Management may use the ~~Verve Energy~~ Balancing Portfolio or a Stand Alone Facility, to provide the LFAS Quantity Balance and/or the Increased LFAS Quantity, as applicable.

7B.4.2. Where System Management has used the ~~Verve Energy~~ Balancing Portfolio or a Stand Alone Facility to provide LFAS under clause 7B.3.7 or 7B.4.1 in a Trading Interval, System Management must, as soon as reasonably practicable, advise the IMO of the Facilities which provided the LFAS and the quantity, in MW, of LFAS which was provided by the Facility in the Trading Interval.

...

9.8.1. The Balancing settlement amount for Market Participant p for Trading Interval t of Trading Day d is:

$$\text{BSA}(p,d,t) = \text{Balancing Price}(d,t) \times \text{MBQ}(p,d,t) + \text{CONC}(p,d,t) + \text{COFFC}(p,d,t) + \text{DIP}(p,d,t).$$

Where:

MBQ(p,d,t) is the Metered Balancing Quantity for Market Participant p for Trading Interval t of Trading Day d calculated in accordance with clause 6.17.2;

Balancing Price (d,t) is the Balancing Price for Trading Interval t of Trading Day d calculated in accordance with clause 7A.3.10;

CONC(p,d,t) is the Constrained On Compensation for Market Participant p for Trading Interval t of Trading Day d. For a Market Participant other than ~~Verve Energy~~ Synergy, CONC(p,d,t) is the sum of all ConQN x ConPN for each of the Market Participant's Scheduled Generators and Non-Scheduled Generators for Trading Interval t. For ~~Verve Energy~~ Synergy, CONC(p,d,t) is the sum of all PConQN x PConPN plus the sum of all ConQN x ConPN for each Stand Alone Facility for Trading Interval t, where ConQN, ConPN, PConQN and PConPN are calculated in accordance with clause 6.17;

COFFC(p,d,t) is the Constrained Off Compensation for Market Participant p for Trading Interval t of Trading Day d. For a Market Participant other than ~~Verve Energy~~ Synergy, COFFC(p,d,t) is the sum of all CoffQN x CoffPN for each of the Market Participant's Scheduled Generators and Non-Scheduled Generators for Trading Interval t. For ~~Verve Energy~~ Synergy, COFFC(p,d,t) is the sum of all PCoffQN x PCoffPN plus the sum of all CoffQN x CoffPN for each Stand Alone Facility for Trading

Interval t, where CoffQN, CoffPN, PCoffQN and PCoffPN are calculated in accordance with clause 6.17; and

...

- 9.9.1. The Ancillary Service settlement amount for Market Participant p for Trading Month m is:

$$\begin{aligned} \text{ASSA}(p,m) = & \text{Verve Energy Synergy AS Provider Payment}(p,m) \\ & + \text{ASP_Payment}(p,m) \\ & + \text{LF_Market_Payment}(p,m) \\ & - \text{LF_Capacity_Cost_Share}(p,m) \\ & - \text{LF_Market_Cost_Share}(p,m) \\ & - \text{SR_Availability_Cost_Share}(p,m) \\ & - \text{Consumption_Share}(p,m) \times \text{Cost_LRD}(m) \end{aligned}$$

Where

$$\begin{aligned} \text{the Verve Energy Synergy AS Provider Payment}(p,m) = & \\ & 0 \text{ if Market Participant } p \text{ is not Verve Energy Synergy and} \\ & (\text{SR_Availability_Payment}(m) + \text{Cost_LRD}(m) \\ & - \text{ASP_Balance_Payment}(m)) \text{ otherwise;} \end{aligned}$$

...

- 9.9.2. The following terms relate to Load Following Service and Spinning Reserve Service costs in Trading Month m:

...

Where

...

LF_Up_Backup(p,t) is the sum of any Upwards LFAS Backup Enablement quantities for Trading Interval t if Market Participant p is Verve Energy Synergy and 0 otherwise;

LF_Up_Backup_Price(p,t) is the Backup Upwards LFAS Price for Trading Interval t if Market Participant p is Verve Energy Synergy and 0 otherwise;

...

