

Governing Document Section	Sub-section(s)	Sub-section Description	Revision Description
OA Schedule 1 Sec. 3.2.3 – Energy Uplift	(e-1)	Describes the calculation of the Tracking Ramp Limited Desired MW metric.	– Inclusion of down ramp reserve products in the calculation of the adjusted tracking metric – Renaming of terms to be consistent with the new reserve sections – Opportunity Cost Owed has been renamed Company Responsible Negative Reserve Revenues
OA Schedule 1 Sec. 3.2.3 – Energy Uplift	(e-2)	Describes the 3-step calculation of Energy Uplift, as recently revised through the Balancing Operating Reserve Credit Reform effort and approved by FERC for implementation in 2027.	– Inclusion of revenues from the new reserve markets in the Other Market Revenues that offset the energy uplift calculation – Renaming of terms to be consistent with the new reserve sections – Inclusion of reserve availability and non-performance charges in the Step 2 Energy Uplift calculation (uplift needed based on how the resource actually operated), but limited to the amount of charges that take the total reserve revenues for the affected market to zero so that any charges beyond the revenue received are excluded. – <i>Note that these charges are NOT included in the Step 1 Energy Uplift calculation (uplift needed based on how the resource was expected to operate). Step 3 of the Energy Uplift calculation limits the amount of uplift paid to the lesser of the uplift calculated in Steps 1 and 2.</i>
OA Schedule 1	(o)	Describes the calculation of generator deviations for the	– Updates to the exemptions from generator deviations based on: ○ Secondary Reserve service no longer being provided by resources that are online and able to follow SCED dispatch

Sec. 3.2.3 – Energy Uplift		purposes of assessing energy uplift charges.	○ Removal of the Non-Synchronized Reserve product
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(a)	Describes responsibility to pay Synchronized Reserve charges	– Clean up / streamlining of wording – Removal of bilateral transactions – Responsibility for exports to pay for reserves, along with load – Moving the charge to a 5-minute level given, unlike reported load, exports are not static for an hour.
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(d)	Describes the Synchronized Reserve Locational Clearing Prices.	– Removal of duplicative language on reserve clearing prices and reference to corresponding language in Sec. 2.
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(e)	Describes how lost opportunity cost is reflected in reserve market clearing prices.	– Removal of language related to endogenously calculated lost opportunity cost for resources providing reserves as the co-optimization is discussed in Sec. 2.
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(f)	Described how the lost opportunity cost credits are calculated for each resource providing Synchronized Reserve.	– Sub-section was removed as it was superseded by a new section describing a unified lost opportunity cost credit calculation that is performed across all reserve market assignments. – See new ‘Reserve Market Uplift Credits’ section in 3.2.3A.03.

OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(h)	Describes how Synchronized Reserve Lost Opportunity Cost Credits are allocated as charges to load	– This section was repurposed to indicate that load with a Synchronized Reserve Obligation will have an obligation to pay Reserve Market Uplift Charges. The details on the exact allocation of the charges have been moved to the new Reserve Market Uplift section (3.2.3A.03(j)).
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(j)	Describes how the non-performance charges for Synchronized Reserve non-performance are calculated as well as how the credits are allocated.	– Updated to reflect the new non-performance charges – Updated to reflect that credits will be interval based (rather than hourly) to reflect the inclusion of exports – Updated to reflect removal of the reserve sub-zone under the new locational design
OA Schedule 1 Sec. 3.2.3A – Synchronized Reserves	(m)	New section describing the unavailability charges for Synchronized Reserve	– Added to reflect the unavailability charges for resources that fail to follow PJM dispatch instructions and thereby don't maintain availability to provide assigned reserves – Detailed allocation of unavailability charges as credits to load plus exports.
OA Schedule 1 Sec. 3.2.3A.001 – 10-minute Ramp and Uncertainty Reserve Up	(a-h)	This section formerly addressed Non-Synchronized Reserve and now addresses 10-minute Ramp and Uncertainty Reserve Up	– New language addresses rules for 10-minute Ramp and Uncertainty Reserve Up, parallel to the provisions for Synchronized Reserve in the previous section. This includes: ○ Reserve obligation ○ Reserve credits ○ Reserve clearing prices ○ Non-availability charges
OA Schedule 1 Sec. 3.2.3A.002 –	(a-e)	This is a new section that addresses rules for 10-minute	– New language addresses rules for 10-minute Ramp and Uncertainty Reserve Down, parallel to the provisions for other reserves in the previous sections. This includes:

