Table 1

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
ROUND MT	500.0	TABLE MT	500.0	2	1627.0	99.2	1635.7	99.1	**8.7**	-0.1
ROUND MT	500.0	TABLE MT	500.0	1	1613.2	98.3	1621.8	98.2	**8.6**	-0.1
BRIGHTON	230.0	BRGHTN M	230.0	1	136.9	114.0	143.8	119.8	**6.9**	5.8
LOCKFORD	230.0	LOCKEFRD	60.0	1	154.5	115.0	156.8	116.7	**2.3**	1.7
LOSBANOS	230.0	LOS BANS	70.0	1	116.9	97.4	119.1	99.2	**2.2**	1.8
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.2	98.3	62.3	98.3	**0.1**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.8	**0.0**	-0.1
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	118.8	35.7	118.6	**0.0**	-0.2
MOSHERJT	60.0	MSHR 60V	60.0	1	38.8	106.0	38.8	104.6	**0.0**	-1.4
CAPEHORN	60.0	ROLLINS	60.0	1	28.5	99.1	28.4	97.4	**-0.1**	-1.7
VACA-DIX	115.0	VACA-DXN	60.0	1	79.2	99.0	79.1	98.9	**-0.1**	-0.1
MONTAVIS	230.0	MNTA VSA	60.0	1	145.6	108.3	145.4	108.2	**-0.2**	-0.1
ATLANTC	230.0	ATLANTIC	60.0	1	150.2	111.7	150.0	111.6	**-0.2**	-0.1
FRBSTNTP	115.0	FORBSTWN	11.5	1	30.8	99.9	30.6	98.7	**-0.2**	-1.2
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.2	97.1	**-0.2**	-1.2
CAPEHORN	60.0	BONNIE N	60.0	1	30.4	105.0	30.2	103.2	**-0.2**	-1.8
FMC	115.0	FMC CT	12.0	1	50.6	98.2	50.4	97.5	**-0.2**	-0.7
POCKET	230.0	POCKET 2	69.0	2	223.4	99.8	223.2	99.7	**-0.2**	-0.1
DRUM	60.0	BONNIE N	60.0	1	32.8	109.5	32.5	107.6	**-0.3**	-1.9
BLACK	230.0	JBBLACK1	13.8	1	82.4	98.5	82.1	97.7	**-0.3**	-0.8
BLACK	230.0	JBBLACK2	13.8	1	82.4	98.5	82.1	97.7	**-0.3**	-0.8
PANOCHE	230.0	PNCHE 2M	230.0	2	123.0	101.0	122.4	100.5	**-0.6**	-0.5
PNCHE 2M	230.0	PANOCHE	115.0	2	122.1	100.2	121.5	99.7	**-0.6**	-0.5
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.3	120.8	195.6	119.6	**-1.7**	-1.2
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.1	98.7	18.3	89.6	**-1.8**	-9.1
COLGATE	230.0	COLGATE2	13.8	1	149.6	99.1	147.5	97.0	**-2.1**	-2.1
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	187.4	97.6	**-4.2**	-2.2
PITSBURG	230.0	TASSAJAR	230.0	1	366.2	100.6	359.2	98.5	**-7.0**	-2.1
TBL MT D	230.0	RIO OSO	230.0	1	329.2	103.5	283.2	88.4	**-46.0**	-15.1

