

Submitter (Party Name)	Powerex Corp.
Index Exh. No.	PWX-145
Privileged Info (Yes/No)	Yes
Document Title	Powerex Reply to Death Star
Document Author	Dr. Richard D. Tabors, President, Tabors, Caramanis & Associates
Doc. Date (mm/dd/yyyy)	03/20/2003
Specific finding made or proposed	Powerex Corp.'s Reply Comments and Rebuttal Testimony and Exhibits ("Powerex's Reply") demonstrate that the allegations set forth by the California Parties in their findings of fact and exhibits consist principally of innuendo, incorrect inferences, manipulated data and distortions of fact, and fail to support the California Parties' claims that Powerex engaged in market manipulation. Specifically, the Powerex Reply shows that, on review, the evidence proffered by the California Parties either: (a) does not support the proposition or inference alleged by the California Parties; (b) supports the California Parties proposition, but is not probative of deceitful conduct, market manipulation, tariff violations, or other alleged wrongdoing; or (c) supports a contrary inference which bolsters Powerex's position.
Time period at issue	a) before 10/2000; b) between 10/2000 and 6/2001
Docket No(s). and case(s) finding pertains to *	Docket No. EL00-95-000, <i>et al.</i> , <i>San Diego Gas & Electric Co. v. Sellers of Energy and Ancillary Services into Markets Operated by the California Independent System Operator Corp. and the California Power Exchange</i> Docket No. EL00-98-000, <i>et al.</i> , <i>Investigation of Practices of the California Independent System Operator and the California Power Exchange</i>
Indicate if Material is New or from the Existing Record (include references to record material)	New
Explanation of what the evidence purports to show	See "Specific finding made or proposed" above.
Party/Parties performing any alleged manipulation	This evidence is counterindicative of market manipulation by sellers.

SC_ID	OPR_DT	OPR_HR	tie_point_imp	tie_point_exp	interchg_id_imp	interchg_id_exp	MKT_TYPE	engy_type_imp	engy_type_exp	n_mw_imp	n_mw_da_imp	n_mw_exp	n_mw_da_exp	n_mw_da_exp	
Date Range: January 1 - 2000 - April 30, 2000															
Entity:	MWH	Hours													
Powerex	25	1													
PWRX	09MAR2000 :00:00:00	13	MEAD_2_WALC	MALIN_5_RNDMTN	PWXRX_PGES_MEAD_IN	PWX_RT_COB_OUT	H	FIRM	FIRM	25	25	0	-24.99	-24.99	0
					Source: WAUE	Source: CISO									
					Sink: CISO	Sink: BCHA									
					NERC tag: WAUE_PWX01396A100_CISO	No Real Time NERC tag									
	Comments: Day Ahead schedule is matched to a Hour Ahead Cob schedule. Not consistent with the methodology put forward by CISO and Fox-Penner as being a 'potential' Death Star schedule.														

SC_ID	OPR_DT	OPR_HR	tie_point_imp	tie_point_exp	interchg_id_imp	interchg_id_exp	MKT_TYPE	engy_type_imp	engy_type_exp	n_mw_imp	n_mw_da_imp	n_mw_exp	n_mw_da_exp
Date Range: May 1, - 2000 - October 1, 2000													
Entity: MWH		Hours											
Powerex 86		14											
PWRX	01JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
PWRX	01JUL2000:00:00:00	8 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
PWRX	01JUL2000:00:00:00	9 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
					Source: BPAT		Source: CISO						
					Sink: CISO		Sink: SRP						
					Nerc Tag: BPAT_PWX0100007BL_CISO		Nerc Tag: CISO_PWX0100007BU_SRP						
PWRX	06JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
					Source: PSEI		Source: CISO						
					Sink: CISO		Sink: SRP						
					Nerc Tag: PSEI_PWX0100007O9_CISO		Nerc Tag: CISO_PWX0100007MA_SRP						
PWRX	07JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	9	-9	0	-9
PWRX	07JUL2000:00:00:00	8 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	9	-9	0	-9
					Source: PSEI		Source: CISO						
					Sink: CISO		Sink: SRP						
					Nerc Tag: PSEI_PWX0100007R8_CISO		Nerc Tag: CISO_PWX0100007S3_SRP						
PWRX	08JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	9	-9	0	-9
PWRX	08JUL2000:00:00:00	8 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	9	-9	0	-9
					Source: PSEI		Source: CISO						
					Sink: CISO		Sink: SRP						
					Nerc Tag: PSEI_PWX0100007SA_CISO		Nerc Tag: CISO_PWX0100007RA_SRP						
PWRX	10JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
					Source: BPAT		Source: CISO						
					Sink: CISO		Sink: SRP						
					Nerc Tag: PSEI_PWX0100007UE_CISO		Nerc Tag: CISO_PWX0100007UN_SRP						
PWRX	14JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
PWRX	14JUL2000:00:00:00	8 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
					Source: BPAT		Source: CISO						
					Sink: CISO		Sink: NEVP						
					Nerc Tag: BPAT_PWX01000086G_CISO		Nerc Tag: CISO_PWX01000086M_NEVP						
PWRX	15JUL2000:00:00:00	7 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5

