

Project:  
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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	33.000	100.000	0.0	2.747	1.286	0	0	Bus2	2.747	1.286	53.1	90.6	
Bus2	33.000	99.994	0.0	0	0	0	0	Bus3	1.070	0.474	20.5	91.4	
								Bus21	1.676	0.812	32.6	90.0	
								Bus1	-2.746	-1.286	53.1	90.6	
Bus3	33.000	99.991	0.0	0	0	0	0	Bus2	-1.070	-0.474	20.5	91.4	
								Bus4	1.070	0.474	20.5	91.4	
Bus4	33.000	99.984	0.0	0	0	0	0	Bus3	-1.070	-0.474	20.5	91.4	
								Bus6	1.029	0.454	19.7	91.5	
								Bus5	0.041	0.020	0.8	89.8	
Bus5	0.400	99.395	-0.3	0	0	0.040	0.020	Bus4	-0.040	-0.020	65.2	90.0	
Bus6	33.000	99.972	0.0	0	0	0	0	Bus4	-1.029	-0.454	19.7	91.5	
								Bus7	1.029	0.454	19.7	91.5	
Bus7	33.000	99.944	0.0	0	0	0	0	Bus9	0.906	0.384	17.2	92.1	
								Bus6	-1.029	-0.454	19.7	91.5	
								Bus8	0.123	0.071	2.5	86.8	
Bus8	0.400	99.325	-0.5	0	0	0.123	0.069	Bus7	-0.123	-0.069	205.4	87.2	
Bus9	33.000	99.942	0.0	0	0	0	0	Bus7	-0.906	-0.384	17.2	92.1	
								Bus10	0.204	0.094	3.9	90.9	
								Bus145	0.702	0.290	13.3	92.4	
Bus10	33.000	99.938	0.0	0	0	0	0	Bus11	0.053	0.026	1.0	89.6	
								Bus9	-0.204	-0.094	3.9	90.9	
								Bus13	0.150	0.067	2.9	91.3	
Bus11	33.000	99.937	0.0	0	0	0	0	Bus10	-0.053	-0.026	1.0	89.6	
								Bus12	0.053	0.026	1.0	89.6	
Bus12	0.400	98.547	-0.5	0	0	0.053	0.026	Bus11	-0.053	-0.026	85.9	90.0	
Bus13	33.000	99.935	0.0	0	0	0	0	Bus15	0.120	0.056	2.3	90.6	
								Bus10	-0.150	-0.067	2.9	91.3	
								Bus14	0.031	0.011	0.6	93.9	
Bus14	0.400	99.550	-0.3	0	0	0.031	0.011	Bus13	-0.031	-0.011	47.3	94.0	
Bus15	33.000	99.933	0.0	0	0	0	0	Bus17	0.023	0.012	0.5	88.2	
								Bus13	-0.120	-0.056	2.3	90.6	
								Bus20	0.097	0.044	1.9	91.1	
Bus17	33.000	99.933	0.0	0	0	0	0	Bus15	-0.023	-0.012	0.5	88.2	
								Bus18	0.023	0.012	0.5	88.2	
Bus18	33.000	99.932	0.0	0	0	0	0	Bus17	-0.023	-0.012	0.5	88.2	
								Bus19	0.023	0.012	0.5	88.2	

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Bus		Voltage		Generation		Load		Load Flow					XFMR
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus19	0.400	99.581	-0.2	0	0	0.023	0.012	Bus18	-0.023	-0.012	37.6	88.3	
Bus20	0.400	99.212	-0.5	0	0	0.096	0.043	Bus15	-0.096	-0.043	153.4	91.5	
Bus21	33.000	99.987	0.0	0	0	0	0	Bus2	-1.676	-0.812	32.6	90.0	
								Bus24	1.604	0.789	31.3	89.7	
								Bus22	0.073	0.023	1.3	95.3	
Bus22	0.400	99.139	-0.6	0	0	0.072	0.022	Bus21	-0.072	-0.022	110.0	95.6	
Bus24	33.000	99.958	0.0	0	0	0	0	Bus28	1.549	0.762	30.2	89.7	
								Bus26	0.027	0.013	0.5	89.8	
								Bus21	-1.603	-0.788	31.3	89.7	
								Bus25	0.027	0.013	0.5	89.9	
Bus25	0.400	99.838	-0.1	0	0	0.027	0.013	Bus24	-0.027	-0.013	43.3	90.0	
