APPENDIX C2 – WINTER OFF-PEAK OPERATING CONDITIONS
STEADY STATE POWER FLOW RESULTS
AUTOCON NORMAL COMPARISON FILES

Hyperlink to: Normal B_cases

Normal

From Bus	Name	kV	Ar	To Bus	Name	kV	Ar	ID	Base MW	Base MVAR	Rate 1 PU Loading	Rate 1 Flow	Rate 1 Rating	File
30015	TABLE MT	500	30	30066	TB MT 1M	500	30	1	-1094	229	1	1117 MVA	1120 MVA	2004Winop_CVEC_afterB2_Renum
30015	TABLE MT	500	30	30066	TB MT 1M	500	30	1	-1084	240	0.99	1111 MVA	1120 MVA	2004Winop_CVEC_beforeB2_Renum
30050	LOSBANOS	500	30	30055	GATES	500	30	1	-1600	184	1	1807 AMPS	1799.95 AMPS	2004Winop_CVEC_afterB2_Renum
30050	LOSBANOS	500	30	30055	GATES	500	30	1	-1418	181	0.88	1591 AMPS	1799.95 AMPS	2004Winop_CVEC_beforeB2_Renum
30050	LOSBANOS	500	30	30060	MIDWAY	500	30	1	-1638	213	1.03	1854 AMPS	1799.95 AMPS	2004Winop_CVEC_afterB2_Renum
30050	LOSBANOS	500	30	30060	MIDWAY	500	30	1	-1515	203	0.95	1702 AMPS	1799.95 AMPS	2004Winop_CVEC_beforeB2_Renum
30067	VC DX11M	500	30	32152	VC DX11T	14	30	1	0	92	1.23	92 MVA	74.7 MVA	2004Winop_CVEC_afterB2_Renum
30067	VC DX11M	500	30	32152	VC DX11T	14	30	1	0	93	1.24	93 MVA	74.7 MVA	2004Winop_CVEC_beforeB2_Renum
32762	STD. OIL	115	30	32921	ChevGen1	14	30	1	54	34	1	64 MVA	64 MVA	2004Winop_CVEC_afterB2_Renum
32762	STD. OIL	115	30	32921	ChevGen1	14	30	1	54	34	1	64 MVA	64 MVA	2004Winop_CVEC_beforeB2_Renum
32762	STD. OIL	115	30	32922	ChevGen2	14	30	1	54	34	1	64 MVA	64 MVA	2004Winop_CVEC_afterB2_Renum
32762	STD. OIL	115	30	32922	ChevGen2	14	30	1	54	34	1	64 MVA	64 MVA	2004Winop_CVEC_beforeB2_Renum
33150	TOSCO	12	30	33151	FOSTER W	12	30	1	-102	-64	1.03	5462 AMPS	5324.4 AMPS	2004Winop_CVEC_afterB2_Renum
33150	TOSCO	12	30	33151	FOSTER W	12	30	1	-102	-64	1.03	5462 AMPS	5324.4 AMPS	2004Winop_CVEC_beforeB2_Renum
33620	AM FORST	60	30	33826	MARTELL	9	30	1	-15	5	1.22	15 MVA	12.5 MVA	2004Winop_CVEC_afterB2_Renum
33620	AM FORST	60	30	33826	MARTELL	9	30	1	-15	5	1.23	15 MVA	12.5 MVA	2004Winop_CVEC_beforeB2_Renum
33906	SPRNG GF	115	30	34078	SPRNG GF	6	30	1	-7	3	1.01	8 MVA	7.5 MVA	2004Winop_CVEC_afterB2_Renum
33906	SPRNG GF	115	30	34078	SPRNG GF	6	30	1	-7	3	1.01	8 MVA	7.5 MVA	2004Winop_CVEC_beforeB2_Renum
34570	COLNGA 2	70	30	34652	CHV.COAL	9	30	1	-3	20	1.43	20 MVA	14 MVA	2004Winop_CVEC_afterB2_Renum
34570	COLNGA 2	70	30	34652	CHV.COAL	9	30	1	-3	20	1.43	20 MVA	14 MVA	2004Winop_CVEC_beforeB2_Renum
37210	MID CTY3	22	30	37211	UCDMC	22	30	1	22	-13	1.04	643 AMPS	619.34 AMPS	2004Winop_CVEC_afterB2_Renum
37210	MID CTY3	22	30	37211	UCDMC	22	30	1	22	-13	1.04	641 AMPS	619.34 AMPS	2004Winop_CVEC_beforeB2_Renum
37211	UCDMC	22	30	37320	UCDMC	13	30	1	-22	13	1.04	26 MVA	25 MVA	2004Winop_CVEC_afterB2_Renum
37211	UCDMC	22	30	37320	UCDMC	13	30	1	-22	13	1.04	26 MVA	25 MVA	2004Winop_CVEC_beforeB2_Renum
37568	FIDDYMNT	230	30	37574	FIDDYMNT	60	30	1	-34	151	1.03	155 MVA	150 MVA	2004Winop_CVEC_afterB2_Renum