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PWRX	15JUL2000: 00:00:00	8 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
PWRX	15JUL2000: 00:00:00	9 N	MALIN_5_RNDMT	MEAD_2_WALC	PWXDACOBIN	PWXDAMEADOUT	D	FIRM	FIRM	5	-5	0	-5
					Source: BPAT	Source: CISO							
					Sink: CISO	Sink: NEVP							
					Nerc Tag: BPAT_PWX010000876_CISO	Nerc Tag: CISO_PWX01000087J_NEVP							

SC_ID	OPR_DT	OPR_HR	tie_point_imp	tie_point_exp	interchg_id_imp	interchg_id_exp	MKT_TYPE	engy_type_imp	engy_type_exp	n_mw_imp	m_w_da_imp	mly_mw_exp	n_mw_exp	m_w_da_exp	mly_mw_exp
Date Range: October 2, - 2000 - January 17, 2000															
Entity: MWH															
Powerex 79 3															
PWRX	10OCT2000 :00:00:00	21	CASCAD_1_CRAG VW	MALIN_5_RNDMTN	PWXDACASDOS	PWXHACOBOUT	H	FIRM	FIRM	20	20	0	-19.98	-19.98	0
					Source: BCHA		Source: CISO								
					Sink: CISO		Sink: BCHA								
					NERC tag: BCHA_PWX010000E7G_CISO		no real time NERC tag								
PWRX	30NOV2000 :00:00:00	16	MALIN_5_RNDMT N	FCORNR_5_PSUE DO	PWXHACOBIN	PWXHAFROUT	H	FIRM	FIRM	50.03	0	0	-50	-50	0
					Source: BCHA		Source: CISO								
					Sink: CISO		Sink: WALC								
					no Real Time NERC tag		no Real Time NERC tag								
Comments: Bilateral w/ WALC, Malin scheduled from BCHA															
PWRX	30NOV2000 :00:00:00	17	MALIN_5_RNDMT N	FCORNR_5_PSUE DO	PWXHACOBIN	PWXHAFROUT	H	FIRM	FIRM	8.93	0	0	-8.9	-8.9	0
					Source: BCHA		Source: CISO								
					Sink: CISO		Sink: WALC								
					no Real Time NERC tag		no Real Time NERC tag								
Comments: Bilateral w/ WALC, Malin scheduled from BCHA															

SC_ID	OPR_DT	OPR_HR	tie_point_imp	tie_point_exp	interchg_id_imp	interchg_id_exp	MKT_TYPE	engy_type_imp	engy_type_exp	n_mw_imp	n_mw_da_imp	n_mw_exp	n_mw_da_exp	n_mw_ex	n_mw_da_ex
Date Range: January 18, 2000 - June 19, 2001															
Entity: MWH															
Powerex 524 9															
PWRX	17MAR2001 :00:00:00	3	FCORNR_5_PSUE DO	MALIN_5_RNDMTN	PWXDA4CIN	PWXDACOBOUT	H	FIRM	FIRM	25	25	-61.76	37.22	-24.54	-61.76
					Source: PPW	Source: CISO									
					Sink: CISO	Sink: BCHA									
					NERC Tag: PPW_PWX010000OSH_CISO	NERC Tag: CISO_PWX010000P07_BCHA									
Comments: Combined Day Ahead & Hour Schedules. Original DACOBOUT was for 62 MWH after an adjustment in the HA market (37 MWH) brings schedule to 25 MW.															
PWRX	25MAR2001 :00:00:00	7	FCORNR_5_PSUE DO	MALIN_5_RNDMTN	PWXDA4CIN	PWXDACOBOUT	H	FIRM	FIRM	25	25	-94.03	69.05	-24.98	-94.03
					Source: PPW	Source: CISO									
					Sink: CISO	Sink: BCHA									
					Nerc tag: PPW_PWX010000PKY_CISO	NERC Tag: CISO_PWX010000PO7_BCHA (23 mw)									
						CISO_PWX010000POC_BCHA (71 mw)									
Comments: Combined Day Ahead & Hour Ahead Schedules. Original DACOBOUT was two schedules for 23 and 71 MWH respectively after an adjustment in the HA market for 69 MWH, the export schedule was for 25 MWH.															
PWRX	29MAR2001 :00:00:00	15	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVIN	PWXDACOBOUT	H	FIRM	FIRM	100	100	-106	6.14	-99.86	-106
					Source: PPW	Source: CISO									
					Source: PPW	Sink: BCHA									
					Source: PNM										
					Source: PNM										
					Source: CISO										
					Sink: CISO	This Schedule is a BILATERAL purchase from Williams at Palo Verde which was delivered to Powerex by Williams from SP15									
					NERC Tag: PPW_PWX010000PYU_CISO	NERC Tag: CISO_PWX010000Q0W_BCHA									
					PPW_PWX010000PYV_CISO										
					PNM_PWX010000PYW_CISO										
					PNM_PWX010000PYX_CISO										
					CISO_PWX010000PYY_CISO										
PWRX	25MAY2001 :00:00:00	11	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
PWRX	25MAY2001 :00:00:01	9	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
					Source: CISO										
					Sink: BCHA										
					NERC tag: CISO_PWX010000UQS_BCHA	This Schedule is a BILATERAL purchase from Williams at Palo Verde which was delivered to Powerex by Williams from SP15									
PWRX	26MAY2001 :00:00:00	11	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
PWRX	26MAY2001 :00:00:00	12	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
PWRX	26MAY2001 :00:00:00	13	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
PWRX	26MAY2001 :00:00:00	14	PVERDE_5_DEVE RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25