10-minute Ramp and Uncertainty Reserve Down		Ramp and Uncertainty Reserve Down	○ Reserve obligation ○ Reserve credits ○ Reserve clearing prices ○ Non-availability charges
OA Schedule 1 Sec. 3.2.3A.003 – 30-minute Ramp and Uncertainty Reserve	(a-e)	This is a new section that addresses rules for 30-minute Ramp and Uncertainty Reserve	– New language addresses rules for 30-minute Ramp and Uncertainty Reserve, parallel to the provisions for other reserves in the previous sections. This includes: ○ Reserve obligation ○ Reserve credits ○ Reserve clearing prices ○ Non-availability charges
OA Schedule 1 Sec. 3.2.3A.004 – 30-minute Ramp and Uncertainty Reserve	(a-f)	This is a new section that addresses rules for 30-minute Ramp and Uncertainty Reserve	– New language addresses rules for 30-minute Ramp and Uncertainty Reserve, parallel to the provisions for other reserves in the previous sections. This includes: ○ Reserve obligation ○ Reserve credits ○ Reserve clearing prices ○ Non-performance charges ○ Non-availability charges
OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(a)	Describes responsibility to pay Secondary Reserve charges	– Clean up / streamlining of wording – Removal of bilateral transactions – Responsibility for exports to pay for reserves, along with load – Moving the charge to a 5-minute level given, unlike reported load, exports are not static for an hour.

OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(d)	Describes the Secondary Reserve Locational Clearing Prices.	– Removal of duplicative language on reserve clearing prices and reference to corresponding language in Sec. 2.
OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(e)	Described how lost opportunity cost is reflected in reserve market clearing prices.	– Removal of this section as the co-optimization of energy and reserve (and the lost opportunity cost implicit therein) is discussed in Sec. 2.
OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(f)	Described how the lost opportunity cost credits are calculated for each resource providing Secondary Reserve.	– Sub-section was removed as it was superseded by a new section describing a unified lost opportunity cost credit calculation that is performed across all reserve market assignments. – See new ‘Reserve Market Uplift Credits’ section in 3.2.3A.03.
OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(g)	Describes how Secondary Reserve Lost Opportunity Cost Credits are allocated as charges to load	– This section was repurposed to indicate that load with a Secondary Reserve Obligation will have an obligation to pay Reserve Market Uplift Charges. The details on the exact allocation of the charges have been moved to the new Reserve Market Uplift section (3.2.3A.03(j)).
OA Schedule 1 Sec. 3.2.3A.01 – Secondary Reserve	(h)	Describes the performance assessment and non-performance charges for resources assigned Secondary Reserves	- Updated to reflect the new non-performance charges that will be assessed - Language added to address how non-performance charges will be allocated as credits
OA Schedule 1 Sec. 3.2.3A.01 –	(a-f)	Describes the Operating Reserve Demand Curves (ORDCs) for each reserve	– Updated to reflect the new ORDC design for each reserve service as follows: (a) Synchronized Reserve (b) 10-minute Ramp and Uncertainty Reserve Up

Operating Reserve Demand Curves		service under the market design	(c) 10-minute Ramp and Uncertainty Reserve Down (d) 30-minute Ramp and Uncertainty Reserve (e) 30-minute Reserve (f) Day-Ahead Scheduling Reserve
OA Schedule 1 Sec. 3.2.3A.03 – Reserve Market Uplift		Describes the new reserve uplift credit which makes resources whole for forgone energy market revenues and buying out of the day-ahead reserve market position	New section – replaces the Lost Opportunity Cost Credit calculations that were in individual Synchronized Reserve and Secondary Reserve sections of OA, Schedule 1, Section 3.2. Reserve market Lost Opportunity Cost Credits have been renamed Reserve Market Uplift Credits.
OA Schedule 1 Sec. 3.2.3A.03 – Reserve Market Uplift	(a)	Describes eligibility for the reserve market uplift credit as well as the high-level calculation	Resources are eligible for reserve market uplift credits when pool-scheduled in one or more of the following markets: Synchronized Reserve, 10-minute Ramp and Uncertainty Reserve Up, 10-minute Ramp and Uncertainty Reserve Down, 30-minute Ramp and Uncertainty Reserve and/or Secondary Reserve The total costs across these markets are compared to the total revenues across these same markets to determine if a reserve market uplift credit is needed. Reserve market uplift is no longer calculated individually for each reserve market. It is a single calculation covering a resource's assignment across all the above reserve markets.
OA Schedule 1 Sec. 3.2.3A.03 – Reserve Market Uplift	(b) – (e)	Describes the costs that are included in the reserve market uplift calculation	Describes the following cost components included in reserve market uplift: - Reserve market offer - Condensing Costs - Real-time Opportunity Costs - Additional DA Buy Out Cost (as an offset to Real-time Opportunity Costs)