37568	FIDDYMNT	230	30	37574	FIDDYMNT	60	30	1	-34	152	1.04	156 MVA	150 MVA	2004Winop_CVEC_beforeB2_Renum
37568	FIDDYMNT	230	30	37574	FIDDYMNT	60	30	2	43	191	1.31	196 MVA	150 MVA	2004Winop_CVEC_afterB2_Renum
37568	FIDDYMNT	230	30	37574	FIDDYMNT	60	30	2	43	192	1.31	197 MVA	150 MVA	2004Winop_CVEC_beforeB2_Renum

Hyperlink to: Normal B_cases

B_cases

From Bus	Name	kV	Ar	To Bus	Name	kV	Ar	ID	Rate1 Base	Rate2 Out	MW	MVAR	Flow	Rating	File	Out#
30825	MCMULLN1	230	30	30830	KEARNEY	230	30	1	0.88	1.09	522.11	-9.55	1303.91 AMPS	1199.89 AMPS	2004Winop_CVEC_afterB2_Renum	388
No Violation																
30825	MCMULLN1	230	30	30830	KEARNEY	230	30	1	0.88	1.11	531.88	-7.4	1329.43 AMPS	1199.89 AMPS	2004Winop_CVEC_afterB2_Renum	495
No Violation																
30825	MCMULLN1	230	30	30830	KEARNEY	230	30	1	0.88	1.09	522.11	-9.55	1303.91 AMPS	1199.89 AMPS	2004Winop_CVEC_afterB1	58
No Violation																
34475	AGRCJCT	70	30	34484	KERMAN	70	30	1	0.58	1.08	72.51	-11.77	556.02 AMPS	515.00 AMPS	2004Winop_CVEC_afterB1	1
34475	AGRCJCT	70	30	34484	KERMAN	70	30	1	0.58	0.72	48.11	-9.62	375.03 AMPS	515.00 AMPS	2004Winop_CVEC_beforeB1	1
34475	AGRCJCT	70	30	34484	KERMAN	70	30	1	0.58	1.10	73.57	-15.37	566.48 AMPS	515.00 AMPS	2004Winop_CVEC_afterB2_Renum	497
34475	AGRCJCT	70	30	34484	KERMAN	70	30	1	0.58	0.74	48.96	-11.67	382.98 AMPS	515.00 AMPS	2004Winop_CVEC_beforeB2_Renum	497
34480	KEARNEY	70	30	34484	KERMAN	70	30	1	0.62	1.00	-62.28	21.56	515.36 AMPS	515.00 AMPS	2004Winop_CVEC_afterB1	1
34480	KEARNEY	70	30	34484	KERMAN	70	30	1	0.62	0.65	-40.6	13.92	334.48 AMPS	515.00 AMPS	2004Winop_CVEC_beforeB1	1
34480	KEARNEY	70	30	34484	KERMAN	70	30	1	0.62	1.02	-63.14	25.56	526.58 AMPS	515.00 AMPS	2004Winop_CVEC_afterB2_Renum	497
34480	KEARNEY	70	30	34484	KERMAN	70	30	1	0.62	0.66	-41.35	16.17	343.11 AMPS	515.00 AMPS	2004Winop_CVEC_beforeB2_Renum	497
30060	MIDWAY	500	30	30970	MIDWAY	230	30	1	0.76	1.2	-1301.64	349.81	1347.82 MVA	1120 MVA	2004Winop_CVEC_afterB1	246
30060	MIDWAY	500	30	30970	MIDWAY	230	30	1	0.74	1.16	-1245.59	358.04	1296.02 MVA	1120 MVA	2004Winop_CVEC_beforeB1	246