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PWRX	26MAY2001 :00:00:00	PVERDE_5_DEVE 20 RS	MALIN_5_RNDMTN	PWXDAPVCOB	PWXDAPVCOB	H	WHEEL	WHEEL	24.99	24.99	-25	0.01	-24.99	-25
				Source: CISO										
				Sink: BCHA										
				NERC tag: CISO_PWX010000UT0_BCHA	This Schedule is a BILATERAL purchase from Williams at Palo Verde which was delivered to Powerex by Williams from SP15									

Submitter (Party Name)	Powerex Corp.
Index Exh. No.	PWX-146
Privileged Info (Yes/No)	Yes
Document Title	Powerex Reply to Cut Schedules
Document Author	Dr. Richard D. Tabors, President, Tabors, Caramanis & Associates
Doc. Date (mm/dd/yyyy)	03/20/2003
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Indicate if Material is New or from the Existing Record (include references to record material)	New
Explanation of what the evidence purports to show	See "Specific finding made or proposed" above.
Party/Parties performing any alleged manipulation	This evidence is counterindicative of market manipulation by sellers.

Date Range: January 1 - 2000 - April 30, 2000

Entity: MWH
 Powerex 20 Hours 2

YEAR	OPR_DT	OPR_HR	SC_ID	REC_TYPE	IE_TYPE	BRANCH_GRP	TIE_POINT	INTERCHG_ID	DA_HRLY_MW	DA_FIN_MW
2000	2/01/00	7	PWRX	HR	E	COI _BG	MALIN_5_RNDMTN	PX_PWX_1041		0
2000	4/15/00	5	PWRX	HR	E	COI _BG	MALIN_5_RNDMTN	PX_PWX_1041		0

(source: CAISO Data Files Cut_Schedules_fina_allscsl.xls)

source: CalPX Data Files
 File: ha_res_fin_sched_000101_000302.csv
 ha_res_fin_sched_000303_000602.csv

Date Range: May 1, - 2000 - October 1, 2000

Entity: MWH
 Powerex 2660 Hours 33

YEAR	OPR_DT	OPR_HR	SC_ID	REC_TYPE	IE_TYPE	BRANCH_GRP	TIE_POINT	INTERCHG_ID	DA_HRLY_MW	DA_FIN_MW
2000	6/15/00	3	PWRX	HR	E	SUMMIT _BG	SUMITM_1_SPP	PX_PWX_1066		0
2000	7/29/00	12	PWRX	DHR	I	MEAD _BG	MEAD_2_WALC	PWXDAMEADOSIN	-25	-25
2000	7/29/00	13	PWRX	DHR	I	MEAD _BG	MEAD_2_WALC	PWXDAMEADOSIN	-25	-25
2000	7/29/00	14	PWRX	DHR	I	MEAD _BG	MEAD_2_WALC	PWXDAMEADOSIN	-25	-25
2000	7/29/00	14	PWRX	HR	I	MEAD _BG	MEAD_2_WALC	PWX_PX_1088		0
2000	7/30/00	12	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	13	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	15	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	16	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	17	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	18	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	20	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	21	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	7/30/00	22	PWRX	DR	I	MEAD _BG	MEAD_2_WALC	PWXMEADIN	-25	-25
2000	8/31/00	7	PWRX	HR	I	NOB _BG	SYLMAR_2_NOB	PWX_PX_1074		0

(source: CAISO Data Files Cut_Schedules_fina_allscsl.xls)

YEAR	OPR_DT	OPR_HR	SC_ID	REC_TYPE	IE_TYPE	BRANCH_GRP	TIE_POINT	INTERCHG_ID	DA_HRLY_MW	DA_FIN_MW
2000	5/28/00	1	PWRX	HR	E	ELDORADO _BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	2	PWRX	HR	E	ELDORADO _BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	3	PWRX	HR	E	ELDORADO _BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	4	PWRX	HR	E	ELDORADO _BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	5	PWRX	HR	E	ELDORADO _BG	FCORNR_5_PSUEDO	PX_PWX_1046		0

2000	5/28/00	6 PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	7 PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	8 PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	9 PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/28/00	10 PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0
2000	5/24/00	17 PWRX	DHR	E	CASCADE_BG	CASCAD_1_CRAGVW	PX_PWX_1054	0	4.97
2000	7/29/00	5 PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1074		0
2000	7/29/00	6 PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1074		0
2000	7/30/00	5 PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1074		0
2000	7/30/00	7 PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1074		0
2000	7/30/00	9 PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1074		0
2000	8/05/00	9 PWRX	DHR	E	NOB_BG	SYLMAR_2_NOB	PX_PWX_1033	0	4.97
2000	8/05/00	10 PWRX	DHR	E	NOB_BG	SYLMAR_2_NOB	PX_PWX_1033	0	4.97
(source: CAISO Data Files zeroratedpaths_00_02.xls)									0