Table 2

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	131.0	87.4	149.4	99.6	**18.4**	12.2
WARNERVL	230.0	WRNRVLLE	115.0	3	65.5	87.4	74.7	99.6	**9.2**	12.2
WARNERVL	230.0	WRNRVLLE	115.0	2	65.5	87.4	74.7	99.6	**9.2**	12.2
BRIGHTON	230.0	BRGHTN M	230.0	1	137.1	114.2	144.4	120.3	**7.3**	6.1
ROUND MT	500.0	TABLE MT	500.0	2	1624.4	98.3	1629.5	98.3	**5.1**	0.0
LOCKFORD	230.0	LOCKEFRD	60.0	1	152.6	113.5	153.6	114.3	**1.0**	0.8
LOSBANOS	230.0	LOS BANS	70.0	1	120.4	100.3	121.2	101.0	**0.8**	0.7
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.8	113.6	126.4	114.1	**0.6**	0.5
MARTIN C	115.0	MRTN ABG	12.0	1	54.9	99.8	54.9	99.9	**0.0**	0.1
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.3	104.8	116.3	104.8	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	34.1	113.5	34.1	113.4	**0.0**	-0.1
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
MONTAVIS	230.0	MNTA VSA	60.0	1	150.5	111.9	150.4	111.9	**-0.1**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.8	97.8	**-0.1**	-0.6
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.9	99.9	53.8	99.7	**-0.1**	-0.2
ATLANTC	230.0	ATLANTIC	60.0	1	131.8	98.0	131.7	98.0	**-0.1**	0.0
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.3	65.5	98.0	**-0.2**	-0.3
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.4	97.7	**-0.2**	-0.8
MELONE1	13.8	MELONES	230.0	1	188.5	98.2	187.4	97.6	**-1.1**	-0.6
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.1	94.0	**-1.1**	-5.6
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	121.0	196.4	120.0	**-1.6**	-1.0
PANOCHE	230.0	PNCHE 2M	230.0	2	124.9	102.6	122.4	100.5	**-2.5**	-2.1
PNCHE 2M	230.0	PANOCHE	115.0	2	124.0	101.8	121.4	99.7	**-2.6**	-2.1
PITSBURG	230.0	TASSAJAR	230.0	1	372.8	102.2	366.1	100.3	**-6.7**	-1.9
TEMPLETN	230.0	MORROBAY	230.0	1	305.0	98.4	261.7	83.9	**-43.3**	-14.5

Table 3

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

Rancho Seco to Bellota 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
PANOCHE	230.0	PNCHE 2M	230.0	2	117.1	96.1	122.5	100.6	**5.4**	4.5
PNCHE 2M	230.0	PANOCHE	115.0	2	116.3	95.5	121.6	99.8	**5.3**	4.3
FOLSOM	230.0	FOLSOM2	13.8	1	62.0	98.3	62.3	98.3	**0.3**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.6	35.7	101.2	**0.0**	-0.4
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.8	**0.0**	-0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.3	97.5	**-0.3**	-1.0
FRBSTNTP	115.0	FORBSTWN	11.5	1	31.0	100.6	30.6	98.7	**-0.4**	-1.9
BLACK	230.0	JBBLACK1	13.8	1	82.8	99.3	82.1	97.7	**-0.7**	-1.6
BLACK	230.0	JBBLACK2	13.8	1	82.8	99.3	82.1	97.7	**-0.7**	-1.6
POCKET	230.0	POCKET 2	69.0	2	224.2	100.1	223.3	99.7	**-0.9**	-0.4
DRUM	60.0	BONNIE N	60.0	1	34.1	98.9	32.5	92.6	**-1.6**	-6.3
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.0	98.5	18.3	89.6	**-1.7**	-8.9
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.3	103.9	195.6	102.8	**-1.7**	-1.1
RALSTON	230.0	RALSTON	13.8	1	83.4	99.7	80.4	93.8	**-3.0**	-5.9
MELONE1	13.8	MELONES	230.0	1	190.5	99.2	187.3	97.5	**-3.2**	-1.7
COLGATE	230.0	COLGATE2	13.8	1	150.9	100.3	147.5	97.0	**-3.4**	-3.3
SPRINGCR	13.8	SPRINGCR	230.0	1	192.1	98.5	187.8	96.3	**-4.3**	-2.2
BRIGHTON	230.0	BRGHTN M	230.0	1	149.1	103.5	143.6	99.7	**-5.5**	-3.8

Table 4

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

Rancho Seco to Bellota 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
PANOCHE	230.0	PNCHE 2M	230.0	2	121.6	99.8	124.1	101.9	**2.5**	2.1
PNCHE 2M	230.0	PANOCHE	115.0	2	120.6	99.0	123.1	101.0	**2.5**	2.0
ELVRTAX1	230.0	ELVERTA1	69.0	1	124.9	112.7	126.4	114.1	**1.5**	1.4
ELVRTAX2	230.0	ELVERTA2	69.0	1	115.5	104.0	116.3	104.8	**0.8**	0.8
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
DONNELLS	115.0	DONNELLS	13.8	1	65.6	98.1	65.6	98.0	**0.0**	-0.1
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.9	99.9	53.8	99.7	**-0.1**	-0.2
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.4	97.8	**-0.2**	-0.7
MELONE1	13.8	MELONES	230.0	1	188.2	98.0	187.4	97.6	**-0.8**	-0.4
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.3	94.7	**-0.9**	-4.9
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	103.9	196.5	103.1	**-1.5**	-0.8
BRIGHTON	230.0	BRGHTN M	230.0	1	144.1	100.0	140.5	97.6	**-3.6**	-2.4

