## **CAISO Products**

Г Т			Market Impacts							CAISO Additional								
1							Day Ahead	Real Time		Bid / Scheduling	Locational	Settlement	Metering	Telemetry	Potential	Possible future	Market	File
CAISO Product	Registration	IFM	DA AS	RT AS	RUC	RT Not dispatchable by	Scarcity Pricing	Scarcity Pricing	Load Forecast	Requirement	Requirement	Requirements	Requirement*	Requirement	IT Impact**	enhancements	Simulation	Chang
						CAISO (excluding Base												
1						Interruptible Load	Indirect											
1						Program) but	Mitigation	Indirect										
1						dispatchable by LSE	Frees up non-RA	Mitigation										
1						Can not directly	resources to	Reduces both the										
1		INDIDEOT	NO		YES	participate in RT	submit AS bids	energy and AS										
1		INDIRECT If program(s) executed,	Can not bid in AS Market.		CAISO will manually reduce	Market. But can increases	(RA resources already incl. as	requirements. Impact on AS	Net DR Load		Default Load							
1		spreadsheet will be sent	Increase available		RUC requirement.	available supply by load	part of AS must-	supply is still being	Reduction by		Aggregating							No
Non-PL DR Reporting	N/A	by 10am.	supply for AS Market	NO	No bid in RUC	reduction.	offer req.)	evaluated.	Default LAP	Spreadsheet	Point (DLAP)	DLAP	NO	NO	Low			Change
						Not dispatchable by	Indirect											
						CAISO but dispatchable	Mitigation	Indirect										
						by LSE	Frees up non-RA	Mitigation										
						Can not directly	resources to	Reduces both the										
		YES Reduce Load with Price	NO Can not bid in AS		YES CAISO will	participate in RT Market.	submit AS bids	energy and AS										
		Trigger.	Market.		manually reduce	But can increases	(RA resources already incl. as	requirements. Impact on AS	Net DR Load		Sub Load							
Proxy DR		Increases available	Increase available		RUC requirement.	available supply by load	part of AS must-	supply is still being	Reduction by Sub	Bid Net DR as a	Aggregation							
- R1	Certification	supply.	supply for AS Market	NO	No bid in RUC	reduction.	offer reg.)	evaluated.	LAP(s) or finer	Proxy Generation	Point	DLAP	NO	NO	Medium			Change
							Non AS:											
							Indirect											
							Mitigation	Indirect										
		No. 40	Non AS:				Frees up non-RA	Mitigation										
		Non AS: YES	NON AS:				resources to submit AS bids	Reduces both the energy and AS										
		Reduce Load with Price	Can not bid in AS				(RA resources	requirements.										
		Trigger.	Market.				already incl. as	Impact on AS										
		Increases available	Increase available				part of must-offer							Non-AS:				
		supply.	supply for AS Market				req.)	evaluated.						NO				Change
		AS:	AS:						Separate Gross									
		YES	YES		YES CAISO will				Load Forecast for		Node or							
1		Reduces MW	Can participate in AS		manually reduce	YES	AS - Pumps:	AS - Pumps:	PL Participants by Custom LAP.	Bid Gross Load	Custom Load							
PL DR (Release 1)		requirements for	Market		RUC requirement.	Can participate in RT	<b>Direct Mitigation</b>		DR reduction	with Energy	Aggregation			AS:				
	PL Agreement	Reserves.	(as pseudo generator)	NO	No bid in RUC	market	via DR AS bids.	via DR AS bids.	forecast	Curve	Point (CLAP)	Node or CLAP	YES	YES	High			Change
	Ŭ						Indirect								Ť			
							Mitigation	Indirect										
							Frees up non-RA	Mitigation										
		YES			YES		resources to submit AS bids	Reduces both the energy and AS										
		Reduce Load with Price			CAISO will		(RA resources	requirements.										
1		Trigger.	Desirable		manually reduce	YES	already incl. as	Impact on AS	Net DR Load		Sub Load	Sub Load						
Enhanced Proxy DR		Increases available	Can bid in as a "proxy		RUC requirement.	Can bid in as a "proxy	part of AS must-	supply is still being	Reduction by Sub		Aggregation	Aggregation	Yes (aggregated					
(Post Release 1)	Certification	supply.	generator"	NO	No bid in RUC	generator"	offer req.)	evaluated.	LAP(s) or finer	Bid Net DR	Point	Point desired	meter)	NO	Medium			Change
							Non AS:	N										
							Indirect	Non AS:										
1							Mitigation Frees up non-RA	Indirect Mitigation										
		Non AS:	Non AS:				resources to	Reduces both the					1	1				I
1		YES	NO NO				submit AS bids	energy and AS										
		Reduce Load with Price	Can not bid in AS				(RA resources	requirements.										
		Trigger.	Market.				already incl. as	Impact on AS										
		Increases available	Increase available				part of AS must-	supply is still						Non-AS:				
	PL Agreement	supply. AS:	supply for AS Market	NO			offer req.)	being evaluated.	Separate Gross					NO				-
		AS: YES	AS: YES		2/50		AS - More than	AS - More than	Load Forecast for									
1		Reduces MW	Can participate in AS		YES Will reduce RUC	YES	Pumps:	Pumps:	PL Participants by Custom LAP.	Bid Gross Load								
PL (MAP)		requirements for	Market	YES	requirement.	Can participate in RT	Direct Mitigation		DR reduction	with Energy				AS:				

\* Additional to the utility interval metering requirement. \*\* IT impact cannot be accurately determined until requirements are fully defined.

Working Draft - For Discussion Purposes Only