Bus26	33.000	99.957	0.0	0	0	0	0	Bus24	-0.027	-0.013	0.5	89.8	
								Bus27	0.027	0.013	0.5	89.8	
Bus27	0.400	99.255	-0.3	0	0	0.027	0.013	Bus26	-0.027	-0.013	43.5	90.0	
Bus28	33.000	99.943	0.0	0	0	0	0	Bus31	1.493	0.746	29.2	89.5	
								Bus24	-1.549	-0.762	30.2	89.7	
								Bus30	0.056	0.016	1.0	96.3	
Bus30	0.400	99.626	-0.3	0	0	0.056	0.015	Bus28	-0.056	-0.015	84.1	96.4	
Bus31	33.000	99.935	0.0	0	0	0	0	Bus32	0.139	0.051	2.6	94.0	
								Bus28	-1.493	-0.746	29.2	89.5	
								Bus38	1.354	0.695	26.6	89.0	
Bus32	33.000	99.935	0.0	0	0	0	0	Bus31	-0.139	-0.051	2.6	94.0	
								Bus35	0.022	0.014	0.5	84.8	
								Bus34	0.117	0.037	2.1	95.4	
Bus34	0.400	99.238	-0.7	0	0	0.116	0.035	Bus32	-0.116	-0.035	176.9	95.8	
Bus35	33.000	99.934	0.0	0	0	0	0	Bus32	-0.022	-0.014	0.5	84.8	
								Bus37	0.022	0.014	0.5	84.8	
Bus37	0.400	99.558	-0.2	0	0	0.022	0.014	Bus35	-0.022	-0.014	38.3	85.0	
Bus38	33.000	99.926	0.0	0	0	0	0	Bus42	0.249	0.085	4.6	94.7	
								Bus31	-1.353	-0.695	26.6	89.0	
								Bus53	1.104	0.610	22.1	87.5	
Bus41	0.400	99.287	-0.7	0	0	0.180	0.062	Bus42	-0.180	-0.062	276.6	94.5	
Bus42	33.000	99.926	0.0	0	0	0	0	Bus38	-0.249	-0.085	4.6	94.7	
								Bus43	0.069	0.020	1.3	96.1	
								Bus41	0.180	0.065	3.4	94.1	
Bus43	33.000	99.924	0.0	0	0	0	0	Bus42	-0.069	-0.020	1.3	96.1	
								Bus44	0.069	0.020	1.3	96.1	
Bus44	33.000	99.920	0.0	0	0	0	0	Bus47	0.014	0.006	0.3	92.4	
								Bus43	-0.069	-0.020	1.3	96.1	

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Bus		Voltage		Generation		Load		Load Flow				XFMR	
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus46	0.400	98.793	-0.6	0	0	0.055	0.013	Bus46	0.055	0.014	1.0	96.8	
								Bus44	-0.055	-0.013	82.1	97.1	
Bus47	33.000	99.920	0.0	0	0	0	0	Bus44	-0.014	-0.006	0.3	92.4	
Bus51	33.000	99.919	0.0	0	0	0	0	Bus51	0.014	0.006	0.3	92.4	
								Bus47	-0.014	-0.006	0.3	92.4	
								Bus52	0.014	0.006	0.3	92.4	
Bus52	0.400	99.574	-0.1	0	0	0.014	0.006	Bus51	-0.014	-0.006	22.2	92.5	
Bus53	33.000	99.918	0.0	0	0	0	0	Bus54	1.104	0.610	22.1	87.5	
Bus54	33.000	99.911	0.0	0	0	0	0	Bus38	-1.104	-0.610	22.1	87.5	
								Bus57	1.088	0.605	21.8	87.4	
								Bus53	-1.104	-0.610	22.1	87.5	
								Bus56	0.016	0.006	0.3	94.5	
Bus56	0.400	99.548	-0.2	0	0	0.016	0.005	Bus54	-0.016	-0.005	24.4	94.5	
Bus57	33.000	99.906	0.0	0	0	0	0	Bus54	-1.088	-0.605	21.8	87.4	
Bus59	0.400	99.268	-0.7	0	0	0.180	0.062	Bus63	0.836	0.504	17.1	85.6	
								Bus60	0.072	0.036	1.4	89.7	
								Bus59	0.180	0.065	3.4	94.1	
								Bus57	-0.180	-0.062	276.7	94.5	
Bus60	33.000	99.905	0.0	0	0	0	0	Bus57	-0.072	-0.036	1.4	89.7	
Bus62	0.400	98.855	-0.6	0	0	0.072	0.035	Bus62	0.072	0.036	1.4	89.7	