Commented [LM1]: 60-minute Reserve is omitted from this list since it is a day-ahead only product. We are not paying for day-ahead opportunity costs and this product also has no day-ahead buy out at RT prices, so there is no need for reserve uplift to cover 60-minute reserve costs.

OA Schedule 1 Sec. 3.2.3A.03 – Reserve Market Uplift	(f) – (i)	Describes the reserve market revenues considered in the reserve market uplift calculation	Describes the following cost components included in reserve market uplift: - Day-ahead reserve locational clearing price credits - Balancing reserve locational clearing price credits - Market Revenue Neutrality Offset (as an offset to any negative balancing reserve locational clearing price credits) - o Calculation remains largely the same as status quo - o Updated the triggers for being disqualified from the Market Revenue Neutrality Offset based on the addition of new reserve products and the changes in the reserve market rules. - Company Responsible Negative Reserve Revenues (as an offset to any negative balancing reserve locational clearing price credits) - o This is a renaming of the Opportunity Cost Owed term used in the current tariff
OA Schedule 1 Sec. 3.2.3A.03 – Reserve Market Uplift	(j)	Describes the allocation of reserve market uplift charges	Allocates the reserve market uplift charges to participants with an obligation in the following markets on a pro rata basis: Synchronized Reserve (using Synchronized Reserve Purchases (same as status quo)), 10-minute Ramp and Uncertainty Reserve Up, 10-minute Ramp and Uncertainty Reserve Down, 30-minute Ramp and Uncertainty Reserve and/or Secondary Reserve
OA Schedule 1 Sec. 3.2.3B – Reactive Services	(g)	Describes how hydroelectric resources providing reactive services are compensated for lost opportunity cost.	Removal of the reference to OA Schedule 1 Sec. 3.2.3A(f) as this language is no longer applicable for the Secondary Reserve product.
OA Schedule 1 Sec. 3.2.3B – Reactive Services	(i)	Describes rules for how resources providing reactive services are counted for also providing Synchronized Reserve.	Updated the terminology related to the Synchronized Reserve Locational Clearing Pricing.
OA Schedule 1 Sec. 3.2.3C	(b)	Describes rules for synchronous condensers	Updated the terminology related to the Synchronized Reserve Locational Clearing Pricing.

Commented [LM2]: 60-minute Reserve is omitted from this list since it is a day-ahead only product. We are not paying for day-ahead opportunity costs and this product also has no day-ahead buy out at RT prices, so there is no need for reserve uplift to cover 60-minute reserve costs.

– Synchronous Condensing for Post-Contingency Operation		providing Synchronized Reserve.	
OA Schedule 1 Sec. 3.2.3C – Synchronous Condensing for Post-Contingency Operation	(a)	Describes the rules for how offers from resources providing Emergency energy are capped for the purposes of setting Locational Marginal Prices	– Removes the reference to the Primary Reserve Requirement Replaces the reference to the Synchronized Reserve Penalty Factor with a reference to the maximum price on the Synchronized Reserve Operating Reserve Demand Curve
OATT Schedule 5 – Operating Reserve		Formerly titled “Operating Reserve – Synchronized Reserve Service”	Updated to cover PJM’s broader set of reserve services and to reference the OA Schedule 1 provisions and parallel provisions in OATT Att K that deal with PJM’s reserve services.
OATT Schedule 6		Formerly titled “Operating Reserve – Supplemental Reserve Service”	Updated to reserve this Schedule for future use.