LF_Down_Backup(p,t) is the sum of any Downwards LFAS Backup Enablement quantities for Trading Interval t if Market Participant p is Verve Energy Synergy and 0 otherwise;

LF_Down_Backup_Price(p,t) is the Backup Downwards LFAS Price for Trading Interval t if Market Participant p is Verve Energy Synergy and 0 otherwise;

...

...

- 9.18.3. A Non-STEM Settlement Statement must contain the following information:

...

(c) for each Trading Interval of each Trading Day:

...

v. the meter reading for each Registered Facility associated with the Market Participant ~~and to which clause 9.18.3(c)(vii) is not applicable;~~

vi. ~~[Blank] in the case of Verve Energy, the total quantity of energy deemed to have been supplied by Verve Energy's Registered Facilities;~~

vii. in the case of Synergy;

1. Notional Wholesale Meter values; and

2. the total quantity of energy deemed to have been supplied by its Registered Facilities;

...

...

10.5.1. The IMO must set the class of confidentiality status for the following information under clause 10.2.1, as Public and the IMO must make each item of information available from the Market Web Site after that item of information becomes available to the IMO:

...

(h) for each Trading Interval in each completed Trading Day in the previous 12 calendar months:

i. the sum of the Metered Schedule generation for Scheduled Generators and Non-Scheduled Generators registered to ~~Verve Energy~~Synergy;

ii. the sum of the Metered Schedule generation for Scheduled Generators and Non-Scheduled Generators registered to Market Participants other than ~~Verve Energy~~Synergy; and

iii. the sum of the Resource Plan schedule generation for Scheduled Generators and Non-Scheduled Generators registered to Market Participants other than ~~Verve Energy~~Synergy;

...

(vA) reports providing the MWh of non-compliance of ~~Verve Energy~~Synergy by Trading Interval, as specified by System Management in accordance with clause 7.13.1A(a), for each Trading Month which has been settled;

...

10.8.2. The IMO must set the class of confidentiality status for all ~~Verve Energy~~Synergy information specified in clause 7.6A as Rule Participant Dispatch Restricted

Information with the exception of information specified by ~~Verve Energy~~Synergy under clauses 7.6A.2(g) and 7.6A.3(c).

...

11 Glossary

...

Backup Downwards LFAS Price: Means the cost referred to in clause 7B.2.6 for ~~Verve Energy~~Synergy providing Downwards LFAS Backup Enablement.

Backup Upwards LFAS Price: Means the cost referred to in clause 7B.2.6 for ~~Verve Energy~~Synergy providing Upwards LFAS Backup Enablement.

...

Balancing Facility: Means:

- (a) for a Market Generator other than ~~Verve Energy~~Synergy:
 - i. each of its Scheduled Generators; and
 - ii. each of its Non-Scheduled Generators; and
- (b) each Stand Alone Facility.

...

Balancing Market: Means the market operated under Chapter 7A in which Facilities, including the ~~Verve Energy~~ Balancing Portfolio as a single Facility, can manage their contractual positions and meet supply and consumption deviations from contracted bilateral and STEM positions in each Trading Interval.

...

Balancing Portfolio: Means Synergy's Registered Facilities other than:

- (a) Stand Alone Facilities;
- (b) Demand Side Programmes;
- (c) Dispatchable Loads; and
- (d) Interruptible Loads.

Balancing Portfolio Supply Curve: Means a ranking of the Balancing Price-Quantity Pairs provided for the Balancing Portfolio.

...

Balancing Price-Quantity Pair: Means

...

- (c) for the ~~Verve Energy~~ Balancing Portfolio, the specified MW quantity at which ~~Verve Energy~~ Synergy is prepared to have the ~~Verve Energy~~ Balancing Portfolio dispatched at as at the end of a Trading Interval and the Loss Factor Adjusted Price, in \$/MWh, at which ~~Verve Energy~~ Synergy is prepared to provide from the sum of all of its Sent Out Capacity for each Facility in the ~~Verve Energy~~ Balancing Portfolio by the end of the Trading Interval.

Balancing Portfolio Supply Curve: Means a ranking of the ~~Balancing Price-Quantity Pairs~~ provided for the ~~Verve Energy~~ Balancing Portfolio.