Table 5

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

Rancho Seco to Pocket 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
BRIGHTON	230.0	BRGHTN M	230.0	1	137.7	95.6	145.2	100.9	**7.5**	5.3
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.2	98.3	62.2	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	122.9	99.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.3	35.7	101.2	**0.0**	-0.1
POCKET	230.0	POCKET 2	69.0	2	223.5	99.8	223.3	99.7	**-0.2**	-0.1
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.2	97.3	**-0.2**	-1.0
FMC	115.0	FMC CT	12.0	1	50.6	98.4	50.4	97.6	**-0.2**	-0.8
FRBSTNTP	115.0	FORBSTWN	11.5	1	30.9	100.0	30.6	98.7	**-0.3**	-1.3
BLACK	230.0	JBBLACK1	13.8	1	82.4	98.5	82.1	97.8	**-0.3**	-0.7
BLACK	230.0	JBBLACK2	13.8	1	82.4	98.5	82.1	97.8	**-0.3**	-0.7
PANOCHE	230.0	PNCHE 2M	230.0	2	122.6	100.7	121.8	100.0	**-0.8**	-0.7
PNCHE 2M	230.0	PANOCHE	115.0	2	121.7	99.9	120.8	99.2	**-0.9**	-0.7
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.1	98.9	18.3	89.6	**-1.8**	-9.3
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.4	103.9	195.6	102.8	**-1.8**	-1.1
COLGATE	230.0	COLGATE2	13.8	1	149.8	99.3	147.6	97.1	**-2.2**	-2.2
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	187.6	97.7	**-4.0**	-2.1
ELVRTAX2	230.0	ELVERTA2	69.0	1	114.7	103.3	104.4	97.6	**-10.3**	-5.7
ELVRTAX1	230.0	ELVERTA1	69.0	1	123.6	111.6	104.5	94.2	**-19.1**	-17.4

Table 6

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

Rancho Seco to Pocket 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	132.4	88.3	151.2	100.8	**18.8**	12.5
WARNERVL	230.0	WRNRVLLE	115.0	3	66.2	88.3	75.6	100.8	**9.4**	12.5
WARNERVL	230.0	WRNRVLLE	115.0	2	66.2	88.3	75.6	100.8	**9.4**	12.5
BRIGHTON	230.0	BRGHTN M	230.0	1	137.5	95.5	145.5	101.0	**8.0**	5.5
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.6	113.4	126.3	114.0	**0.7**	0.6
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.8	99.8	53.9	99.8	**0.1**	0.0
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.2	104.7	116.3	104.8	**0.1**	0.1
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.8	117.1	99.9	**0.0**	0.1
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.8	97.9	**-0.1**	-0.5
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.3	65.5	98.0	**-0.2**	-0.3
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.4	97.7	**-0.2**	-0.8
MELONE1	13.8	MELONES	230.0	1	188.8	98.3	187.8	97.8	**-1.0**	-0.5
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.2	94.1	**-1.0**	-5.5
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	104.0	196.4	103.1	**-1.6**	-0.9
PANOCHE	230.0	PNCHE 2M	230.0	2	125.0	102.6	121.9	100.1	**-3.1**	-2.5
PNCHE 2M	230.0	PANOCHE	115.0	2	124.0	101.8	120.9	99.2	**-3.1**	-2.6