Date Range: October 2, - 2000 - January 17, 2000

Entity: MWH
 Powerex Hours
 154 5

YEAR	OPR_DT	OPR_HR	SC_ID	REC_TYPE	IE_TYPE	BRANCH_GRP	TIE_POINT	INTERCHG_ID	DA_HRLY_MW	DA_FIN_MW
2000	10/29/00	10	PWRX	HR	E	COI_BG	MALIN_5_RNDMTN	PWXHACOBOUT		0
2000	10/29/00	18	PWRX	HR	E	COI_BG	MALIN_5_RNDMTN	PWXHACOBOUT		0
2000	10/29/00	22	PWRX	HR	E	COI_BG	MALIN_5_RNDMTN	PWXHACOBOUT		0
2000	11/25/00	9	PWRX	DHR	I	NOB_BG	SYLMAR_2_NOB	PWX_PX_1071	0	-11.47
2000	11/30/00	14	PWRX	HR	E	ELDORADO_BG	FCORNR_5_PSUEDO	PX_PWX_1046		0

(source: CAISO Data Files Cut_Schedules_fina_allscsl.xls)

Date Range: January 18, 2000 - June 19, 2001

Entity: MWH
 Powerex Hours
 119 3

YEAR	OPR_DT	OPR_HR	SC_ID	REC_TYPE	IE_TYPE	BRANCH_GRP	TIE_POINT	INTERCHG_ID	DA_HRLY_MW	DA_FIN_MW
2001	5/02/01	11	PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWXHAFCELDO		0
2001	5/02/01	10	PWRX	HR	I	NOB_BG	SYLMAR_2_NOB	PWXHAFCELDO		0
2001	5/14/01	12	PWRX	HR	E	COI_BG	MALIN_5_RNDMTN	PWXHAFCCOB		0

(source: CAISO Data Files Cut_Schedules_fina_allscsl.xls)

DA_CNCS_PRC	HA_HRLY_MW	HA_FIN_MW	HA_CNCS_PRC	RT_HRLY_MW	RT_FIN_MW	REVENUES	REASON FOR DEVIATION
0		0	75	25.34	0	56 481.46	NOTE 1
0		0	25.4	20	0	24 28	NOTE 2

DA_CNCS_PRC	HA_HRLY_MW	HA_FIN_MW	HA_CNCS_PRC	RT_HRLY_MW	RT_FIN_MW	REVENUES	REASON FOR DEVIATION
0		0	4.97	77	0	0 382.69	NOTE 3
100.00002		-25	-25	0	-25	0 2500.0005	NOTE 4
100.00002		0	-25	170.01001	0	0 2500.0005	NOTE 4
215.60999		0	-25	280.00009	0	0 5390.24975	NOTE 4
215.60999		0	-25	280.00009	0	0 7000.00225	NOTE 5
103.48999			-25	0	0	0 2587.24975	NOTE 6
103.48999			-25	0	0	0 2587.24975	NOTE 6
17.17999			-25	75	0	0 429.49975	NOTE 6
103.48999			-25	75	0	0 2587.24975	NOTE 6
103.48999			-25	165	0	0 2587.24975	NOTE 6
103.48999			-25	380	0	0 2587.24975	NOTE 6
131.45999			-25	0	0	0 3286.49975	NOTE 6
135.22998			-25	0	0	0 3380.7495	NOTE 6
103.48999			-25	0	0	0 2587.24975	NOTE 6
33.99		0	-125	146.99001	0	0 18373.75125	NOTE 7
			455		-25		

DA_CNCS_PRC	DA_BG_FIN_MW	HA_HRLY_MW	HA_FIN_MW	HA_CNCS_PRC	HA_BG_FIN_MW	RT_HRLY_MW	RT_FIN_MW	REASON FOR DEVIATION	REVENUES
0			0	150	505.00012	0.03	0	0 NOTE 8	\$75,750
0			0	350	505	0.03	0	0 NOTE 8	\$176,750
0			0	150	505.00009	0.03	0	0 NOTE 8	\$75,750
0			0	200	505	0.03	0	0 NOTE 8	\$101,000
0			0	150	670.00012	0.03	0	0 NOTE 8	\$100,500

Protected Material, Not Available to Competitive Duty Personnel, Subject to Protective Order in San Diego Gas Electric Co., et al., EL00-95

0		0	150	201	0.03	0	0	NOTE 8	\$30,150
0		0	150	505.00009	0.03	0	0	NOTE 8	\$75,750
0		0	250	79	0.03	0	0	NOTE 8	\$19,750
0		0	150	205	0.03	0	0	NOTE 8	\$30,750
0		0	250	122.99	0.03	0	0	NOTE 8	\$30,748
175.64	0.03	4.97	4.97	0		4.97	0	NOTE 9	\$873
0		0	-40.16	54.02	-0.03	0	0	NOTE 8	\$2,169
0		0	-50	75.01001	-0.03	0	0	NOTE 8	\$3,751
0		0	-49.99	101.00999	-0.03	0	0	NOTE 8	\$5,049
0		0	-50	120.52999	-0.03	0	0	NOTE 8	\$6,026
0		0	-50	71	-0.03	0	0	NOTE 8	\$3,550
8.83	0.03	4.97	4.97	0		4.97	0	NOTE 9	\$44
57.11	0.03	4.97	4.97	0		4.97	0	NOTE 9	\$284

