

PDR - Settlement Example

PDR Settlement Examples													6.6588
Effective Date	Registration	Resource	DRP	DRP's SC	LSE's SC	LSE Load Resource ID	Metered Load	10 day Avg Load	Morning Adj	Baseline	PDR Gen	DLA	
4/1/09 - 5/31/09	Reg1	PGEB_1_PDR01	DRP1	SC1	SC5	DLAP_PGAE_SC5	11.90	14.28	0.90	12.85	0.95	DLAP_PGAE_SC5	2.75
6/1/09 - 9/30/09	Reg2	PGEB_1_PDR01	DRP1	SC1	SC5	DLAP_PGAE_SC5	12.90	15.48	0.91	14.09	1.19	DLAP_PGAE_SC9	1.15
5/1/09 - 5/1/2020	Reg5	PRMN_6_PDR01	DRP2	SC1	SC9	DLAP_PGAE_SC9	9.00	10.80	0.94	10.15	1.15	DLAP_SCE1_SC2	1.57
4/1/09 - 9/1/09	Reg11	AMRG_1_PDR01	DRP3	SC2	SC5	DLAP_PGAE_SC5	9.00	10.80	1.00	10.80	1.80		
3/1/2009-3/1/2020	Reg13	ROSE_6_PDR01	DRP3	SC3	SC2	DLAP_SCE1_SC2	7.00	8.40	1.02	8.57	1.57		
Scenario 1 - Positive Deviation													
LSE													
LSE's SC	LSE Load Resource ID	DA Schedule	Metered Load	DLA	Adjusted Meter	UIE							
SC5	DLAP_PGAE_SC5	120	100	2.75	102.75	17.25							
SC9	DLAP_PGAE_SC9	100	150	1.15	151.15	-51.15							
SC2	DLAP_SCE1_SC2	110	125	1.57	126.57	-16.57							
Settlement Interval													
LSE's SC	LSE Load Resource ID	Trade Date	HE	Interval	DA Schedule	Price	Amount	CC					
SC5	DLAP_PGAE_SC5	5/1/2009	14	0	120	\$ 80.00	\$ (9,600.00)	6011					
LSE's SC	LSE Load Resource ID	Trade Date	HE	Interval	DA Schedule	Metered Load	DLA	Adjusted Meter	UIE	Price	Amount	CC	
SC5	DLAP_PGAE_SC5	5/1/2009	14	1	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
SC5	DLAP_PGAE_SC5	5/1/2009	14	2	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
SC5	DLAP_PGAE_SC5	5/1/2009	14	3	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
SC5	DLAP_PGAE_SC5	5/1/2009	14	4	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
SC5	DLAP_PGAE_SC5	5/1/2009	14	5	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
SC5	DLAP_PGAE_SC5	5/1/2009	14	6	20	16.66666667	0.4583333333	17.125	2.875	\$ 50.00	\$ (143.75)	6475	
					120	100	2.75	102.75	17.25	\$ 50.00	\$ (862.50)		
Scenario 2 - Negative Deviation													
LSE's SC	LSE Load Resource ID	Trade Date	HE	Interval	DA Schedule	Price	Amount	CC					
SC9	DLAP_PGAE_SC9	5/1/2009	14	0	100	\$ 80.00	\$ (8,000.00)	6011					
LSE's SC	LSE Load Resource ID	Trade Date	HE	Interval	DA Schedule	Metered Load	DLA	Adjusted Meter	UIE	Price	Amount	CC	
SC9	DLAP_PGAE_SC9	5/1/2009	14	1	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
SC9	DLAP_PGAE_SC9	5/1/2009	14	2	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
SC9	DLAP_PGAE_SC9	5/1/2009	14	3	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
SC9	DLAP_PGAE_SC9	5/1/2009	14	4	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
SC9	DLAP_PGAE_SC9	5/1/2009	14	5	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
SC9	DLAP_PGAE_SC9	5/1/2009	14	6	16.66666667	25	0.191666667	25.19166667	-8.525	\$ 50.00	\$ 426.25	6475	
					100	150	1.15	151.15	-51.15	\$ 50.00	\$ 2,557.50		
PDR													
PDR's SC	PDR Resource ID	Trade Date	HE	Interval	Cleared PDR in DA	Price	Amount	CC					
SC1	PGEB_1_PDR01	5/1/2009	14	0	3	80	\$ (240.00)	6011					
PDR's SC	PDR Resource ID	Trade Date	HE	Interval	RT Dispatch	Price	Amount	CC					
SC1	PGEB_1_PDR01	5/1/2009	14	1	0.16667	55	\$ (9.17)	6470					
SC1	PGEB_1_PDR01	5/1/2009	14	2	0.16667	55	\$ (9.17)	6470					
SC1	PGEB_1_PDR01	5/1/2009	14	3	0.16667	55	\$ (9.17)	6470					
SC1	PGEB_1_PDR01	5/1/2009	14	4	0.16667	55	\$ (9.17)	6470					
SC1	PGEB_1_PDR01	5/1/2009	14	5	0.16667	55	\$ (9.17)	6470					
SC1	PGEB_1_PDR01	5/1/2009	14	6	0.16667	55	\$ (9.17)	6470					
					1	55	\$ (55.00)						
PDR's SC	PDR Resource ID	Trade Date	HE	Interval	UIE	Price	Amount	CC					
SC1	PGEB_1_PDR01	5/1/2009	14	1	0.50833	50	\$ 25.42	6475					
SC1	PGEB_1_PDR01	5/1/2009	14	2	0.50833	50	\$ 25.42	6475					
SC1	PGEB_1_PDR01	5/1/2009	14	3	0.50833	50	\$ 25.42	6475					
SC1	PGEB_1_PDR01	5/1/2009	14	4	0.50833	50	\$ 25.42	6475					
SC1	PGEB_1_PDR01	5/1/2009	14	5	0.50833	50	\$ 25.42	6475					
SC1	PGEB_1_PDR01	5/1/2009	14	6	0.50833	50	\$ 25.42	6475					
					3.05	50	\$ 152.50						
UIE = DA+RT-PDR Gen													

