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12.6.0H

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LOAD FLOW REPORT

Bus		Voltage		Generation		Load		Load Flow					XFMR
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus1	161.000	99.717	-0.2	0	0	0	0	Bus2	235.898	78.504	894.1	94.9	
								Bus2	235.898	78.504	894.1	94.9	
								Bus3	-172.186	-59.809	655.5	94.5	
								Bus3	-344.372	-119.512	1310.9	94.5	
								Bus5	44.762	22.314	179.9	89.5	
Bus2	161.000	99.618	-0.3	0	0	0	0	Bus1	-235.741	-78.197	894.1	94.9	
								Bus1	-235.741	-78.197	894.1	94.9	
								Bus18	212.239	76.277	811.9	94.1	
								Bus18	212.239	76.277	811.9	94.1	
								Bus4	47.004	3.840	169.8	99.7	
* Bus3	161.000	100.000	0.0	517.355	181.538	0	0	Bus1	172.452	60.477	655.3	94.4	
								Bus1	344.903	121.061	1310.8	94.4	
Bus4	33.000	98.645	-1.4	0	0	0	0	Bus8	22.836	6.003	418.8	96.7	
								Bus2	-46.612	-2.871	828.3	99.8	
								Bus5	11.888	-1.566	212.7	-99.1	
								Bus6	11.888	-1.566	212.7	-99.1	
Bus5	33.000	98.645	-1.4	0	0	0	0	Bus8	22.836	6.003	418.8	96.7	
								Bus1	-44.734	-21.140	877.5	90.4	
								Bus4	-11.888	1.566	212.7	-99.1	
								Bus7	33.785	13.571	645.7	92.8	
Bus6	33.000	98.645	-1.4	0	0	0	0	Bus8	22.836	6.003	418.8	96.7	
								Bus4	-11.888	1.566	212.7	-99.1	
								Bus7	-10.949	-7.569	236.1	82.3	
Bus7	33.000	98.645	-1.4	0	0	0	0	Bus8	22.836	6.003	418.8	96.7	
								Bus5	-33.785	-13.571	645.7	92.8	
								Bus6	10.949	7.569	236.1	82.3	
Bus8	33.000	98.051	-1.9	0	0	0.000	-16.824	Bus4	-22.746	-5.791	418.8	96.9	
								Bus5	-22.746	-5.791	418.8	96.9	
								Bus7	-22.746	-5.791	418.8	96.9	
								Bus6	-22.746	-5.791	418.8	96.9	
								Bus44	11.553	4.868	223.7	92.2	
								Bus52	11.915	5.023	230.7	92.1	
								Bus53	11.915	5.023	230.7	92.1	
								Bus54	11.915	5.023	230.7	92.1	
								Bus55	10.921	5.013	214.4	90.9	
								Bus56	10.921	5.013	214.4	90.9	

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ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus16	33.000	97.202	-2.4	0	0	0	0	Bus99	10.921	5.013	214.4	90.9	
								Bus100	10.921	5.013	214.4	90.9	
								Bus22	61.691	21.879	1178.2	94.2	
								Bus21	-30.846	-10.940	589.1	94.2	
Bus17	161.000	97.714	-1.6	0	0	0	0	Bus19	-30.846	-10.940	589.1	94.2	
								Bus18	-143.927	-43.747	552.1	95.7	
								Bus18	-143.927	-43.747	552.1	95.7	
								Bus32	92.101	24.709	350.0	96.6	
Bus18	161.000	97.773	-1.6	0	0	0	0	Bus32	95.051	24.499	360.2	96.8	
								Bus20	100.701	38.286	395.4	93.5	
								Bus17	143.987	43.864	552.1	95.7	
								Bus17	143.987	43.864	552.1	95.7	
Bus19	33.000	97.202	-2.4	0	0	0	0	Bus2	-210.015	-70.683	812.7	94.8	
								Bus2	-210.015	-70.683	812.7	94.8	
								Bus19	132.055	53.637	522.8	92.6	
								Bus22	56.993	22.134	1100.5	93.2	
Bus20	33.000	97.202	-2.4	0	0	0	0	Bus18	-132.005	-51.513	2550.5	93.2	
								Bus16	30.846	10.940	589.1	94.2	
								Bus20	44.166	18.440	861.5	92.3	
								Bus22	56.993	22.134	1100.5	93.2	
Bus21	33.000	97.202	-2.4	0	0	0	0	Bus17	-100.665	-36.767	1929.0	93.9	
								Bus19	-44.166	-18.440	861.5	92.3	
								Bus21	87.838	33.073	1689.4	93.6	
								Bus22	56.993	22.134	1100.5	93.2	
Bus22	33.000	95.429	-3.5	0	0	0.000	-15.937	Bus16	30.846	10.940	589.1	94.2	
								Bus20	-87.838	-33.073	1689.4	93.6	
								Bus16	-60.975	-20.298	1178.2	94.9	
								Bus19	-56.367	-20.638	1100.5	93.9	
								Bus20	-56.367	-20.638	1100.5	93.9	
								Bus21	-56.367	-20.638	1100.5	93.9	
								Bus63	29.519	12.707	589.2	91.9	
								Bus64	29.519	12.707	589.2	91.9	
								Bus65	29.506	12.802	589.7	91.7	
								Bus66	29.519	12.707	589.2	91.9	
								Bus67	27.407	11.770	546.8	91.9	
								Bus68	33.466	12.821	657.0	93.4	
								Bus101	10.811	4.965	218.1	90.9	
								Bus102	10.811	4.965	218.1	90.9	
								Bus104	29.519	12.707	589.2	91.9	