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DA_CNGS_PRC	HA_HRLY_MW	HA_FIN_MW	HA_CNGS_PRC	RT_HRLY_MW	RT_FIN_MW	MST_AFF_NAME	REVENUES	REASON FOR DEVIATION
0		0	49.97	30.7		0 British Columbia Pow	1534.079	NOTE 10
2.53		0	8.86	22.99		0 British Columbia Pow	203.6914	NOTE 10
0.00999		0	50	28.22001		0 British Columbia Pow	1411.0005	NOTE 10
169		0	0	0.01		0 British Columbia Pow	1938.43	NOTE 11
0		0	100	243.9901		55 British Columbia Pow	10979.5545	NOTE 12

DA_CNGS_PRC	HA_HRLY_MW	HA_FIN_MW	HA_CNGS_PRC	RT_HRLY_MW	RT_FIN_MW	MST_AFF_NAME	REVENUES	REASON FOR DEVIATION
0		-36	-36	30.00999		0 British Columbia Pow	1080.35964	NOTE 13
0		-39	-39	30.00999		0 British Columbia Pow	1170.38961	NOTE 13
0		84	84	30		40 British Columbia Pow	1320	NOTE 14

Submitter (Party Name)	Powerex Corp.
Index Exh. No.	PWX-147
Privileged Info (Yes/No)	Yes
Document Title	ISO Get Shorty Analysis on Fox-Penner Buyback Days
Document Author	Dr. Richard D. Tabors, President, Tabors, Caramanis & Associates
Doc. Date (mm/dd/yyyy)	03/20/2003
Specific finding made or proposed	Powerex Corp.'s Reply Comments and Rebuttal Testimony and Exhibits ("Powerex's Reply") demonstrate that the allegations set forth by the California Parties in their findings of fact and exhibits consist principally of innuendo, incorrect inferences, manipulated data and distortions of fact, and fail to support the California Parties' claims that Powerex engaged in market manipulation. Specifically, the Powerex Reply shows that, on review, the evidence proffered by the California Parties either: (a) does not support the proposition or inference alleged by the California Parties; (b) supports the California Parties proposition, but is not probative of deceitful conduct, market manipulation, tariff violations, or other alleged wrongdoing; or (c) supports a contrary inference which bolsters Powerex's position.
Time period at issue	a) before 10/2000; b) between 10/2000 and 6/2001
Docket No(s). and case(s) finding pertains to *	Docket No. EL00-95-000, <i>et al.</i> , <i>San Diego Gas & Electric Co. v. Sellers of Energy and Ancillary Services into Markets Operated by the California Independent System Operator Corp. and the California Power Exchange</i> Docket No. EL00-98-000, <i>et al.</i> , <i>Investigation of Practices of the California Independent System Operator and the California Power Exchange</i>
Indicate if Material is New or from the Existing Record (include references to record material)	New
Explanation of what the evidence purports to show	See "Specific finding made or proposed" above.
Party/Parties performing any alleged manipulation	This evidence is counterindicative of market manipulation by sellers.

year_mon	OPR_DT	OPR_HR	MST_AFF	SC_ID	UNIT_ID	TIE_POINT	AS_TYPE
2000.05	5/23/00	15	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.05	5/23/00	16	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.05	5/23/00	17	BCHA	PWRX		SYLMAR_2_NOB	RP
5/23/2000 Total							
2000.06	6/13/00	11	BCHA	PWRX		SYLMAR_2_NOB	RP
6/13/2000 Total							
2000.06	6/14/00	16	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/14/00	17	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/14/00	18	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/14/00	19	BCHA	PWRX		MALIN_5_RNDMTN	RP
6/14/2000 Total							
2000.06	6/15/00	21	BCHA	PWRX		CASCAD_1_CRAG	RP
2000.06	6/15/00	21	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/15/00	21	BCHA	PWRX		MEAD_2_WALC	RP
2000.06	6/15/00	21	BCHA	PWRX		PVERDE_5_DEVEF	RP
2000.06	6/15/00	21	BCHA	PWRX		SYLMAR_2_NOB	RP
6/15/2000 Total							
2000.06	6/20/00	9	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	9	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	10	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	10	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	11	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	11	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	12	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	12	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	13	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	13	BCHA	PWRX		MEAD_2_WALC	RP
2000.06	6/20/00	13	BCHA	PWRX		PVERDE_5_DEVEF	RP
2000.06	6/20/00	13	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	14	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	14	BCHA	PWRX		MEAD_2_WALC	RP
2000.06	6/20/00	14	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/20/00	20	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.06	6/20/00	20	BCHA	PWRX		SYLMAR_2_NOB	RP
6/20/2000 Total							
2000.06	6/22/00	13	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/22/00	14	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/22/00	15	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.06	6/22/00	16	BCHA	PWRX		SYLMAR_2_NOB	RP
6/22/2000 Total							
2000.07	7/11/00	11	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.07	7/11/00	12	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.07	7/11/00	12	BCHA	PWRX		SYLMAR_2_NOB	SP
2000.07	7/11/00	13	BCHA	PWRX		SYLMAR_2_NOB	SP
2000.07	7/11/00	14	BCHA	PWRX		SYLMAR_2_NOB	SP
2000.07	7/11/00	15	BCHA	PWRX		SYLMAR_2_NOB	SP
2000.07	7/11/00	18	BCHA	PWRX		MALIN_5_RNDMTN	RP
2000.07	7/11/00	18	BCHA	PWRX		SYLMAR_2_NOB	SP
2000.07	7/11/00	19	BCHA	PWRX		SYLMAR_2_NOB	RP
2000.07	7/11/00	19	BCHA	PWRX		SYLMAR_2_NOB	SP
7/11/2000 Total							