Table 7

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

Rancho Seco to Hedge and Rancho Seco to Elk Grove 230 kV Lines Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
BRIGHTON	230.0	BRGHTN M	230.0	1	138.7	96.3	146.8	101.9	**8.1**	5.6
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.2	98.3	62.2	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	122.9	99.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.4	35.7	101.2	**0.0**	-0.2
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.3	97.3	**-0.1**	-1.0
POCKET	230.0	POCKET 2	69.0	2	223.6	99.8	223.4	99.7	**-0.2**	-0.1
FRBSTNTP	115.0	FORBSTWN	11.5	1	30.8	100.0	30.6	98.8	**-0.2**	-1.2
FMC	115.0	FMC CT	12.0	1	50.6	98.4	50.4	97.7	**-0.2**	-0.7
BLACK	230.0	JBBLACK1	13.8	1	82.4	98.6	82.1	97.8	**-0.3**	-0.8
BLACK	230.0	JBBLACK2	13.8	1	82.4	98.6	82.1	97.8	**-0.3**	-0.8
PANOCHE	230.0	PNCHE 2M	230.0	2	122.0	100.2	120.9	99.3	**-1.1**	-0.9
PNCHE 2M	230.0	PANOCHE	115.0	2	121.1	99.5	120.0	98.5	**-1.1**	-1.0
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.1	98.8	18.3	89.6	**-1.8**	-9.2
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.4	103.9	195.6	102.8	**-1.8**	-1.1
COLGATE	230.0	COLGATE2	13.8	1	149.8	99.3	147.6	97.2	**-2.2**	-2.1
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	187.8	97.8	**-3.8**	-2.0

Table 8

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

Rancho Seco to Hedge and Rancho Seco to Elk Grove 230 kV Lines Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	134.0	89.3	153.9	102.6	**19.9**	13.3
WARNERVL	230.0	WRNRVLLE	115.0	2	67.0	89.3	76.9	102.6	**9.9**	13.3
WARNERVL	230.0	WRNRVLLE	115.0	3	67.0	89.3	76.9	102.6	**9.9**	13.3
BRIGHTON	230.0	BRGHTN M	230.0	1	138.3	96.0	146.7	101.9	**8.4**	5.9
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.5	113.3	125.9	113.7	**0.4**	0.4
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.8	99.8	53.9	99.8	**0.1**	0.0
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.2	104.7	116.3	104.8	**0.1**	0.1
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.8	97.8	**-0.1**	-0.6
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.2	65.5	97.9	**-0.2**	-0.3
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.4	97.8	**-0.2**	-0.7
MELONE1	13.8	MELONES	230.0	1	188.5	98.2	188.0	97.9	**-0.5**	-0.3
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.2	94.1	**-1.0**	-5.5
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	104.0	196.4	103.1	**-1.6**	-0.9
PANOCHE	230.0	PNCHE 2M	230.0	2	124.6	102.3	121.3	99.6	**-3.3**	-2.7
PNCHE 2M	230.0	PANOCHE	115.0	2	123.6	101.5	120.2	98.7	**-3.4**	-2.8

Table 9

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

Hurley to Tracy 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
BRIGHTON	230.0	BRGHTN M	230.0	1	134.8	93.6	142.3	98.8	**7.5**	5.2
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.1	98.3	62.2	98.3	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.4	35.7	101.2	**0.0**	-0.2
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.3	97.4	**-0.1**	-0.9
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.3	97.3	**-0.3**	-1.2
POCKET	230.0	POCKET 2	69.0	2	223.8	99.9	223.3	99.7	**-0.5**	-0.2
BLACK	230.0	JBBLACK1	13.8	1	82.6	98.8	82.1	97.7	**-0.5**	-1.1
BLACK	230.0	JBBLACK2	13.8	1	82.6	98.8	82.1	97.7	**-0.5**	-1.1
FRBSTNTP	115.0	FORBSTWN	11.5	1	31.1	101.1	30.6	98.7	**-0.5**	-2.4
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	18.3	89.6	**-1.9**	-10.0
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.1	104.3	195.9	102.9	**-2.2**	-1.4
RALSTON	230.0	RALSTON	13.8	1	82.8	98.6	80.5	94.1	**-2.3**	-4.5
PANOCHE	230.0	PNCHE 2M	230.0	2	126.3	103.7	123.9	101.7	**-2.4**	-2.0
PNCHE 2M	230.0	PANOCHE	115.0	2	125.3	102.9	122.9	100.9	**-2.4**	-2.0
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	187.6	97.7	**-4.0**	-2.1
COLGATE	230.0	COLGATE2	13.8	1	151.8	101.2	147.7	97.2	**-4.1**	-4.0