...

Balancing Submission: Means:

- (a) for a Balancing Facility, other than the ~~Verve Energy~~ Balancing Portfolio, that is:
- i. a Scheduled Generator, for each Trading Interval or Trading Intervals, a ranking of Balancing Price-Quantity Pairs for each MW of its Sent Out Capacity from zero capacity to the maximum Sent Out Capacity, together with associated Ramp Rate Limit for each Trading Interval; and
 - ii. a Non-Scheduled Generator, for each Trading Interval or Trading Intervals, the Market Generator's best estimate of the quantity for the Balancing Price-Quantity Pair, in MW, the Facility is able to reduce its output, together with the associated Ramp Rate Limit for each Trading Interval; and
- (b) for the ~~Verve Energy~~ Balancing Portfolio, the Balancing Portfolio Supply Curve together with the Portfolio Ramp Rate Limit.

...

Dispatch Order: Means an instruction by System Management under clause 7.6A for a Facility or Facilities in the ~~Verve Energy~~ Balancing Portfolio to vary output or consumption from the Dispatch Plan.

Dispatch Plan: Means the schedule of energy and Ancillary Services to be provided, or to be available to be provided on request, by the Facilities of ~~Verve Energy~~ Synergy in the ~~Verve Energy~~ Balancing Portfolio, during a Trading Day, where these schedules may be revised by System Management during the course of the corresponding Scheduling Day and the Trading Day.

...

Downwards LFAS Backup Enablement: Means for a Synergy LFAS Facility, the capacity, in MW, ~~of a Registered Facility of Verve Energy~~ which System Management has activated under clause 7B.4.1 in a Trading Interval to compensate for a shortfall in Downwards LFAS Enablement and which has been notified to the IMO under clause 7B.4.2.

Downwards LFAS Enablement: Means, for an LFAS Facility, the capacity, or that part of the capacity, in MW, in an LFAS Downwards Price-Quantity Pair selected under clause 7B.3.4(c) which is associated with that Facility or with the ~~Verve Energy~~ Balancing Portfolio, as applicable.

...

LFAS Facility: Means:

- (a) a Stand Alone Facility, or Scheduled Generator or Non-Scheduled Generator registered to a Market Participant other than ~~Verve Energy~~ Synergy, for which:
 - i. the relevant Market Participant has indicated in Appendix 1(j)(i) of Standing Data is intended to participate in the LFAS Market; and
 - ii. LFAS Standing Data has been accepted by the IMO; or
- (b) the ~~Verve Energy~~ Balancing Portfolio.

...

LFAS Submission: Means:

...

- (b) for the ~~Verve Energy~~ Balancing Portfolio for a Trading Interval or Trading Intervals, a ranking of LFAS Price-Quantity Pairs for each MW of capacity which the Market Participant wants to offer for LFAS for each Trading Interval.

...

Load Rejection Reserve Event: Means an event which causes a Facility in the ~~Verve Energy~~ Balancing Portfolio, which System Management has instructed to provide Load Rejection Reserve Service, to provide a Load Rejection Reserve Response.

...

Loss Factor: Means:

...

- (b) in relation to the ~~Verve Energy~~ Balancing Portfolio, the Portfolio Loss Factor.

...

Non-Balancing Dispatch Merit Order: An ordered list of ~~Scheduled Generators~~, Demand Side Programmes and Dispatchable Loads registered by Market Participants, ~~other than Verve Energy~~, and determined by the IMO in accordance with clause 6.12.1.

...

Operating Instruction: Means an instruction issued by System Management requiring a Facility to increase or decrease its output or decrease its consumption to meet the requirements of:

- (a) a Network Control Service Contract;
- (b) an Ancillary Service Contract;
- (c) a Test under these Market Rules;
- (d) a Supplementary Capacity Contract; or
- (e) Ancillary Services, other than LFAS but including LFAS Backup Enablement, to be provided by Facilities other than Facilities in the ~~Verve Energy~~ Balancing Portfolio.

...

Portfolio Loss Factor: For each Trading Interval = $\text{sum}(\text{Facility}(i) \text{ Sent Out Metered Schedule} \times \text{Loss Factor } (i)) / \text{sum}(\text{Facility } (i) \text{ Sent Out Metered Schedule})$ for all Facilities in the ~~Verve Energy~~ Balancing Portfolio.

