

"The attached Planning FCITC study (05SPScen3ratingsmod.xls) indicates less than zero FCITC between OG&E and Redbud for the 2005 Summer without McClain running to serve OG&E native load and without the upgrades agreed to by OG&E in the FERC Settlement associated with the McClain acquisition.

MUST 7.0 -- Managing and Utilizing System Transmission -- TUE, MAY 17 2005 9:10  
 2005 SPP UPDATE 2 REDUCED MODELS (MARCH 14, 2005)  
 2005 SUMMER PEAK SPP-2005-BC 3  
 Case File C:\Transmission Planning\Studies\Redbud FCITC\McClainReducedby400MW\BC-05SP3ratingmod.SAV  
 Subsys File C:\Transmission Planning\Studies\Redbud FCITC\redbud\_summer\_peak.sub  
 Montl File C:\Transmission Planning\Studies\Redbud FCITC\New Model.MON  
 Contin File C:\Transmission Planning\Studies\Redbud FCITC\New Model.CON  
 Exclud File none

Study transfer level - 1200.0 MW. Total violations: 16433  
 First violation - -162.2 MW.

Study transfer From RED\_EXPORT To OGE\_CITY\_IMP . Transfer level - 1200.0 MW

Violations report ordered by transfer capability. Total 16433 violations

INCR.	Export	Import	----->	LIMITING ELEMENT	----->	DISTR.	PRE-RATING	----->	CONTINGENCY DESCRIPTION	----->
TRANS				FROM	TO	FACTOR	SHIFT BAS/CNT			
CAPAB							MW	A/B		
-162.2		1776.7		54934 DRAPER 7 345 B&230 DRAPER3 1.00 1		0.04920	488.0	480.0	3mnd: OPEN B&231 DRAPER 1	3606
-162.2		1776.7		54934 DRAPER 7 345 B&230 DRAPER3 1.00 1		0.04920	488.0	480.0	3mnd: OPEN B&231 DRAPER 1	3606
-162.2		1776.7		54934 DRAPER 7 345 B&231 DRAPER4 1.00 1		0.04920	488.0	480.0	3mnd: OPEN B&230 DRAPER 1	3605
-26.5		1641.0		54933 DRAPER 4 138 B&231 DRAPER4 1.00 1		-0.04920	-487.3	485.9	3mnd: OPEN B&230 DRAPER 1	3605
-26.5		1641.0		54933 DRAPER 4 138 B&230 DRAPER3 1.00 1		-0.04920	-487.3	485.9	3mnd: OPEN B&231 DRAPER 1	3606
768.4	768.4	846.1		54852 SLYRIAK4 138 54853 DIVISION4 138 1		0.12784	188.5	286.7	54880 NORTHST7 345 54901 CIMARON7 345 1	3539
823.9	823.9	790.5		54835 MEMRIAL4 138 54850 SKYLINE4 138 1		-0.12943	-180.3	286.9	56174 OHHAFFER4 138 54833 DANFRTTH4 138 1	5396
857.6	857.6	756.9		54870 STNNAL 4 138 54872 REMPKTP4 138 1		-0.04346	-153.6	190.8	54835 MEMRIAL4 138 54837 TENESTP4 138 1	3480
908.3	908.3	706.2		54908 ARCADIA7 345 54909 REDBUD 7 345 2		-0.87053	-404.3	1195.0	54908 ARCADIA7 345 54909 REDBUD 7 345 1	3566
911.2	911.2	703.3		54908 ARCADIA7 345 54909 REDBUD 7 345 1		-0.86870	-403.4	1195.0	54908 ARCADIA7 345 54909 REDBUD 7 345 2	3567

