

CAISO Proposed DR Product Matrix Under MRTU

[Viewed from CAISO Business Rules & Policy Perspective]

Attribute	Reduction to Demand Forecast		CAISO Reliability Services		Emergency Response	
	Bid-in Demand (Non-Participating Load)	Bid-in Demand (Participating Load)	Non-spin (Participating Load)	Imbalance Energy (Participating Load)	Alert or Warning (Non-Participating Load)	Emergency (Non-Participating Load)
Resource Adequacy						
RA Qualifying Capacity ¹	Y	Y	Y	Y	Y	N
Bidding						
Bid Required	Y	Y	Y	Y	N	N
Bid Type ²³	Demand Curve	3-Part Bid Opt. A/S & RUC Bid	3-Part Bid A/S Capacity Bid	3-Part Bid	N/A	N/A
Bid Timing	DA	DA	DA/RT	DA/RT	N/A	N/A
Bid Interval	Hourly	Hourly	Hourly	Hourly	N/A	N/A
Scheduling						
Load Schedule Req'd ⁴	Y	Y	Y	Y	N	N
Load Schedule Timing	DA	DA	DA/RT	DA/RT	N/A	N/A
Procurement						
Interval	N/A	RUC Capacity procured by Hour	Cap- DA- Hrly; RT- 15 min Energy- 5-min	5-min	N/A	N/A
Dispatch						
Dispatched in RT by CAISO	N	Y	Y	Y	N	N
CAISO Dispatch Interval	N/A	If RUC'd, 5-min in RT as Imbalance Energy	5-min	5-min	N/A	N/A
Dispatched by Provider	Y	N	N	N	Y	Y
Coordination						
Coordinate with CAISO	Y	N	N	N	Y	Y
Settlement						
Explicit CAISO Settlement	Y	Y	Y	Y	N	N
Settled Price	LAP	LMP	Capacity- ASMP Energy- LMP	LMP	LAP	LAP
Existing LSE DR Programs						
Day-Ahead - heat rate, Alert Notice, or peak demand forecast trigger	Y	N/A	N/A	N/A	N/A	N/A
Day of Event	N	N/A	N/A	N/A	Y	Y

¹ See CAISO filing *Post Workshop Reply Comments of the California Independent System Operator Corporation on Resource Adequacy Phase 2, Track 1 Proposals*; R.05-12-013, April 20, 2007

² A 3-Part Bid means the equivalent of a start-up cost, min load, and energy bid; A/S= Ancillary Services; RUC= Residual Unit Commitment Capacity

³ A non-zero RUC capacity bid may be submitted for non-RA qualifying resources; RA qualifying resources must have a \$0 RUC capacity bid

⁴ Must have a basis load schedule to curtail from when dispatched

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Participation						
Release 1	Y	N	Y- w/work around	N	Y	Y
Post Release 1	Y	Y	Y	Y	Y	Y