								Bus60	-0.072	-0.035	116.3	90.1	
								Bus57	-0.836	-0.504	17.1	85.6	
Bus63	33.000	99.902	0.0	0	0	0	0	Bus64	0.836	0.504	17.1	85.6	
Bus64	33.000	99.895	0.0	0	0	0	0	Bus69	0.069	0.021	1.3	95.7	
Bus66	0.400	99.049	-0.6	0	0	0.114	0.049	Bus63	-0.835	-0.504	17.1	85.6	
								Bus70	0.652	0.432	13.7	83.4	
								Bus66	0.114	0.051	2.2	91.3	
								Bus64	-0.114	-0.049	180.7	91.7	
Bus68	0.400	99.488	-0.4	0	0	0.069	0.020	Bus69	-0.069	-0.020	104.5	95.9	
Bus69	33.000	99.894	0.0	0	0	0	0	Bus64	-0.069	-0.021	1.3	95.7	
Bus70	33.000	99.885	0.0	0	0	0	0	Bus68	0.069	0.021	1.3	95.7	
								Bus83	0.420	0.351	9.6	76.7	
								Bus64	-0.652	-0.432	13.7	83.4	
								Bus73	0.115	0.044	2.2	93.4	
								Bus72	0.117	0.037	2.1	95.4	
Bus72	0.400	99.188	-0.7	0	0	0.116	0.035	Bus70	-0.116	-0.035	177.0	95.8	
Bus73	33.000	99.882	0.0	0	0	0	0	Bus76	0.068	0.025	1.3	93.8	
								Bus70	-0.115	-0.044	2.2	93.4	
								Bus75	0.047	0.019	0.9	92.8	

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Bus		Voltage		Generation		Load		Load Flow					XFMR
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus75	0.400	99.556	-0.3	0	0	0.047	0.019	Bus73	-0.047	-0.019	73.1	93.0	
Bus76	33.000	99.880	0.0	0	0	0	0	Bus79	0.053	0.013	0.9	97.0	
								Bus73	-0.068	-0.025	1.3	93.8	
								Bus78	0.016	0.012	0.4	79.3	
Bus78	0.400	99.576	-0.1	0	0	0.016	0.012	Bus76	-0.016	-0.012	29.1	79.4	
Bus79	33.000	99.880	0.0	0	0	0	0	Bus76	-0.053	-0.013	0.9	97.0	
								Bus82	0.053	0.013	0.9	97.0	
Bus81	0.400	99.324	-0.5	0	0	0.052	0.013	Bus82	-0.052	-0.013	78.2	97.2	
Bus82	33.000	99.879	0.0	0	0	0	0	Bus79	-0.053	-0.013	0.9	97.0	
								Bus81	0.053	0.013	0.9	97.0	
Bus83	33.000	99.882	0.0	0	0	0	0	Bus70	-0.420	-0.351	9.6	76.7	
								Bus87	0.365	0.337	8.7	73.5	
								Bus86	0.055	0.014	1.0	96.8	
Bus85	0.400	99.294	-0.5	0	0	0.055	0.014	Bus86	-0.055	-0.014	81.8	97.0	
Bus86	33.000	99.881	0.0	0	0	0	0	Bus83	-0.055	-0.014	1.0	96.8	
								Bus85	0.055	0.014	1.0	96.8	
Bus87	33.000	99.875	0.0	0	0	0	0	Bus83	-0.365	-0.337	8.7	73.5	
								Bus90	0.319	0.320	7.9	70.5	
								Bus89	0.046	0.017	0.9	94.2	
Bus89	0.400	99.303	-0.4	0	0	0.046	0.016	Bus87	-0.046	-0.016	71.2	94.4	
Bus90	33.000	99.866	0.0	0	0	0	0	Bus113	-0.029	0.142	2.5	-20.2	
								Bus93	0.262	0.146	5.3	87.4	
								Bus87	-0.319	-0.320	7.9	70.5	
								Bus92	0.086	0.033	1.6	93.4	
Bus92	0.400	99.290	-0.5	0	0	0.085	0.032	Bus90	-0.085	-0.032	132.5	93.7	
Bus93	33.000	99.861	0.0	0	0	0	0	Bus96	0.240	0.132	4.8	87.7	
								Bus90	-0.262	-0.146	5.3	87.4	
								Bus95	0.022	0.014	0.5	84.8	
Bus95	0.400	99.485	-0.2	0	0	0.022	0.014	Bus93	-0.022	-0.014	38.3	85.0	
Bus96	33.000	99.860	0.0	0	0	0	0	Bus93	-0.240	-0.132	4.8	87.7	