Table 10

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

Hurley to Tracy 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	124.5	83.0	148.7	99.1	**24.2**	16.1
WARNERVL	230.0	WRNRVLLE	115.0	2	62.3	83.0	74.3	99.1	**12.0**	16.1
WARNERVL	230.0	WRNRVLLE	115.0	3	62.3	83.0	74.3	99.1	**12.0**	16.1
BRIGHTON	230.0	BRGHTN M	230.0	1	135.2	93.9	144.2	100.1	**9.0**	6.2
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.2	113.1	126.0	113.8	**0.8**	0.7
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.1	104.6	116.2	104.7	**0.1**	0.1
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.8	99.8	53.9	99.8	**0.1**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.8	117.1	99.9	**0.0**	0.1
FMC	115.0	FMC CT	12.0	1	50.6	98.4	50.6	98.5	**0.0**	0.1
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.8	98.0	**-0.1**	-0.4
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.4	65.5	98.0	**-0.2**	-0.4
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.2	94.2	**-1.0**	-5.4
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.4	104.1	196.6	103.2	**-1.8**	-0.9
MELONE1	13.8	MELONES	230.0	1	189.4	98.7	187.6	97.7	**-1.8**	-1.0
PANOCHE	230.0	PNCHE 2M	230.0	2	126.9	104.2	122.6	100.6	**-4.3**	-3.6
PNCHE 2M	230.0	PANOCHE	115.0	2	125.9	103.3	121.5	99.7	**-4.4**	-3.6

Table 11

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

Elverta to Hurley 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
BRIGHTON	230.0	BRGHTN M	230.0	1	136.7	95.0	143.7	99.8	**7.0**	4.8
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.1	99.1	20.2	99.7	**0.1**	0.6
FOLSOM	230.0	FOLSOM2	13.8	1	62.2	98.3	62.3	98.3	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
FMC	115.0	FMC CT	12.0	1	50.6	98.4	50.6	98.5	**0.0**	0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	122.9	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.3	35.7	101.2	**0.0**	-0.1
FRBSTNTP	115.0	FORBSTWN	11.5	1	30.8	99.9	30.6	98.7	**-0.2**	-1.2
POCKET	230.0	POCKET 2	69.0	2	223.5	99.8	223.2	99.7	**-0.3**	-0.1
BLACK	230.0	JBBLACK1	13.8	1	82.4	98.5	82.1	97.7	**-0.3**	-0.8
BLACK	230.0	JBBLACK2	13.8	1	82.4	98.5	82.1	97.7	**-0.3**	-0.8
PANOCHE	230.0	PNCHE 2M	230.0	2	123.0	101.0	122.5	100.6	**-0.5**	-0.4
PNCHE 2M	230.0	PANOCHE	115.0	2	122.1	100.3	121.5	99.8	**-0.6**	-0.5
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.3	103.8	195.6	102.8	**-1.7**	-1.0
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	188.9	98.4	**-2.7**	-1.4
COLGATE	230.0	COLGATE2	13.8	1	149.7	99.3	146.7	96.2	**-3.0**	-3.1

Table 12

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

Elverta to Hurley 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	131.6	87.7	149.1	99.4	**17.5**	11.7
WARNERVL	230.0	WRNRVLLE	115.0	3	65.8	87.7	74.6	99.4	**8.8**	11.7
WARNERVL	230.0	WRNRVLLE	115.0	2	65.8	97.7	74.6	99.4	**8.8**	1.7
BRIGHTON	230.0	BRGHTN M	230.0	1	136.7	94.9	144.0	100.0	**7.3**	5.1
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.5	113.3	126.1	113.9	**0.6**	0.6
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.3	104.8	116.4	104.9	**0.1**	0.1
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.8	117.1	99.9	**0.0**	0.1
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.8	99.8	53.8	99.8	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.8	98.0	**-0.1**	-0.4
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.3	65.5	98.0	**-0.2**	-0.3
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.4	97.8	**-0.2**	-0.7
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.2	94.3	**-1.0**	-5.3
MELONE1	13.8	MELONES	230.0	1	188.9	98.4	187.6	97.7	**-1.3**	-0.7
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	104.0	196.4	103.1	**-1.6**	-0.9
PANOCHE	230.0	PNCHE 2M	230.0	2	125.3	102.8	122.5	100.6	**-2.8**	-2.2
PNCHE 2M	230.0	PANOCHE	115.0	2	124.3	102.0	121.4	99.7	**-2.9**	-2.3

