

The attached Planning FCITC study (05SPScen3.xls) indicates 790.5 MW of FCITC between OG&E and Redbud for the 2005 Summer without McClain running to serve OG&E native load and with the upgrades agreed to by OG&E in the FERC Settlement associated with McClain acquisition."

MUST 7.0 -- Managing and Utilizing System Transmission -- TUE, MAY 17 2005 8:07
 2005 SPP UPDATE 2 REDUCED MODELS (MARCH 14, 2005)
 2005 SUMMER PEAK SPP-2005-BC 3
 Case File C:\Transmission Planning\Studies\Redbud FCITC\MccIainReducedby400MW\BC-05SP3.SAV
 Subsys File C:\Transmission Planning\Studies\Redbud FCITC\redbud_summer_peak.sub
 Mont File C:\Transmission Planning\Studies\Redbud FCITC\New Model.MON
 Contn File C:\Transmission Planning\Studies\Redbud FCITC\New Model.CON
 Exclud File none
 Study transfer level - 1200.0 MW. Total violations: 16429
 First violation - 790.5 MW.

Study transfer. From RED_EXPORT To OGE_CITY_IMP . Transfer Level - 1200.0 MW

Violations report ordered by transfer capability. Total 16429 violations

INCR.	Export	Import	LIMITING ELEMENT	DISTR. FACTOR	PRE-RATING SHIFT BAS/CNT	CONTINGENCY DESCRIPTION
TEANS			<----->			
CAPAB			<----->			
790.5	790.5	824.0	FROM SIVRLAK4 138 54853 DIVISION4 138 1	0.12762	185.9	54880 NORTHST7 345 54901 CIMARON7 345 1
907.9	907.9	706.5	ARCADIAT 345 54909 REDBUD 7 345 2	-0.87055	-404.5	54908 ARCADIA7 345 54909 REDBUD 7 345 1
910.8	910.8	703.6	ARCADIAT 345 54909 REDBUD 7 345 1	-0.86872	-403.7	54908 ARCADIA7 345 54909 REDBUD 7 345 1
996.1	996.1	618.4	STNWAL 4 138 54872 REMPLTP4 138 1	-0.04286	-148.2	54835 MEMRIAL4 138 54837 TENESTP4 138 1
1002.4	1002.4	612.1	QUAILICK4 138 54873 LNEOAK 4 138 1	-0.08224	-225.0	54854 BRADEN 4 138 54879 NORTHST4 138 1
1034.4	1034.4	580.1	QUAILICK4 138 54873 LNEOAK 4 138 1	-0.08224	-222.4	54852 SIVRLAK4 138 54854 BRADEN 4 138 1
1080.0	1080.0	534.5	REDBUD 7 345 B5540 REDBUD3 1.00 1	-0.33333	-0.0	54852 SIVRLAK4 138 54854 BRADEN 4 138 1
1080.0	1080.0	534.5	REDBUD 7 345 B5540 REDBUD3 1.00 1	-0.33333	-0.0	Open 99506 SMOR-W 161 99507 SMOR-E 161 1
1080.0	1080.0	534.5	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 99507 SMOR-E 161 99508 GLEASN 161 1
1080.0	1080.0	534.5	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 57245 KU CAMP3 115 57257 19THSTJ3 115 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5540 REDBUD3 1.00 1	-0.33333	-0.0	Open 57245 KU CAMP3 115 57257 19THSTJ3 115 1
1080.0	1080.0	534.5	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 99262 3MONT-E# 115 B5044 1.00 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 52515 MONTROS269.0 B5044 1.00 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 52516 MONTROS113.8 B5044 1.00 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 99508 GLEASN 161 99510 5CONW-W 161 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 99508 GLEASN 161 99510 5CONW-W 161 1
1080.0	1080.0	534.5*	REDBUD 7 345 B5539 REDBUD2 1.00 1	-0.33333	-0.0	Open 99318 3GLENDL 115 B5042 1.00 1