2000.07	7/19/00	13	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	14	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	15	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	15	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.07	7/19/00	16	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	16	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.07	7/19/00	17	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	17	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.07	7/19/00	18	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/19/00	18	BCHA	PWRX	SYLMAR_2_NOB	SP
7/19/2000 Total						
2000.07	7/25/00	13	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/25/00	14	BCHA	PWRX	MALIN_5_RNDMTN	RP
7/25/2000 Total						
2000.07	7/27/00	11	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	11	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	11	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/27/00	12	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	12	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	12	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	12	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/27/00	13	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	13	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	13	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	14	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	14	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	14	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	15	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	15	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	15	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	16	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	16	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	16	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	18	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	18	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	18	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	19	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	19	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	19	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	19	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.07	7/27/00	20	BCHA	PWRX	CASCAD_1_CRAG	RP
2000.07	7/27/00	20	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.07	7/27/00	20	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.07	7/27/00	20	BCHA	PWRX	SYLMAR_2_NOB	RP
7/27/2000 Total						
2000.08	8/02/00	11	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	12	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	13	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	14	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	15	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	16	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	17	BCHA	PWRX	MALIN_5_RNDMTN	RP

2000.08	8/02/00	18	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	19	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	20	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/02/00	22	BCHA	PWRX	MALIN_5_RNDMTN	RP
8/2/2000 Total						
2000.08	8/07/00	20	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.08	8/07/00	20	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.08	8/07/00	21	BCHA	PWRX	PVERDE_5_DEVEF	RP
2000.08	8/07/00	21	BCHA	PWRX	SYLMAR_2_NOB	RP
8/7/2000 Total						
2000.08	8/08/00	14	BCHA	PWRX	MALIN_5_RNDMTN	RP
8/8/2000 Total						
2000.08	8/10/00	12	BCHA	PWRX	CASCAD_1_CRAG\	RP
2000.08	8/10/00	12	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	12	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.08	8/10/00	13	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	14	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	15	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	16	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	17	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	18	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	19	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.08	8/10/00	19	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.08	8/10/00	20	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.08	8/10/00	21	BCHA	PWRX	SYLMAR_2_NOB	RP
8/10/2000 Total						
2000.08	8/16/00	11	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	12	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	13	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	14	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	15	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	16	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	17	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	18	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	19	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	20	BCHA	PWRX	LUGO_5_VICTVL	RP
2000.08	8/16/00	21	BCHA	PWRX	LUGO_5_VICTVL	RP
8/16/2000 Total						
2000.08	8/24/00	15	BCHA	PWRX	SYLMAR_2_NOB	NS
8/24/2000 Total						
2000.09	9/19/00	12	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.09	9/19/00	13	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.09	9/19/00	20	BCHA	PWRX	SYLMAR_2_NOB	SP
2000.09	9/19/00	21	BCHA	PWRX	SYLMAR_2_NOB	RP
9/19/2000 Total						
2000.11	11/14/00	17	BCHA	PWRX	CASCAD_1_CRAG\	RP
2000.11	11/14/00	17	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.11	11/14/00	17	BCHA	PWRX	SYLMAR_2_NOB	RP
2000.11	11/14/00	18	BCHA	PWRX	CASCAD_1_CRAG\	RP
2000.11	11/14/00	18	BCHA	PWRX	MALIN_5_RNDMTN	RP
2000.11	11/14/00	18	BCHA	PWRX	MALIN_5_RNDMTN	SP
2000.11	11/14/00	18	BCHA	PWRX	SYLMAR_2_NOB	RP