								Bus103	0.115	0.041	2.1	94.2	
								Bus99	0.069	0.075	1.8	67.6	
								Bus98	0.056	0.016	1.0	96.3	
Bus98	0.400	99.543	-0.3	0	0	0.056	0.015	Bus96	-0.056	-0.015	84.2	96.4	
Bus99	33.000	99.860	0.0	0	0	0	0	Bus102	0.069	0.075	1.8	67.6	
								Bus96	-0.069	-0.075	1.8	67.6	
Bus101	0.400	99.267	-0.2	0	0	0.069	0.074	Bus102	-0.069	-0.074	147.0	67.9	
Bus102	33.000	99.859	0.0	0	0	0	0	Bus99	-0.069	-0.075	1.8	67.6	
								Bus101	0.069	0.075	1.8	67.6	

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Bus		Voltage		Generation		Load		Load Flow					XFMR
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus103	33.000	99.858	0.0	0	0	0	0	Bus96	-0.115	-0.041	2.1	94.2	
								Bus106	0.068	0.022	1.2	95.1	
								Bus105	0.047	0.019	0.9	92.7	
Bus105	0.400	99.242	-0.4	0	0	0.047	0.019	Bus103	-0.047	-0.019	73.2	93.0	
Bus106	33.000	99.857	0.0	0	0	0	0	Bus103	-0.068	-0.022	1.2	95.1	
								Bus108	0.068	0.022	1.2	95.1	
Bus108	0.400	99.059	-0.6	0	0	0.067	0.021	Bus106	-0.067	-0.021	103.0	95.4	
Bus113	33.000	99.865	0.0	0	0	0	0	Bus90	0.029	-0.142	2.5	-20.2	
								Bus114	-0.029	0.142	2.5	-20.2	
Bus114	33.000	99.865	0.0	0	0	0	0	Bus113	0.029	-0.142	2.5	-20.2	
								Bus120	0.024	0.008	0.4	95.3	
								Bus121	-0.086	0.121	2.6	-57.8	
								Bus116	0.032	0.013	0.6	92.8	
Bus116	0.400	99.442	-0.3	0	0	0.032	0.013	Bus114	-0.032	-0.013	50.3	92.9	
Bus119	0.400	99.580	-0.2	0	0	0.024	0.008	Bus120	-0.024	-0.008	36.8	95.4	
Bus120	33.000	99.864	0.0	0	0	0	0	Bus114	-0.024	-0.008	0.4	95.3	
								Bus119	0.024	0.008	0.4	95.3	
Bus121	33.000	99.865	0.0	0	0	0	0	Bus124	0.085	0.029	1.6	94.7	
								Bus126	-0.170	0.093	3.4	-87.9	
								Bus114	0.086	-0.121	2.6	-57.8	
Bus124	33.000	99.864	0.0	0	0	0	0	Bus121	-0.085	-0.029	1.6	94.7	
								Bus125	0.085	0.029	1.6	94.7	
Bus125	0.400	99.228	-0.4	0	0	0.084	0.028	Bus124	-0.084	-0.028	129.1	95.0	
Bus126	33.000	99.866	0.0	0	0	0	0	Bus127	-0.243	0.069	4.4	-96.2	
								Bus121	0.170	-0.093	3.4	-87.9	
								Bus142	0.073	0.023	1.3	95.3	
Bus127	33.000	99.869	0.0	0	0	0	0	Bus126	0.243	-0.069	4.4	-96.2	
								Bus132	-0.270	0.056	4.8	-97.9	
								Bus129	0.027	0.013	0.5	89.8	
Bus129	0.400	99.477	-0.2	0	0	0.027	0.013	Bus127	-0.027	-0.013	43.4	90.0	
Bus132	33.000	99.875	0.0	0	0	0	0	Bus135	-0.308	0.043	5.5	-99.0	
								Bus127	0.270	-0.056	4.8	-97.9	
								Bus134	0.000	0.000	0.0	0.0	
								Bus133	0.038	0.013	0.7	94.8	
Bus133	0.400	99.416	-0.3	0	0	0.038	0.013	Bus132	-0.038	-0.013	58.3	95.0	
Bus134	33.000	99.875	0.0	0	0	0	0	Bus132	0.000	0.000	0.0	0.0	
Bus135	33.000	99.878	0.0	0	0	0	0	Bus132	0.308	-0.043	5.5	-99.0	
								Bus138	-0.308	0.043	5.5	-99.0	
Bus138	33.000	99.886	0.0	0	0	0	0	Bus135	0.308	-0.043	5.5	-99.0	

