

# Abnormal Report

	ID			
1				
2	<b><u>BUSES OUTSIDE VOLTAGE LIMITS ( 100 %)</u></b>			
3				
4	Bus ID	Zone	kV Base	Vmin - [pu]
5	B10	0	345.00	0.900
6	B11	0	345.00	0.900
7	B12	0	138.00	0.900
8	B13	0	345.00	0.900
9	B14	0	345.00	0.900
10	B9 INV	0	100.00	0.900
11	B4	0	345.00	0.900
12	B5	0	345.00	0.900
13	B6	0	345.00	0.900
14	B7	0	345.00	0.900
15	B8	0	345.00	0.900
16	B9	0	345.00	0.900
17				
18	<b><u>OVERLOADED LINES &amp; CABLES ( WITHIN 100 %)</u></b>			
19	ID	Bus From	Bus To	Power Flow - [pu]
20	L01	B1	B2	6.222
21	L02	B1	B39	6.222
22	L14	B8	B9	7.138
23	L17	B10	B13	6.410
24	L07	B4	B5	7.765
25	L18	B13	B14	6.610
26	L09	B5	B6	8.349
27				
28	<b><u>UNDERLOADED LINES &amp; CABLES ( WITHIN 50 %)</u></b>			
29	ID	Bus From	Bus To	Power Flow - [pu]
30	L20	B15	B16	2.945
31	L30	B25	B26	0.290
32	L31	B26	B27	2.509
33	L12	B6	B11	2.625
34	L32	B26	B28	1.514
35	L13	B7	B8	2.527
36	L23	B16	B21	1.384
37	L33	B26	B29	1.990
38	L25	B17	B18	1.678
39	L16	B10	B11	2.934
40	L26	B17	B27	1.726
41	L06	B3	B18	0.109
42	L27	B21	B22	2.775
43	L08	B4	B14	2.851
44	L29	B23	B24	0.343
45				
46	<b><u>OVERLOADED TRANSFORMERS ( WITHIN 100 %)</u></b>			
47	ID	Bus From	Bus To	Power Flow - [MVA]
48	T03	B6	B31	923.153
49				
50	<b><u>UNDERLOADED TRANSFORMERS ( WITHIN 50 %)</u></b>			

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1			
2			
3			
4	Vmax - [pu]	V sol - [pu]	Ang sol - [deg]
5	1.100	0.897	-14.6
6	1.100	0.885	-14.8
7	1.100	0.866	-15.6
8	1.100	0.891	-16.4
9	1.100	0.887	-20.7
10	1.100	0.707	5.8
11	1.100	0.872	-22.9
12	1.100	0.856	-16.3
13	1.100	0.864	-15.0
14	1.100	0.829	-16.5
15	1.100	0.818	-16.5
16	1.100	0.719	1.8
17			
18			
19	Loading Limit - [pu]	Emergency Loading Limit - [pu]	
20	5.976	8.963	
21	5.976	8.963	
22	5.976	8.963	
23	5.976	8.963	
24	5.976	8.963	
25	5.976	8.963	
26	5.976	8.963	
27			
28			
29	Loading Limit - [pu]		
30	3.585		
31	2.988		
32	2.988		
33	2.988		
34	2.988		
35	2.988		
36	2.988		
37	2.988		
38	2.988		
39	2.988		
40	2.988		
41	2.988		
42	3.884		
43	2.988		
44	2.988		
45			
46			
47	Loading Limit - [MVA]	Emergency Loading Limit - [MVA]	
48	800.000	850.000	
49			
50			

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	ID			
51	ID	Bus From	Bus To	Power Flow - [MVA]
52	T10	B2	B30	396.850
53	T01	B12	B11	45.646
54	T02	B12	B13	55.556
55	T12	B19	B20	377.254
56				
57	<b><i>GENERATORS AT REACTIVE LIMITS ( WITHIN 0 %)</i></b>			
58	ID	Bus From	P Gen - [MW]	Q Gen - [MVAR]
59	G03	B32	650.00	453.07
60	G06	B35	650.00	578.33
61	G07	B36	560.00	519.91
62				
63	<b><i>TRANSFORMERS AT TAP LIMITS ( WITHIN 0 %)</i></b>			
64	ID	Bus From	Bus To	Tap Pos - [%]

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51	<b>Loading Limit - [MVA]</b>		
52	550.000		
53	250.000		
54	250.000		
55	550.000		
56			
57			
58	<b>Q Min - [MVAR]</b>	<b>Q Max - [MVAR]</b>	
59	-192.00	448.00	
60	-192.00	448.00	
61	-168.00	392.00	
62			
63			
64	<b>Min Tap - [%]</b>	<b>Max Tap - [%]</b>	