Table 13

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, No New Generation at Elverta

O'Banion to Elverta 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
BRIGHTON	230.0	BRGHTN M	230.0	1	136.0	94.4	142.9	99.2	**6.9**	4.8
HYATT	230.0	HYATT 2	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.8	99.2	122.9	99.2	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	37.9	100.0	38.0	100.0	**0.1**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.1	98.3	62.2	98.3	**0.1**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.5	99.6	59.6	99.6	**0.1**	0.0
HYATT	230.0	HYATT 3	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
HYATT	230.0	HYATT 5	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.8	117.1	99.9	**0.0**	0.1
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.4	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.4	99.6	46.4	99.6	**0.0**	0.0
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	122.9	99.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.5	99.6	59.5	99.6	**0.0**	0.0
WADHMJCT	60.0	WESCOT2	60.0	1	35.7	101.6	35.7	101.3	**0.0**	-0.3
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.3	97.5	**-0.1**	-0.8
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.5	98.0	**-0.1**	-0.5
POCKET	230.0	POCKET 2	69.0	2	223.7	99.9	223.3	99.7	**-0.4**	-0.2
BLACK	230.0	JBBLACK1	13.8	1	82.6	98.9	82.2	98.0	**-0.4**	-0.9
BLACK	230.0	JBBLACK2	13.8	1	82.6	98.9	82.2	98.0	**-0.4**	-0.9
FRBSTNTP	115.0	FORBSTWN	11.5	1	31.0	100.7	30.6	98.9	**-0.4**	-1.8
PANOCHE	230.0	PNCHE 2M	230.0	2	123.6	101.5	122.9	100.9	**-0.7**	-0.6
PNCHE 2M	230.0	PANOCHE	115.0	2	122.7	100.8	121.9	100.1	**-0.8**	-0.7
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	18.5	90.5	**-1.7**	-9.1
LAKEWD-C	115.0	LKWD_JCT	115.0	1	197.3	103.9	195.5	102.8	**-1.8**	-1.1
COLGATE	230.0	COLGATE2	13.8	1	151.0	100.4	147.9	97.5	**-3.1**	-2.9
MELONE1	13.8	MELONES	230.0	1	191.6	99.8	187.8	97.8	**-3.8**	-2.0
SUTTER	230.0	ELVERTAW	230.0	1	749.6	103.2	675.6	92.0	**-74.0**	-11.2

Table 14

Power Flows Without and With Cosumnes Generation
2005 Heavy Summer, 560 MW New Generation at Elverta