**11/14/2000 Total
Grand Total**

da_fin_mw	da_fin_cost	ha_fin_mw	ha_fin_cost	fin_mw	fin_cost	gains	losses
200	46400	-70.01	-1608.8298	129.99	44791.1702	14633.4902	0
200	70000	-70.01	-7001	129.99	62999	17502.5	0
200	70000	-67.22	-6722	132.78	63278	16805	0
						48940.9902	
600	449400	-499	-373751	101	75649	0	0
						0	
473	354745.27	-19.56	-14670	453.44	340075.27	0	-0.5868
473	354745.27	-17.41	-13057.5	455.59	341687.77	0	-0.5223
473	354745.27	-25.95	-19436.55	447.05	335308.72	77.0715	0
473	354277	-12.11	0	460.89	354277	27211.17	0
						27288.2415	
70	1400	-13.01	-64.6597	56.99	1335.3403	195.5403	0
302.33	6046.6	-56.2	-279.314	246.13	5767.286	1689.372	0
99	1980	-18.4	-91.448	80.6	1888.552	276.552	0
88	1760	-16.36	-81.3092	71.64	1678.6908	245.8908	0
500	10000	-92.94	-461.9118	407.06	9538.0882	1396.8882	0
						3804.2433	
177.11	334.7379	-43.32	-28.5912	133.79	306.1467	53.2836	0
221.39	418.4271	-54.15	-35.739	167.24	382.6881	66.6045	0
200	378	-54.81	-0.5481	145.19	377.4519	103.0428	0
250	472.5	-68.51	-0.6851	181.49	471.8149	128.7988	0
200	600	-50.46	-20.6886	149.54	579.3114	130.6914	0
250	750	-63.08	-25.8628	186.92	724.1372	163.3772	0
200	600	-51.27	-21.0207	148.73	578.9793	132.7893	0
250	750	-64.08	-26.2728	185.92	723.7272	165.9672	0
200	650	-74.9	-208.971	125.1	441.029	34.454	0
57.84	187.98	-21.66	-60.4314	36.18	127.5486	9.9636	0
36.66	119.145	-13.73	-38.3067	22.93	80.8383	6.3158	0
250	812.5	-93.63	-261.2277	156.37	551.2723	43.0698	0
200	1784	-33.68	-13.8088	166.32	1770.1912	286.6168	0
16	142.72	-2.69	-1.1029	13.31	141.6171	22.8919	0
190	1694.8	-32	-13.12	158	1681.68	272.32	0
200	600	-55.6	-22.796	144.4	577.204	144.004	0
250	750	-69.49	-28.4909	180.51	721.5091	179.9791	0
						1944.1698	
156.85	1568.5	-11.75	-7520	145.1	-5951.5	0	-7402.5
19.36	1548.8	-5.49	-2745	13.87	-1196.2	0	-2305.8
19.96	1596.8	-5.59	-4192.5	14.37	-2595.7	0	-3745.3
45	3600	-8.4	-6300	36.6	-2700	0	-5628
						0	
200	184	-199	-396.01	1	-212.01	0	-212.93
198.8	182.896	-198.8	-395.612	0	-212.716	0	-212.716
200	1996	-200	-898	0	1098	1098	0
160.2	692.064	-160.2	-719.298	0	-27.234	0	-27.234
73.8	369	-73.8	-73.8	0	295.2	295.2	0
73	365	-73	-146	0	219	219	0
200	200	-16.29	-0.3258	183.71	199.6742	15.9642	0
43	215	-43	-172	0	43	43	0
200	184	-200	-252	0	-68	0	-68
200	1660	-5	-19.2	195	1640.8	22.3	0
						1693.4642	

194.99	974.95	-30	-0.3	164.99	974.65	149.7	0
200	1000	-7.21	-0.0721	192.79	999.9279	35.9779	0
13.99	553.1646	-13.99	-0.1399	0	553.0247	553.0247	0
200	5000	-16.01	-15.8499	183.99	4984.1501	384.4001	0
13.99	1385.01	-13.99	-0.1399	0	1384.8701	1384.8701	0
200	29950	-16.01	-15.8499	183.99	29934.1501	2381.6476	0
13.99	1398.5803	-13.99	-0.1399	0	1398.4404	1398.4404	0
200	5130	-16.01	-15.8499	183.99	5114.1501	394.8066	0
13.99	1385.01	-13.99	-0.1399	0	1384.8701	1384.8701	0
200	8374	-16.01	-12.0075	183.99	8361.9925	658.3312	0
						8726.0687	
200	15990	-200	-19998	0	-4008	0	-4008
200	19200	-200	-20000	0	-800	0	-800
						0	
80	5920	-54.72	-41.04	25.28	5878.96	4008.24	0
600	44400	-410.37	-307.7775	189.63	44092.2225	90178.8075	0
200	14800	-136.79	-102.5925	63.21	14697.4075	10019.8675	0
80	7839.2	-55.91	-34.6642	24.09	7804.5358	5443.9567	0
600	58794	-419.31	-259.9722	180.69	58534.0278	122484.6441	0
0.01	0.9799	-0.01	-0.0062	0	0.9737	0.9737	0
200	19598	-139.77	-86.6574	60.23	19511.3426	13609.4049	0
80	7997.6	-47.89	-239.45	32.11	7758.15	4548.1133	0
600	59982	-359.16	-1795.8	240.84	58186.2	102328.2756	0
127	12696.19	-76.02	-380.1	50.98	12316.09	7219.6194	0
80	8000	-38.59	-2700.1423	41.41	5299.8577	1158.8577	0
600	60000	-289.47	-20254.2159	310.53	39745.7841	26078.3523	0
127	12700	-61.27	-4287.0619	65.73	8412.9381	1839.9381	0
80	8000	-80	-5576	0	2424	2424	0
600	60000	-600	-41820	0	18180	54540	0
0.01	1	-0.01	-0.697	0	0.303	0.303	0
80	8000	-14.23	-991.831	65.77	7008.169	431.169	0
600	60000	-106.71	-7437.687	493.29	52562.313	9699.939	0
127	12700	-22.58	-1573.826	104.42	11126.174	684.174	0
80	7999.2	-28.63	-1995.511	51.37	6003.689	867.2027	0
600	59994	-214.71	-14965.287	385.29	45028.713	19510.6977	0
127	12698.73	-45.44	-3167.168	81.56	9531.562	1376.3776	0
80	7600	-57.72	-14.43	22.28	7585.57	5468.97	0
600	57000	-432.9	-108.225	167.1	56891.775	123051.825	0
127	12065	-91.63	-22.9075	35.37	12042.0925	8681.9425	0
200	19000	-144.3	-36.075	55.7	18963.925	13672.425	0
80	7298.4	-34.62	-8.655	45.38	7289.745	3149.7276	0
600	54738	-259.68	-64.92	340.32	54673.08	70877.0592	0
127	11586.21	-54.96	-13.74	72.04	11572.47	5000.2608	0
200	18246	-86.56	-21.64	113.44	18224.36	7875.2288	0
			\$(108,308.08)			\$ 716,230.35	
400	39996	-250	-25000	150	14996	0	-2.5
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-24497.55	155	15498.45	0	0