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ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap	
Bus139	0.400	98.874	-0.5	0	0	0.066	0.035	Bus139	0.067	0.035	1.3	88.3		
								Bus213	-0.375	0.008	6.6	-100.0		
								Bus138	-0.066	-0.035	109.0	88.7		
Bus142	33.000	99.863	0.0	0	0	0	0	Bus126	-0.073	-0.023	1.3	95.3		
Bus143	0.400	99.014	-0.6	0	0	0.072	0.022	Bus143	0.073	0.023	1.3	95.3		
								Bus142	-0.072	-0.022	110.0	95.6		
								Bus146	0.702	0.290	13.3	92.4		
Bus146	33.000	99.926	0.0	0	0	0	0	Bus9	-0.702	-0.290	13.3	92.4		
Bus148	0.400	99.056	-0.4	0	0	0.057	0.030	Bus152	0.090	0.037	1.7	92.5		
								Bus145	-0.702	-0.290	13.3	92.4		
								Bus172	0.539	0.217	10.2	92.8		
Bus150	0.400	99.730	-0.1	0	0	0.016	0.005	Bus151	0.016	0.006	0.3	94.5		
Bus151	33.000	99.925	0.0	0	0	0	0	Bus148	0.057	0.031	1.1	88.0		
Bus152	33.000	99.925	0.0	0	0	0	0	Bus146	-0.057	-0.030	93.2	88.4		
								Bus151	-0.016	-0.005	24.4	94.5		
								Bus146	-0.016	-0.006	0.3	94.5		
Bus154	0.400	99.847	-0.1	0	0	0.007	0.002	Bus150	0.016	0.006	0.3	94.5		
								Bus150	0.016	0.006	0.3	94.5		
								Bus146	-0.090	-0.037	1.7	92.5		
Bus155	33.000	99.923	0.0	0	0	0	0	Bus155	0.083	0.035	1.6	92.3		
Bus157	0.400	99.728	-0.1	0	0	0.016	0.005	Bus154	0.007	0.002	0.1	94.8		
								Bus152	-0.007	-0.002	9.9	94.9		
								Bus158	0.067	0.029	1.3	91.8		
Bus158	33.000	99.922	0.0	0	0	0	0	Bus152	-0.083	-0.035	1.6	92.3		
Bus159	33.000	99.920	0.0	0	0	0	0	Bus157	0.016	0.006	0.3	94.5		
								Bus155	-0.016	-0.005	24.4	94.5		
								Bus155	-0.067	-0.029	1.3	91.8		
Bus160	33.000	99.919	0.0	0	0	0	0	Bus159	0.067	0.029	1.3	91.8		
Bus162	0.400	99.575	-0.2	0	0	0.022	0.012	Bus160	0.067	0.029	1.3	91.8		
								Bus158	-0.067	-0.029	1.3	91.8		
								Bus163	0.045	0.017	0.8	93.4		
Bus163	33.000	99.918	0.0	0	0	0	0	Bus159	-0.067	-0.029	1.3	91.8		
Bus165	0.400	99.533	-0.3	0	0	0.031	0.011	Bus162	0.023	0.012	0.4	88.2		
								Bus160	-0.022	-0.012	36.9	88.3		
								Bus160	-0.045	-0.017	0.8	93.4		
Bus166	33.000	99.917	0.0	0	0	0	0	Bus166	0.014	0.006	0.3	92.4		
Bus166	33.000	99.917	0.0	0	0	0	0	Bus165	0.031	0.011	0.6	93.9		
								Bus163	-0.031	-0.011	47.3	94.0		
								Bus167	0.014	0.006	0.3	92.4		
								Bus163	-0.014	-0.006	0.3	92.4		

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Bus		Voltage		Generation		Load		Load Flow				XFMR	
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus167	33.000	99.917	0.0	0	0	0	0	Bus166	-0.014	-0.006	0.3	92.4	
								Bus168	0.014	0.006	0.3	92.4	
Bus168	33.000	99.917	0.0	0	0	0	0	Bus167	-0.014	-0.006	0.3	92.4	
								Bus171	0.014	0.006	0.3	92.4	