O'Banion to Elverta 230 kV Lines 1 and 2 Out

					Cosumnes Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
WARNERVL	230.0	WRNRVLLE	115.0	1	129.2	86.1	147.8	98.5	**18.6**	12.4
WARNERVL	230.0	WRNRVLLE	115.0	2	64.6	86.1	73.9	98.5	**9.3**	12.4
WARNERVL	230.0	WRNRVLLE	115.0	3	64.6	86.1	73.9	98.5	**9.3**	12.4
BRIGHTON	230.0	BRGHTN M	230.0	1	136.0	94.5	143.5	99.7	**7.5**	5.2
ELVRTAX1	230.0	ELVERTA1	69.0	1	125.2	113.0	126.0	113.8	**0.8**	0.8
ELVRTAX2	230.0	ELVERTA2	69.0	1	116.1	104.6	116.2	104.7	**0.1**	0.1
HYATT	230.0	HYATT 1	12.5	1	122.9	99.3	123.0	99.3	**0.1**	0.0
BLLTA 1M	230.0	BELLTA T	13.8	1	38.0	100.0	38.0	100.0	**0.0**	0.0
DRUM	115.0	DRUM 5	13.8	1	46.5	99.6	46.5	99.6	**0.0**	0.0
FOLSOM	230.0	FOLSOM2	13.8	1	62.3	98.3	62.3	98.3	**0.0**	0.0
HYATT	230.0	HYATT 2	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 3	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 4	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
HYATT	230.0	HYATT 5	12.5	1	123.0	99.3	123.0	99.3	**0.0**	0.0
HYATT	230.0	HYATT 6	12.5	1	122.9	99.2	122.9	99.2	**0.0**	0.0
POTRERO	115.0	POTRERO1	12.0	1	67.5	99.3	67.5	99.3	**0.0**	0.0
PRDE JCT	60.0	PRDE 1-3	7.2	1	18.4	98.3	18.4	98.3	**0.0**	0.0
STD. OIL	115.0	ChevGen1	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
STD. OIL	115.0	ChevGen2	13.8	1	59.6	99.6	59.6	99.6	**0.0**	0.0
TOSCO	12.5	FOSTER W	12.5	1	117.1	99.9	117.1	99.9	**0.0**	0.0
CH.STN	115.0	CH.STN.	13.8	1	23.9	98.4	23.9	98.3	**0.0**	-0.1
OREGON	115.0	OREGON1	12.5	1	22.4	106.7	22.4	106.6	**0.0**	-0.1
HNTRSPTD	12.0	HNTRS P1	12.0	1	53.9	99.9	53.8	99.8	**-0.1**	-0.1
FMC	115.0	FMC CT	12.0	1	50.6	98.5	50.5	98.0	**-0.1**	-0.5
DONNELLS	115.0	DONNELLS	13.8	1	65.7	98.4	65.5	98.0	**-0.2**	-0.4
ULTPWRJ	115.0	ULTR.PWR	9.1	1	20.2	99.6	19.3	94.8	**-0.9**	-4.8
LAKEWD-C	115.0	LKWD_JCT	115.0	1	198.0	104.0	196.4	103.1	**-1.6**	-0.9
MELONE1	13.8	MELONES	230.0	1	189.4	98.7	187.7	97.8	**-1.7**	-0.9
PANOCHE	230.0	PNCHE 2M	230.0	2	125.6	103.1	122.8	100.8	**-2.8**	-2.3
PNCHE 2M	230.0	PANOCHE	115.0	2	124.6	102.3	121.8	100.0	**-2.8**	-2.3

Table 15

Power Flows Without and With Cosumnes Generation
2004 Spring, No New Generation at Elverta

No New Generation at Elverta					Rancho Seco Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
RVRBKJCT	115.0	MANTECA	115.0	1	53.6	76.4	70.4	100.1	**16.8**	23.7
WLLW SLJ	60.0	KNGHTSLJ	60.0	1	15.2	94.2	15.9	98.5	**0.7**	4.3
KRN OL M	70.0	KERN OIL	11.0	1	5.5	109.0	5.8	115.2	**0.3**	6.2
TAFT M	115.0	TAFT	12.5	1	10.6	150.9	10.6	150.9	**0.0**	0.0
SPICER	21.0	NEWSPICE	4.2	1	5.0	99.6	5.0	99.6	**0.0**	0.0
MID CTY3	22.0	UCDMC	22.0	1	23.1	99.0	23.1	99.9	**0.0**	0.9
MNDTA TP	115.0	MENDOTA	70.0	1	18.9	151.5	18.7	149.7	**-0.2**	-1.8
TWISSLMN	70.0	TX-LOSTH	9.1	1	10.9	99.5	10.4	94.8	**-0.5**	-4.7
WITCO	115.0	GOLD.BER	9.1	1	19.1	121.5	18.5	117.9	**-0.6**	-3.6

Table 16

Power Flows Without and With Cosumnes Generation
2004 Spring, 560 MW New Generation at Elverta

560 MW New Generation at Elverta					Rancho Seco Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
RVRBKJCT	115.0	MANTECA	115.0	1	58.2	82.9	75.1	106.9	**16.9**	24.0
WESTLEY	230.0	TRCY PMP	230.0	1	348.0	97.4	361.5	101.9	**13.5**	4.5
KRN OL M	70.0	KERN OIL	11.0	1	5.6	111.6	6.0	119.4	**0.4**	7.8
WLLW SLJ	60.0	KNGHTSLJ	60.0	1	15.3	95.0	16.1	100.0	**0.8**	5.0
TAFT M	115.0	TAFT	12.5	1	10.6	150.9	10.6	150.9	**0.0**	0.0
SPICER	21.0	NEWSPICE	4.2	1	5.0	99.6	5.0	99.6	**0.0**	0.0
MID CTY3	22.0	UCDMC	22.0	1	23.1	99.6	23.1	100.4	**0.0**	0.8
MNDTA TP	115.0	MENDOTA	70.0	1	18.8	150.7	18.7	149.4	**-0.1**	-1.3
WITCO	115.0	GOLD.BER	9.1	1	18.8	120.0	18.3	116.6	**-0.5**	-3.4