400	39996	-245	-24497.55	155	15498.45	0	0
400	39996	-245	-24500	155	15496	0	-2.45
400	39996	-245	-1225	155	38771	23272.55	0
400	18084	-245	-487.55	155	17596.45	10588.9	0
						33861.45	
50	4722	-5.34	-3.3108	44.66	4718.6892	500.9988	0
300	28332	-32.05	-19.871	267.95	28312.129	3006.931	0
50	272	-3.88	-11.6012	46.12	260.3988	9.506	0
300	1632	-23.29	-69.6371	276.71	1562.3629	57.0605	0
						3574.4963	
133.3	12352.911	-0.3	-1.5	133	12351.411	26.301	0
						26.301	
80	613.6	-38.07	-23.6034	41.93	589.9966	268.3935	0
366.6	2811.822	-174.47	-108.1714	192.13	2703.6506	1230.0135	0
97.9	750.893	-46.59	-28.8858	51.31	722.0072	328.4595	0
400	3376	-400	-17956	0	-14580	0	-14580
400	9976	-400	-40000	0	-30024	0	-30024
500	45000	-500	-49985	0	-4985	0	-9970
500	45000	-500	-50000	0	-5000	0	-10000
500	32500	-500	-50000	0	-17500	0	-35000
400	4000	-400	-40000	0	-36000	0	-36000
106.5	816.855	-106.5	-10329.435	0	-9512.58	0	-9512.58
82.99	636.5333	-82.99	-8049.2001	0	-7412.6668	0	-7412.667
95.82	632.412	-95.82	-4887.7782	0	-4255.3662	0	-4255.366
29.5	129.505	-29.5	-28.615	0	100.89	100.89	0
						1927.7565	
103.65	9250.7625	-103.65	-10365	0	-1114.2375	0	-1114.238
110	10998.9	-110	-11000	0	-1.1	0	-1.1
110	10998.9	-110	-11000	0	-1.1	0	-1.1
110	10996.7	-110	-11000	0	-3.3	0	-3.3
110	10996.7	-110	-10996.7	0	0	0	0
110	11000	-110	-11000	0	0	0	0
110	10996.7	-110	-10890	0	106.7	106.7	0
110	10996.7	-110	-10996.7	0	0	0	0
110	10998.9	-110	-11000	0	-1.1	0	-1.1
110	10996.7	-110	-11000	0	-3.3	0	-3.3
94.13	8401.1025	-94.13	-4208.5523	0	4192.5502	4192.5502	0
						4299.2502	
31.39	4634.7335	-31.39	-6030.6468	0	-1395.9133	0	-1395.913
						0	
165.29	41319.1942	-161.97	-3239.4	3.32	38079.7942	37249.8606	0
102.66	25662.9468	-102.66	-10266	0	15396.9468	15396.9468	0
119.96	29988.8004	-119.96	-3598.8	0	26390.0004	26390.0004	0
185.18	17951.3492	-108.17	-10817	77.01	7134.3492	0	-331.0002
						79036.8078	
60	594	-60	-6000	0	-5406	0	-5406
200	1980	-200	-20000	0	-18020	0	-36040
200	1980	-200	-20000	0	-18020	0	-36040
60	6000	-60	-6000	0	0	0	0
200	20000	-200	-20000	0	0	0	0
93.17	10201.1833	-93.17	-23199.33	0	-12998.1467	0	-12998.15
200	20000	-200	-20000	0	0	0	0

0
\$ 931,353.59

-108308.1

