

CAISO Products

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

* Additional to the utility interval metering requirement.

** IT impact cannot be accurately determined until requirements are fully defined.