## **Marcy FACTS Project**

Phase II Issues













		Inverter Connection		Switch States (O=open, C=closed)				
Config	Туре	Inv #1 to	Inv #2 to	SW DC1	MOD/CS 1	MOD/CS 2	MOD 3&4	MOD 5&6
1	STATCOM100-1	TR-SH(LV1)	not used	0	С	0	0	0
2	STATCOM100-2	not used	TR-SH(LV2)	0	0	С	0	0
3	STATCOM200	TR-SH(LV1)	TR-SH(LV2)	0	С	С	0	0
4	SSSC100-UCC	TR-SE1	not used	0	0	0	С	0
5	SSSC 100-UNS	not used	TR-SE2	0	0	0	0	С
6	SSSC100-UCC SSSC100-UNS	TR-SE1	TR-SE2	0	0	0	С	С
7	STATCOM100-1 SSSC100-UNS	TR-SH(LV1)	TR-SE2	0	С	0	0	С
8	STATCOM100-2 SSSC100-UCC	TR-SE1	TR-SH(LV2)	0	0	С	С	0
9	UPFC100/100-UCC	TR-SH(LV1)	TR-SE2	С	С	0	0	С
10	UPFC100/100-UNS	TR-SE1	TR-SH(LV2)	С	0	С	С	0
11	IPFC100-UCC/100-UNS	TR-SE1	TR-SE2	С	0	Ó	С	С

















FACTS Mode	STATCOM Available Range	Central East Penalty	
STATCOM100 (1,2)	+/- 100MVAr	25MW	
STATCOM200 (3)	+/- 200MVAr	None	
SSSC (4, 5, 6)	N/A	45MW	
SSSC (7, 8)	+/- 100MVAr	25MW	
UPFC (9, 10)	+/- 100MVAr	25MW	
IPFC (11)	N/A	45MW	