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ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus30	33.000	95.918	-3.2	0	0	0	0	Bus36	40.082	13.393	770.8	94.8	
								Bus35	-20.041	-6.696	385.4	94.8	
								Bus33	-20.041	-6.696	385.4	94.8	
Bus31	161.000	96.656	-2.6	0	0	0	0	Bus32	-41.139	-13.029	160.1	95.3	
								Bus32	-41.139	-13.029	160.1	95.3	
								Bus39	13.565	-4.163	52.6	-95.6	
								Bus39	13.565	-4.163	52.6	-95.6	
								Bus34	55.149	34.382	241.1	84.9	
Bus32	161.000	96.673	-2.6	0	0	0	0	Bus31	41.144	13.038	160.1	95.3	
								Bus31	41.144	13.038	160.1	95.3	
								Bus17	-91.510	-23.983	350.9	96.7	
								Bus17	-94.425	-23.729	361.2	97.0	
								Bus33	103.647	21.636	392.8	97.9	
Bus33	33.000	95.918	-3.2	0	0	0	0	Bus36	37.961	13.547	735.2	94.2	
								Bus32	-103.085	-20.246	1916.2	98.1	
								Bus30	20.041	6.696	385.4	94.8	
								Bus34	45.083	0.003	822.3	100.0	
Bus34	33.000	95.918	-3.2	0	0	0	0	Bus36	40.082	13.393	770.8	94.8	
								Bus31	-55.122	-33.479	1176.3	85.5	
								Bus33	-45.083	-0.003	822.3	100.0	
								Bus35	60.123	20.089	1156.2	94.8	
Bus35	33.000	95.918	-3.2	0	0	0	0	Bus36	40.082	13.393	770.8	94.8	
								Bus30	20.041	6.696	385.4	94.8	
								Bus34	-60.123	-20.089	1156.2	94.8	
Bus36	33.000	94.765	-4.0	0	0	0.000	-15.716	Bus30	-39.775	-12.702	770.9	95.3	
								Bus33	-37.682	-12.882	735.2	94.6	
								Bus34	-39.775	-12.702	770.9	95.3	
								Bus35	-39.775	-12.702	770.9	95.3	
								Bus69	25.512	11.101	513.7	91.7	
								Bus70	25.512	11.101	513.7	91.7	
								Bus71	26.496	11.125	530.5	92.2	
								Bus72	26.496	11.125	530.5	92.2	
								Bus73	26.496	11.125	530.5	92.2	
								Bus74	26.496	11.125	530.5	92.2	
Bus37	33.000	98.192	-3.4	0	0	0	0	Bus43	6.709	-1.949	124.5	-96.0	
								Bus42	-3.354	0.975	62.2	-96.0	
								Bus40	-3.354	0.975	62.2	-96.0	
Bus38	161.000	96.636	-2.7	0	0	0	0	Bus39	-6.430	-7.579	36.9	64.7	
								Bus39	-6.430	-7.579	36.9	64.7	

