



If we now add together the current flow in each generator we can see that the minimum combined current flow occurred when Unit 2 Mvar setpoint was at 9, 10 or 11 Mvar.

Total MW	U1		p.f.	Current	U2		p.f.	Current	Combined Current (Amps)
	MW	MVARs			MW	MVARs			
56.50	39.55	31.70	0.78	4607.78	16.95	0.00	1.00	1541.01	6148.78
56.50	39.55	30.70	0.79	4551.48	16.95	1.00	1.00	1543.69	6095.17
56.50	39.55	29.70	0.80	4496.32	16.95	2.00	0.99	1551.70	6048.01
56.50	39.55	28.70	0.81	4442.33	16.95	3.00	0.98	1564.96	6007.28
56.50	39.55	27.70	0.82	4389.56	16.95	4.00	0.97	1583.33	5972.89
56.50	39.55	26.70	0.83	4338.06	16.95	5.00	0.96	1606.65	5944.70
56.50	39.55	25.70	0.84	4287.86	16.95	6.00	0.94	1634.69	5922.55
56.50	39.55	24.70	0.85	4239.02	16.95	7.00	0.92	1667.23	5906.25
56.50	39.55	23.70	0.86	4191.58	16.95	8.00	0.90	1704.00	5895.58
56.50	39.55	22.70	0.87	4145.59	16.95	9.00	0.88	1744.74	5890.34
56.50	39.55	21.70	0.88	4101.11	16.95	10.00	0.86	1789.18	5890.28
56.50	39.55	20.70	0.89	4058.17	16.95	11.00	0.84	1837.04	5895.21
56.50	39.55	19.70	0.90	4016.83	16.95	12.00	0.82	1888.06	5904.89
56.50	39.55	18.70	0.90	3977.14	16.95	13.00	0.79	1942.01	5919.15
56.50	39.55	17.70	0.91	3939.15	16.95	14.00	0.77	1998.63	5937.78
56.50	39.55	16.70	0.92	3902.90	16.95	15.00	0.75	2057.72	5960.62
56.50	39.55	15.70	0.93	3868.46	16.95	16.00	0.73	2119.06	5987.51
56.50	39.55	14.70	0.94	3835.85	16.95	17.00	0.71	2182.46	6018.32
56.50	39.55	13.70	0.94	3805.15	16.95	18.00	0.69	2247.75	6052.90
56.50	39.55	12.70	0.95	3776.38	16.95	19.00	0.67	2314.77	6091.15
56.50	39.55	11.70	0.96	3749.59	16.95	20.00	0.65	2383.38	6132.97
56.50	39.55	10.70	0.97	3724.83	16.95	21.00	0.63	2453.43	6178.27
56.50	39.55	9.70	0.97	3702.14	16.95	22.00	0.61	2524.82	6226.96
56.50	39.55	8.70	0.98	3681.56	16.95	23.00	0.59	2597.42	6278.98
56.50	39.55	7.70	0.98	3663.11	16.95	24.00	0.58	2671.15	6334.26
56.50	39.55	6.70	0.99	3646.84	16.95	25.00	0.56	2745.90	6392.75
56.50	39.55	5.70	0.99	3632.78	16.95	26.00	0.55	2821.61	6454.39
56.50	39.55	4.70	0.99	3620.94	16.95	27.00	0.53	2898.19	6519.12
56.50	39.55	3.70	1.00	3611.35	16.95	28.00	0.52	2975.57	6586.92
56.50	39.55	2.70	1.00	3604.03	16.95	29.00	0.50	3053.71	6657.73
56.50	39.55	1.70	1.00	3598.99	16.95	30.00	0.49	3132.53	6731.51
56.50	39.55	0.70	1.00	3596.24	16.95	31.00	0.48	3211.99	6808.23
56.50	39.55	0.00	1.00	3595.68	16.95	31.70	0.47	3267.96	6863.65

56.50 MW  
31.70 MVAR