Portfolio Ramp Rate Limit: Means ~~Verve Energy's~~ Synergy's best estimate, in MW per minute, on a linear basis, of the ~~Verve Energy~~ Balancing Portfolio's physical ability to increase or decrease its output from the commencement of a Trading Interval.

...

Sent Out Capacity: Means:

- (a) for a Balancing Facility, other than the ~~Verve Energy~~ Balancing Portfolio, that is:
 - i. a Scheduled Generator, the capacity provided as the Standing Data in Appendix 1(b)(iii); and
 - ii. a Non-Scheduled Generator, the capacity provided as the Standing Data in Appendix 1(e)(iiiA); and
- (b) for the ~~Verve Energy~~ Balancing Portfolio, the sum of all of the Standing Data in Appendix 1(b)(iii) and Appendix 1(e)(iiiA) for each Facility in the ~~Verve Energy~~ Balancing Portfolio.

...

Spinning Reserve Event: Means an event which causes a Facility in the ~~Verve Energy~~ Balancing Portfolio, which System Management has instructed to provide Spinning Reserve Service, to provide a Spinning Reserve Response.

...

Stand Alone Facility: Means a ~~Facility~~ Scheduled Generator or Non-Scheduled Generator that is accepted by the IMO under clause 7A.4 as a stand alone facility.

...

Synergy: The body corporate established under section 4(1)(ea) of the Electricity Corporations Act.

Upwards LFAS Backup Enablement: Means for a Synergy LFAS Facility, the capacity, in MW, ~~of a Registered Facility of Verve Energy~~ which System Management has activated under clause 7B.4.1 in a Trading Interval to compensate for a shortfall in Upwards LFAS Enablement, and which has been notified to the IMO under clause 7B.4.2.

Upwards LFAS Enablement: Means, for an LFAS Facility, the capacity, or that part of the capacity, in MW, in an LFAS Upwards Price-Quantity Pair selected under clause 7B.3.4(b) which is associated with that Facility or with the ~~Verve Energy~~ Balancing Portfolio, as applicable.

...

~~**Verve Energy:** Means the body corporate established by section 4(1)(a) of the Electricity Corporations Act.~~

~~**Verve Energy Balancing Portfolio:** Means all the Registered Facilities of Verve Energy other than Stand Alone Facilities.~~

...

Appendix 1: Standing Data

...

(h) for a Demand Side Programme:

...

vi. for a Demand Side Programme that is registered to a Market Participant ~~other than Verve Energy~~, data comprising:

...

...

(i) for a Dispatchable Load:

...

xA. for a facility that is registered to a Market Participant ~~other than Verve Energy~~, data comprising:

...

...

...

Appendix 2: Spinning Reserve Cost Allocation

...

For the purpose of determining the SR_Share (p,t) values, each applicable facility f has an applicable capacity associated with it for Trading Interval t.

...

- If facility f is a ~~Verve Energy~~Synergy Intermittent Generator without an interval meter then this is double the average monthly MWh sent out generation of that facility based on SCADA data over the Trading Month containing Trading Interval t.
- If facility f is a ~~Verve Energy~~Synergy Scheduled Generator without an interval meter or an unmetered generation system serving Intermittent Load then this is double the MWh sent out generation of that facility based on SCADA data for Trading Interval t.

...

Appendix 9: Relevant Level Determination

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Determining Existing Facility Load for Scheduled Generation

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Step 3: For each Candidate Facility, identify any Trading Intervals in the period identified in step 1(b) where:

- (a) the Facility, other than a Facility in the ~~Verve Energy~~ Balancing Portfolio, was directed to restrict its output under a Dispatch Instruction as provided in a schedule under clause 7.13.1(c); or
- (b) the Facility, if in the ~~Verve Energy~~ Balancing Portfolio, was instructed by System Management to deviate from its Dispatch Plan or change its commitment or output as provided in a schedule under clause 7.13.1C(d); or
- (c) was affected by a Consequential Outage as notified by System Management to the IMO under clause 7.13.1A.

...