Bus#	BusName	KV	NAr	Zne	ParFact	Pload	Pmin	Pmax	Pgen	Reserv-	Reserv+	NewGen	Change	Viol					
1080.0	1080.0	534.5	54909	REDBUD	7	345	B8540	REDBUD3	1.00	1	-0.33333	Open 52517	GLENDLE269.0	B8042	1.00	1			
1080.0	1080.0	534.5	54909	REDBUD	7	345	B8539	REDBUD2	1.00	1	-0.33333	Open 52518	GLENDLE113.8	B8042	1.00	1			
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 53602	SABMINT4	138	53605	SEMRSHL4	138	1	2738
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 53602	SABMINT4	138	53605	SEMRSHL4	138	1	2738
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 99509	SCONW-S	161	99512	SCONIND	161	1	1827
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 99509	SCONW-S	161	99512	SCONIND	161	1	1827
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 54970	DEEPRKT269.0	54971	GRNPAST269.0	1	1	3645	
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 54970	DEEPRKT269.0	54971	GRNPAST269.0	1	1	3645	
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 54970	DEEPRKT269.0	54971	GRNPAST269.0	1	1	3645	
1080.4	1080.4	534.1	54909	REDBUD	7	345	B8538	REDBUD1	1.00	1	-0.33333	Open 54970	DEEPRKT269.0	54971	GRNPAST269.0	1	1	3645	
1103.3	1103.3	511.2	54908	ARCADIA7	345	B8111	ARCADIA21.00	1	0.21574	253.5	491.5	Open 54907	ARCADIA4	138	B8112	ARCADIA31.00	1	3565	
1103.3	1103.3	511.2	54908	ARCADIA7	345	B8111	ARCADIA21.00	1	0.21574	253.5	491.5	Open 54908	ARCADIA7	345	B8112	ARCADIA31.00	1	3565	
1107.2	1107.2	507.3	54907	ARCADIA4	138	B8111	ARCADIA21.00	1	-0.21574	-253.2	492.1	Open 55704	ARCADIA3113.8	B8112	ARCADIA31.00	1	3565		
1107.2	1107.2	507.3	54907	ARCADIA4	138	B8111	ARCADIA21.00	1	-0.21574	-253.2	492.1	Open 55704	ARCADIA3113.8	B8112	ARCADIA31.00	1	3565		
1140.2	1140.2	474.3	54906	JNSKAMO4	138	54907	ARCADIA4	138	1	-0.20362	-75.3	Open 54907	ARCADIA4	138	B8112	ARCADIA31.00	1	3540	
1140.2	1140.2	474.3	54906	JNSKAMO4	138	54907	ARCADIA4	138	1	-0.20362	-75.3	Open 54908	ARCADIA7	345	B8112	ARCADIA31.00	1	3540	
1147.1	1147.1	467.3	54906	JNSKAMO4	138	54941	HSL	4	138	1	0.20456	Open 54880	NORTWST7	345	54908	ARCADIA7	345	1	3540
1147.1	1147.1	467.3	54906	JNSKAMO4	138	54941	HSL	4	138	1	0.20456	Open 54880	NORTWST7	345	54908	ARCADIA7	345	1	3540
1148.5	1148.5	466.0	54852	SLVRLAK4	138	54853	DVISION4	138	1	0.10927	161.3	Open 54835	MEMRIAL4	138	54850	SKYLINE4	138	1	3564
1148.5	1148.5	466.0	54852	SLVRLAK4	138	54853	DVISION4	138	1	0.10927	161.3	Open 54835	MEMRIAL4	138	54850	SKYLINE4	138	1	3564
1161.3	1161.3	453.2	54908	ARCADIA7	345	B8112	ARCADIA31.00	1	0.21047	247.2	491.6	Open 54907	ARCADIA4	138	B8111	ARCADIA21.00	1	3564	
1161.3	1161.3	453.2	54908	ARCADIA7	345	B8112	ARCADIA31.00	1	0.21047	247.2	491.6	Open 54908	ARCADIA7	345	B8111	ARCADIA21.00	1	3564	
1164.7	1164.7	449.8	54907	ARCADIA4	138	B8112	ARCADIA31.00	1	-0.21047	-247.0	492.1	Open 55703	ARCADIA2113.8	B8111	ARCADIA21.00	1	3564		
1164.7	1164.7	449.8	54907	ARCADIA4	138	B8112	ARCADIA31.00	1	-0.21047	-247.0	492.1	Open 55703	ARCADIA2113.8	B8111	ARCADIA21.00	1	3564		
1168.6	1168.6	445.9	54880	NORTWST7	345	B8478	NORTWST21.00	1	0.09835	369.1	484.0	Open 54879	NORTWST4	138	B8479	NORTWST31.00	1	3537	
1168.6	1168.6	445.9	54880	NORTWST7	345	B8478	NORTWST21.00	1	0.09835	369.1	484.0	Open 54879	NORTWST4	138	B8479	NORTWST31.00	1	3537	
1175.5	1175.5	439.0*	54852	SLVRLAK4	138	54853	DVISION4	138	1	0.08581	185.9	Open 54880	NORTWST7	345	B8479	NORTWST31.00	1	3480	
1175.5	1175.5	439.0*	54852	SLVRLAK4	138	54853	DVISION4	138	1	0.08581	185.9	Open 54880	NORTWST7	345	B8479	NORTWST31.00	1	3480	
1198.5	1198.5	416.0	54906	JNSKAMO4	138	54941	HSL	4	138	1	0.17729	Open 54835	MEMRIAL4	138	54837	TENESTP4	138	1	3479
1198.5	1198.5	416.0	54906	JNSKAMO4	138	54941	HSL	4	138	1	0.17729	Open 54835	MEMRIAL4	138	54837	TENESTP4	138	1	3479