920.4	920.4	694.0	54851	QUAILCK4	138	54873	LINEOK4	4	138	1	-0.08293	-231.1	307.4	54854	BRADEN	4	138	54879	NORTWST4	138	1	3510		
															Open	54854	BRADEN	4	138	54879	NORTWST4	138	1	
952.2	952.2	662.2	54851	QUAILCK4	138	54873	LINEOK4	4	138	1	-0.08293	-228.5	307.4	54852	SLVRLAK4	138	54854	BRADEN	4	138	1	3507		
															Open	54852	SLVRLAK4	138	54854	BRADEN	4	138	1	
977.0	977.0	637.4	54835	MEMRIAL4	138	54850	SKYLINE4	138	1	-0.12943	-160.5	286.9	56174	OMHAER4	138	54832	EASTERNA	4	138	1	5395			
															Open	56174	OMHAER4	138	54832	EASTERNA	4	138	1	
1064.1	1064.1	550.4*	54835	MEMRIAL4	138	54850	SKYLINE4	138	1	-0.12123	-157.9	286.9	54852	SLVRLAK4	138	54853	DIVISION4	138	1	3506				
															Open	54852	SLVRLAK4	138	54853	DIVISION4	138	1	3506	
1065.5	1065.5	549.0	54908	ARCADIAT	345	B8111	ARCADIAT21	1.00	1	0.21659	260.7	491.5	3wnd:	OPEN	B8112	ARCADIAT3	1					3565		
															Open	54907	ARCADIAT4	138	B8112	ARCADIAT31	1.00	1		
															Open	54908	ARCADIAT7	345	B8112	ARCADIAT31	1.00	1		
															Open	55704	ARCADI3113	8	B8112	ARCADIAT31	1.00	1		
															Open	55704	ARCADI3113	8	B8112	ARCADIAT31	1.00	1		
1069.6	1069.6	544.9	54907	ARCADIAT4	138	B8111	ARCADIAT21	1.00	1	-0.21659	-260.4	492.1	3wnd:	OPEN	B8479	NORTWST3	1					3565		
															Open	54907	ARCADIAT4	138	B8112	ARCADIAT31	1.00	1		
															Open	54908	ARCADIAT7	345	B8112	ARCADIAT31	1.00	1		
															Open	55704	ARCADI3113	8	B8112	ARCADIAT31	1.00	1		
1070.9	1070.9	543.6	54880	NORTWST7	345	B8478	NORTWST21	1.00	1	0.09927	377.5	483.8	3wnd:	OPEN	B8479	NORTWST3	1					3537		
															Open	54879	NORTWST4	138	B8479	NORTWST31	1.00	1		
															Open	54880	NORTWST7	345	B8479	NORTWST31	1.00	1		
															Open	55743	NORTWST3113	8	B8479	NORTWST31	1.00	1		
1074.9	1074.9	539.6	54852	SLVRLAK4	138	54853	DIVISION4	138	1	0.11010	168.4	286.7	54835	MEMRIAL4	138	54850	SKYLINE4	138	1	3482				
															Open	54835	MEMRIAL4	138	54850	SKYLINE4	138	1		
1080.0	1080.0	534.5	54909	REDBUD	7	B8540	REDBUD3	1.00	1	-0.33333	-0.0	360.0	53602	SABMINT4	138	53605	SEMRSH4	138	1	2738				
															Open	54835	MEMRIAL4	138	54850	SKYLINE4	138	1		
1080.0	1080.0	534.5	54909	REDBUD	7	B8540	REDBUD3	1.00	1	-0.33333	-0.0	360.0	53607	SOTXEST4	138	53630	TEXEST4	138	1	2741				
															Open	53607	SOTXEST4	138	53630	TEXEST4	138	1		
1080.0	1080.0	534.5*	54909	REDBUD	7	B8540	REDBUD3	1.00	1	-0.33333	-0.0	360.0	57248	IEC	U3	3	115	57252	MIDLAND3	115	1	4559		
															Open	53609	LEBRCK7	345	53637	TENRUSK7	345	1		
1080.0	1080.0	534.5	54909	REDBUD	7	B8539	REDBUD2	1.00	1	-0.33333	-0.0	360.0	99511	3CONW-W	115	99513	3IK	CON	115	1	1829			
															Open	57248	IEC	U3	3	115	57252	MIDLAND3	115	1
1080.0	1080.0	534.5	54909	REDBUD	7	B8539	REDBUD2	1.00	1	-0.33333	-0.0	360.0	57248	IEC	U3	3	115	57252	MIDLAND3	115	1	4559		
															Open	57248	IEC	U3	3	115	57252	MIDLAND3	115	1
1080.0	1080.0	534.5*	54909	REDBUD	7	B8539	REDBUD2	1.00	1	-0.33333	-0.0	360.0	3wnd:	OPEN	B8032							8		
															Open	99781	STRUM-W	#	161	B8032		1.00	1	
															Open	52539	TRUMANW	269	0	B8032		1.00	1	
															Open	52540	TRUMANW	113	8	B8032		1.00	1	
1080.0	1080.0	534.5	54909	REDBUD	7	B8539	REDBUD2	1.00	1	-0.33333	-0.0	360.0												
1080.0	1080.0	534.5	54909	REDBUD	7	B8539	REDBUD2	1.00	1	-0.33333	-0.0	360.0												
1080.4	1080.4	534.0	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0	99515	5HAMLET*	161	99516	5GOLDR*	161	1	1833				
															Open	53609	LEBRCK7	345	53637	TENRUSK7	345	1		
1080.4	1080.4	534.0*	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0	57248	IEC	U3	3	115	57250	IMRNCHL3	115	1	4558		
															Open	99515	5HAMLET*	161	99516	5GOLDR*	161	1		
1080.4	1080.4	534.0	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0	57248	IEC	U3	3	115	57250	IMRNCHL3	115	1	4558		
															Open	57248	IEC	U3	3	115	57250	IMRNCHL3	115	1
1080.4	1080.4	534.0	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0												
1080.4	1080.4	534.0	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0												
1080.4	1080.4	534.0	54909	REDBUD	7	B8538	REDBUD1	1.00	1	-0.33333	0.1	360.0												
1100.5	1100.5	514.0*	54852	SLVRLAK4	138	54853	DIVISION4	138	1	0.08643	191.6	286.7	54835	MEMRIAL4	138	54837	TENESTP4	138	1	3480				
															Open	54835	MEMRIAL4	138	54837	TENESTP4	138	1		
1107.9	1107.9	506.6	54906	JNSKAMO4	138	54907	ARCADIAT4	138	1	-0.20427	-81.1	307.4	54880	NORTWST7	345	54908	ARCADIAT7	345	1	3540				
															Open	54880	NORTWST7	345	54908	ARCADIAT7	345	1		
1112.4	1112.4	502.1	54906	JNSKAMO4	138	54941	HSL	4	138	1	0.20525	57.9	286.2	54880	NORTWST7	345	54908	ARCADIAT7	345	1	3540			
															Open	54880	NORTWST7	345	54908	ARCADIAT7	345	1		

