

Scenario 2: Small LSE, Independent CSP, One Hour, Day-Of Load
Lower Than Baseline

Assume:

1. LSE load is 100% included in PDR.
2. Perfect demand forecast and LSE schedules 100% forecast in DA market
3. PDR complies perfectly with schedule & dispatch
4. Prices: DA DLAP = \$50, RT DLAP = \$75, DA C-LAP = \$100, RT C-LAP = \$150
5. 10-in-10 baseline calculates hour at 1.5 MW; the "no cap" case assumes the adjusted baseline = the PDR actual performance (same as the cleared bid)

	-20% CAP APPLIED		NO CAP	
	LSE	PDR	LSE	PDR
DAY-AHEAD (DA) MARKET				
LSE's DA Demand Schedule				
Cleared DA Schedule (MW):	0.9		0.9	
LSE Owes CAISO (DA schedule x DA DLAP price) - although PDR portion not consumed, which requires outside settlement with customers providing DR resources:	\$45		\$45	
CSP's Operation in DA Market				
Dispatched Demand Reduction (MW) (cleared bid):		0.9		0.9
CAISO Owes CSP (adjusted bid x DA C-LAP price):		\$90		\$90
ACTUAL DATA IN REAL-TIME				
Day-Of Adjustment to 1.5 MW Baseline (MW):		1.2		0.9
LSE's Final Metered Demand -- Meter Read (MW):	0		0	
REAL-TIME (RT) SETTLEMENT-- UNINSTRUCTED DEVIATIONS				
Calculation of Uninstructed Deviation for LSE:				
LSE's DA Schedule (MW):	0.9		0.9	
PDR Performance (MW) (adj. baseline - meter reads):		1.2		0.9
LSE's Adjusted DA Schedule (MW) (LSE DA schedule - PDR):	-0.3		0	
LSE's Uninstructed Deviation (MW) (adjusted DA schedule - meter read) -- negative # means load underscheduled DA and positive overscheduled DA:	-0.3		0	
LSE Cost of Uninstructed Deviation at RT DLAP price (negative is payment to LSE):	\$23		0	
CSP's Uninstructed Deviation (MW) (CSP cleared bid DA - Adjusted Baseline):		-0.3		0
CSP Cost of Uninstructed Deviation at RT C-LAP price (negative is payment to CSP):		-\$45		\$0
FINAL CAISO SETTLEMENT TO LSE AND CSP				

LSE owes this amount to CAISO (DA Market Cost + Uninstructed Deviation Cost):	\$68		\$45	
CAISO owes this amount to CSP (DA Market Payment - Uninstructed Deviation Cost):		\$135		\$90
Percentage Change in LSE's Payment to CAISO When Cap Applied:	+50.0%			
Percentage Change in CAISO's Payment to CSP When Cap Applied:		+50.0%		