PDR SETTLEMENT EXAMPLE

PDR Settlement **PGEB_1_PDR01**

CHARGE CODE	DESCRIPTION	CAISO Formula (simplified for use in example)	BQ	PRICE	STLMT_AMT	CHARGE GRANULARITY	MRTU TARIFF SEC.
			MW	\$	\$		
CC 6011	Day Ahead Energy, Congestion & Loss Stlmt	Net Hourly DA Energy Amount =(-1)* (IFM award * DA LMP)	3	80	(240.00)	Hourly	11.2
CC 6470	Real Time Instructed Imbalance Energy Settlement	RealTimeInstructedImbalanceEnergySettlementAmount = (-1) * IIE Quantity * SettlementIntervalRealTimeLMP	1	55	(55.00)	10min	11.5.1
CC 6475	Real Time Uninstructed Imbalance Energy Settlement	RealTimeUninstructedImbalanceEnergySettlementAmount = (-1)*((UIE1 QTY * ResourceSpecificTier1UIEPrice + UIE2 QTY * DispatchIntervalLMP))	3.05	50	152.50	10min	11.5.2

LSE Settlement **DLAP_PGAE_SC5**

CHARGE CODE	DESCRIPTION	CAISO Formula (simplified for use in example)	BQ	PRICE	STLMT_AMT	CHARGE GRANULARITY	MRTU TARIFF SEC.
			MW	\$	\$		
CC 6011	Day Ahead Energy, Congestion & Loss Stlmt	Net Hourly DA Energy Amount =(-1)* (IFM award * DA LMP)	120	80	(9,600.00)	Hourly	11.2
CC 6475	Real Time Uninstructed Imbalance Energy Settlement	RealTimeUninstructedImbalanceEnergySettlementAmount = (-1)*((MeterLoad + DLA) - DA schedule) * HourlyRealTimeLAPPrice))	-17.25	50	(862.50)	10min	11.5.2

LSE Settlement **DLAP_PGAE_SC9**

CHARGE CODE	DESCRIPTION	CAISO Formula (simplified for use in example)	BQ	PRICE	STLMT_AMT	CHARGE GRANULARITY	MRTU TARIFF SEC.
			MW	\$	\$		
CC 6011	Day Ahead Energy, Congestion & Loss Stlmt	Net Hourly DA Energy Amount =(-1)* (IFM award * DA LMP)	100	80	(8,000.00)	Hourly	11.2
CC 6475	Real Time Uninstructed Imbalance Energy Settlement	RealTimeUninstructedImbalanceEnergySettlementAmount = (-1)*((MeterLoad + DLA) - DA schedule) * HourlyRealTimeLAPPrice))	51.15	50	2,557.50	10min	11.5.2

CAISO BPM for Settlements and Billing: Attachment E Parent Group/Configuration Guide Name/Charge Code
DA Energy-Congestion-Losses Day Ahead Energy, Congestion, Loss Statement CC 6011
Real Time Instructed Imbalance Energy Settlement CC 6470
Real Time Uninstructed Imbalance Energy Settlement CC 6475

CAISO BPM for Settlements and Billing: Attachment E Parent Group/Configuration Guide Name/Charge Code
DA Energy-Congestion-Losses Day Ahead Energy, Congestion, Loss Statement CC 6011
Real Time Uninstructed Imbalance Energy Settlement CC 6475

CAISO BPM for Settlements and Billing: Attachment E Parent Group/Configuration Guide Name/Charge Code
DA Energy-Congestion-Losses Day Ahead Energy, Congestion, Loss Statement CC 6011
Real Time Uninstructed Imbalance Energy Settlement CC 6475