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ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus39	161.000	96.642	-2.7	0	0	0	0	Bus41	12.861	15.159	73.8	64.7	
								Bus38	6.431	7.580	36.9	64.7	
								Bus38	6.431	7.580	36.9	64.7	
								Bus31	-13.553	3.329	51.8	-97.1	
								Bus31	-13.553	3.329	51.8	-97.1	
Bus40	33.000	98.192	-3.4	0	0	0	0	Bus40	14.245	-21.819	96.7	-54.7	
								Bus43	6.709	-1.949	124.5	-96.0	
								Bus39	-14.228	22.327	471.7	-53.7	
								Bus37	3.354	-0.975	62.2	-96.0	
								Bus41	4.165	-19.404	353.6	-21.0	
Bus41	33.000	98.192	-3.4	0	0	0	0	Bus43	6.709	-1.949	124.5	-96.0	
								Bus38	-12.607	-14.531	342.8	65.5	5.000
								Bus40	-4.165	19.404	353.6	-21.0	
								Bus42	10.063	-2.924	186.7	-96.0	
Bus42	33.000	98.192	-3.4	0	0	0	0	Bus43	6.709	-1.949	124.5	-96.0	
								Bus37	3.354	-0.975	62.2	-96.0	
								Bus41	-10.063	2.924	186.7	-96.0	
Bus43	33.000	98.160	-3.5	0	0	0.000	-16.862	Bus37	-6.701	1.963	124.4	-96.0	
								Bus40	-6.701	1.963	124.4	-96.0	
								Bus41	-6.701	1.963	124.4	-96.0	
								Bus42	-6.701	1.963	124.4	-96.0	
								Bus81	8.934	3.003	168.0	94.8	
								Bus82	8.934	3.004	168.0	94.8	
								Bus83	8.934	3.004	168.0	94.8	
Bus44	33.000	97.661	-2.1	0	0	11.528	4.803	Bus8	-11.528	-4.803	223.7	92.3	
Bus52	33.000	97.648	-2.1	0	0	11.888	4.954	Bus8	-11.888	-4.954	230.8	92.3	
Bus53	33.000	97.648	-2.1	0	0	11.888	4.954	Bus8	-11.888	-4.954	230.8	92.3	
Bus54	33.000	97.648	-2.1	0	0	11.888	4.954	Bus8	-11.888	-4.954	230.8	92.3	
Bus55	33.000	97.664	-2.1	0	0	10.898	4.954	Bus8	-10.898	-4.954	214.5	91.0	
Bus56	33.000	97.664	-2.1	0	0	10.898	4.954	Bus8	-10.898	-4.954	214.5	91.0	
Bus63	33.000	94.397	-4.2	0	0	29.346	12.228	Bus22	-29.346	-12.228	589.2	92.3	
Bus64	33.000	94.397	-4.2	0	0	29.346	12.228	Bus22	-29.346	-12.228	589.2	92.3	
Bus65	33.000	94.278	-4.4	0	0	29.333	12.222	Bus22	-29.333	-12.222	589.7	92.3	
Bus66	33.000	94.397	-4.2	0	0	29.346	12.228	Bus22	-29.346	-12.228	589.2	92.3	
Bus67	33.000	94.472	-4.1	0	0	27.258	11.358	Bus22	-27.258	-11.358	546.9	92.3	
Bus68	33.000	94.331	-4.3	0	0	33.251	12.225	Bus22	-33.251	-12.225	657.1	93.9	
Bus69	33.000	93.861	-4.6	0	0	25.381	10.738	Bus36	-25.381	-10.738	513.7	92.1	
Bus70	33.000	93.861	-4.6	0	0	25.381	10.738	Bus36	-25.381	-10.738	513.7	92.1	
Bus71	33.000	93.844	-4.6	0	0	26.356	10.737	Bus36	-26.356	-10.737	530.6	92.6	

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ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus72	33.000	93.844	-4.6	0	0	26.356	10.737	Bus36	-26.356	-10.737	530.6	92.6	
Bus73	33.000	93.844	-4.6	0	0	26.356	10.737	Bus36	-26.356	-10.737	530.6	92.6	
Bus74	33.000	93.844	-4.6	0	0	26.356	10.737	Bus36	-26.356	-10.737	530.6	92.6	
Bus81	33.000	97.999	-3.7	0	0	8.929	2.976	Bus43	-8.929	-2.976	168.0	94.9	
Bus82	33.000	97.998	-3.7	0	0	8.929	2.976	Bus43	-8.929	-2.976	168.0	94.9	
Bus83	33.000	97.998	-3.7	0	0	8.929	2.976	Bus43	-8.929	-2.976	168.0	94.9	
Bus99	33.000	97.664	-2.1	0	0	10.898	4.954	Bus8	-10.898	-4.954	214.5	91.0	
Bus100	33.000	97.664	-2.1	0	0	10.898	4.954	Bus8	-10.898	-4.954	214.5	91.0	
Bus101	33.000	95.036	-3.8	0	0	10.787	4.903	Bus22	-10.787	-4.903	218.1	91.0	
Bus102	33.000	95.036	-3.8	0	0	10.787	4.903	Bus22	-10.787	-4.903	218.1	91.0	
Bus104	33.000	94.397	-4.2	0	0	29.346	12.228	Bus22	-29.346	-12.228	589.2	92.3	

* Indicates a voltage regulated bus (voltage controlled or swing type machine connected to it)

Indicates a bus with a load mismatch of more than 0.1 MVA