Table 17

Power Flows Without and With Cosumnes Generation
2004 Spring, No New Generation at Elverta

Rancho Seco to Bellota 230 kV Lines 1 and 2 Out

					Rancho Seco Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
HURLEY S	230.0	PROCTER	230.0	1	65.4	15.2	590.1	139.7	**524.7**	124.5
HEDGE	230.0	PROCTER	230.0	1	95.7	22.2	445.6	104.8	**349.9**	82.6
HURLEY W	230.0	TRCY PMP	230.0	2	128.2	39.7	365.4	115.6	**237.2**	75.9
HURLEY W	230.0	TRCY PMP	230.0	1	125.5	38.9	357.0	113.0	**231.5**	74.1
WESTLEY	230.0	TRCY PMP	230.0	1	334.7	93.3	408.9	115.4	**74.2**	22.1
KRN OL M	70.0	KERN OIL	11.0	1	5.4	108.9	5.7	114.8	**0.3**	5.9
MNDTA TP	115.0	MENDOTA	70.0	1	19.0	151.7	19.0	151.7	**0.0**	0.0
TAFT M	115.0	TAFT	12.5	1	10.6	150.9	10.6	150.9	**0.0**	0.0
SPICER	21.0	NEWSPICE	4.2	1	5.0	99.6	5.0	99.6	**0.0**	0.0
TWISSLMN	70.0	TX-LOSTH	9.1	1	10.9	99.5	10.5	95.0	**-0.4**	-4.5
MID CTY3	22.0	UCDMC	22.0	1	23.1	99.2	22.7	99.0	**-0.4**	-0.2
WITCO	115.0	GOLD.BER	9.1	1	19.1	121.5	18.6	118.4	**-0.5**	-3.1

Table 18

Power Flows Without and With Cosumnes Generation
2004 Spring, 560 MW New Generation at Elverta

Rancho Seco to Bellota 230 kV Lines 1 and 2 Out

					Rancho Seco Generation					
From		To			0 MW		1000 MW		Increase	
Name	kV	Name	kV	ID	MVA	% Rate	MVA	% Rate	**MVA**	% Rate
HURLEY S	230.0	PROCTER	230.0	1	67.5	15.8	577.5	138.4	**510.0**	122.6
HEDGE	230.0	PROCTER	230.0	1	108.6	25.3	432.4	102.4	**323.8**	77.1
HURLEY W	230.0	TRCY PMP	230.0	1	256.0	79.9	497.3	159.3	**241.3**	79.4
HURLEY W	230.0	TRCY PMP	230.0	2	262.0	81.7	485.7	155.5	**223.7**	73.8
COTWDPGE	230.0	COTWDWAP	230.0	1	395.6	77.7	513.3	101.5	**117.7**	23.8
WESTLEY	230.0	TRCY PMP	230.0	1	378.7	106.4	448.2	127.8	**69.5**	21.4
KRN OL M	70.0	KERN OIL	11.0	1	5.6	111.1	5.9	118.0	**0.3**	6.9
MNDTA TP	115.0	MENDOTA	70.0	1	18.9	151.4	18.9	151.4	**0.0**	0.0
TAFT M	115.0	TAFT	12.5	1	10.6	150.9	10.6	150.9	**0.0**	0.0
SPICER	21.0	NEWSPICE	4.2	1	5.0	99.6	5.0	99.6	**0.0**	0.0
WITCO	115.0	GOLD.BER	9.1	1	18.9	120.5	18.6	118.3	**-0.3**	-2.2
MID CTY3	22.0	UCDMC	22.0	1	23.1	99.9	22.2	96.5	**-0.9**	-3.4