Generation/Load adjustments in the [RED_EXPORT] sub-system. Type ExportDefOff.
 Total change 1200.0 MW. (! Load Changes are shown with negative sign)

54911 REDBUD2G18.0	524	245	234.00	0.0	0.0	234.0	0.0	0.0	234.0	221.8	221.8
54912 REDBUD3G18.0	524	245	234.00	0.0	0.0	234.0	0.0	0.0	234.0	221.8	221.8
Total			1266.00	0.0	0.0	1266.0	0.0	0.0	1266.0		

Maximum transfers without violating limits with specified participation factors
 Import= 0.0 MW. Export= 1266.0 MW

Generation/Load adjustments in the [OGE_CITY_IMP] sub-system. Type ImportSpec.
 Total Change -1200.0 MW. (! Load Changes are shown with negative sign)

Bus#	BusName	KV	NAr	Zne	ParFact	Pload	Pmin	Pmax	Egen	Reserv-	Reserv+	NewGen	Change	Viol
54856	MUSTNG1G14.0	524	245		29.00	0.0	0.0	53.0	29.0	29.0	24.0	7.5	-21.5	
54857	MUSTNG2G13.8	524	245		37.00	0.0	0.0	53.0	37.0	37.0	16.0	9.6	-27.4	
54858	MUSTNG3G20.9	524	245		76.00	0.0	0.0	115.5	76.0	76.0	39.5	19.8	-56.2	
54859	MUSTNG4G20.9	524	245		226.00	0.0	0.0	250.0	226.0	226.0	24.0	58.8	-167.2	
54935	HSL	6617.1	524	245	134.00	0.0	0.0	168.5	134.0	134.0	34.5	34.8	-99.2	
54936	HSL	7520.9	524	245	208.00	0.0	0.0	211.5	208.0	208.0	3.5	54.1	-153.9	
54938	HSL	7613.2	524	245	20.00	0.0	0.0	16.0	20.0	20.0	-4.0	5.2	-14.8	
54939	HSL	8622.8	524	245	300.00	0.0	0.0	380.5	300.0	300.0	80.5	78.0	-222.0	
54944	HSL	9613.8	524	245	42.00	0.0	0.0	45.5	42.0	42.0	3.5	10.9	-31.1	
54945	HSL	10613.8	524	245	42.00	0.0	0.0	45.5	42.0	42.0	3.5	10.9	-31.1	
55041	SEMINL2G17.1	524	244		507.60	0.0	0.0	507.6	507.6	507.6	0.0	132.0	-375.6	
Total					1621.60	0.0	0.0	1846.6	1621.6	1621.6	225.0			

Maximum transfers without violating limits with specified participation factors
 Import= 1621.6 MW. Export= 0.0 MW