1114.1	1114.1	500.4	54879	NORTWST4	138	BS478	NORTWST21.00	1	-0.09927	-376.9	487.5	3wnd: OPEN BS479	NORTWST3	1	3537					
			Open	54879	NORTWST4	138	BS479	NORTWST31.00	1											
			Open	54880	NORTWST7	345	BS479	NORTWST31.00	1											
			Open	55743	NORTWS3113.8	BS479	NORTWST31.00	1												
1123.2	1123.2	491.3	54908	ARCADIA7	345	BS112	ARCADIA31.00	1	0.21130	254.3	491.6	3wnd: OPEN BS111	ARCADIA2	1	3564					
			Open	54907	ARCADIA4	138	BS111	ARCADIA21.00	1											
			Open	54908	ARCADIA7	345	BS111	ARCADIA21.00	1											
			Open	55703	ARCADI2113.8	BS111	ARCADIA21.00	1												
1126.8	1126.8	487.7	54907	ARCADIA4	138	BS112	ARCADIA31.00	1	-0.21130	-254.1	492.2	3wnd: OPEN BS111	ARCADIA2	1	3564					
			Open	54907	ARCADIA4	138	BS111	ARCADIA21.00	1											
			Open	54908	ARCADIA7	345	BS111	ARCADIA21.00	1											
			Open	55703	ARCADI2113.8	BS111	ARCADIA21.00	1												
1153.7	1153.7	460.7	54906	JNSKAMO4	138	54907	ARCADIA4	138	1	0.17806	80.7	286.2	54833	DANFRTH4	138	54907	ARCADIA4	138	1	3479
			Open	54833	DANFRTH4	138	54907	ARCADIA4	138	1										
			Open	54833	DANFRTH4	138	54907	ARCADIA4	138	1										
			Open	54833	DANFRTH4	138	54907	ARCADIA4	138	1										

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

Bus#	BusName	KV	NAR	Zne	ParFact	Pload	Pmin	Pmax	Pgen	Reserv-	Reserv+	NewGen	Change	Viol
54899	REDBUD1S18.0	524	245		188.00	0.0	0.0	188.0	0.0	0.0	188.0	178.2	178.2	
54900	REDBUD3S18.0	524	245		188.00	0.0	0.0	188.0	0.0	0.0	188.0	178.2	178.2	
54905	REDBUD3S18.0	524	245		188.00	0.0	0.0	188.0	0.0	0.0	188.0	178.2	178.2	
54910	REDBUD1G18.0	524	245		234.00	0.0	0.0	234.0	0.0	0.0	234.0	221.8	221.8	
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	Pgen	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	7S20.9	524	245	208.00	0.0	0.0	211.5	208.0	208.0	3.5	54.1	-153.9	
54938	HSL	7G13.2	524	245	20.00	0.0	0.0	16.0	20.0	20.0	-4.0	5.2	-14.8	
54939	HSL	8G22.8	524	245	300.00	0.0	0.0	380.5	300.0	300.0	80.5	78.0	-222.0	
54944	HSL	9G13.8	524	245	42.00	0.0	0.0	45.5	42.0	42.0	3.5	10.9	-31.1	
54945	HSL	10G13.8	524	245	42.00	0.0	0.0	45.5	42.0	42.0	3.5	10.9	-31.1	
55041	SEMINI2G17.1	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			

MUST 7.0 -- Managing and Utilizing System Transmission -- TUE, MAY 17 2005 9:12  
2005 SPP UPDATE 2 REDUCED MODELS (MARCH 14, 2005)  
2005 SUMMER PEAK SPP-2005-BC 3

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

FCITC Single Study  
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LF: BC-05SP3Pratingsmod.SAV  
Sys: redbud\_summer\_peak.sub  
MUST 7.0

Mon: New Model,MON  
Con: New Model,CON  
Excl: NOT USED