Bus170	0.400	99.572	-0.2	0	0	0.014	0.006	Bus171	-0.014	-0.006	22.2	92.5	
Bus171	33.000	99.917	0.0	0	0	0	0	Bus168	-0.014	-0.006	0.3	92.4	
								Bus170	0.014	0.006	0.3	92.4	
Bus172	33.000	99.921	0.0	0	0	0	0	Bus146	-0.539	-0.217	10.2	92.8	
								Bus173	0.539	0.217	10.2	92.8	
Bus173	33.000	99.897	0.0	0	0	0	0	Bus176	0.485	0.198	9.2	92.6	
								Bus172	-0.539	-0.217	10.2	92.8	
								Bus175	0.054	0.018	1.0	94.7	
Bus175	0.400	98.689	-0.6	0	0	0.053	0.017	Bus173	-0.053	-0.017	82.2	95.0	
Bus176	33.000	99.890	0.0	0	0	0	0	Bus173	-0.485	-0.198	9.2	92.6	
								Bus179	0.040	0.014	0.7	94.6	
								Bus180	0.444	0.184	8.4	92.4	
								Bus179	-0.040	-0.013	61.7	94.8	
Bus178	0.400	98.979	-0.4	0	0	0.040	0.013	Bus176	-0.040	-0.014	0.7	94.6	
								Bus178	0.040	0.014	0.7	94.6	
Bus179	33.000	99.889	0.0	0	0	0	0	Bus176	-0.040	-0.014	0.7	94.6	
								Bus178	0.040	0.014	0.7	94.6	
								Bus176	-0.444	-0.184	8.4	92.4	
								Bus194	0.221	0.085	4.2	93.3	
Bus180	33.000	99.877	0.0	0	0	0	0	Bus181	0.167	0.081	3.2	90.0	
								Bus208	0.057	0.018	1.0	95.1	
								Bus184	0.027	0.010	0.5	93.8	
								Bus180	-0.167	-0.081	3.2	90.0	
Bus181	33.000	99.869	0.0	0	0	0	0	Bus183	0.139	0.071	2.7	89.2	
								Bus181	-0.138	-0.067	225.6	90.0	
								Bus185	0.027	0.010	0.5	93.8	
Bus183	0.400	97.818	-1.1	0	0	0.138	0.067	Bus181	-0.027	-0.010	0.5	93.8	
Bus184	33.000	99.868	0.0	0	0	0	0	Bus185	0.027	0.010	0.5	93.8	
								Bus189	0.011	0.005	0.2	92.8	
Bus185	33.000	99.868	0.0	0	0	0	0	Bus184	-0.027	-0.010	0.5	93.8	
								Bus188	0.016	0.006	0.3	94.5	
								Bus185	-0.016	-0.005	24.4	94.5	
Bus188	0.400	99.673	-0.1	0	0	0.016	0.005	Bus193	0.000	0.000	0.0	0.0	
Bus189	33.000	99.868	0.0	0	0	0	0	Bus185	-0.011	-0.005	0.2	92.8	
								Bus192	0.011	0.005	0.2	92.8	
								Bus192	-0.011	-0.005	17.6	92.9	
Bus191	0.400	99.719	-0.1	0	0	0.011	0.005	Bus189	-0.011	-0.005	0.2	92.8	
								Bus191	0.011	0.005	0.2	92.8	

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Bus		Voltage		Generation		Load		Load Flow					XFMR
ID	kV	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	MW	Mvar	Amp	%PF	%Tap
Bus193	33.000	99.868	0.0	0	0	0	0	Bus189	0.000	0.000	0.0	0.0	
Bus194	33.000	99.875	0.0	0	0	0	0	Bus180	-0.221	-0.085	4.2	93.3	
								Bus195	0.221	0.085	4.2	93.3	
Bus195	33.000	99.869	0.0	0	0	0	0	Bus196	0.221	0.085	4.2	93.3	
								Bus194	-0.221	-0.085	4.2	93.3	
Bus196	33.000	99.869	0.0	0	0	0	0	Bus195	-0.221	-0.085	4.2	93.3	
								Bus197	0.221	0.085	4.2	93.3	
Bus197	33.000	99.869	0.0	0	0	0	0	Bus198	0.114	0.051	2.2	91.3	
								Bus209	0.107	0.034	2.0	95.3	
								Bus196	-0.221	-0.085	4.2	93.3	
Bus198	33.000	99.867	0.0	0	0	0	0	Bus197	-0.114	-0.051	2.2	91.3	
								Bus200	0.114	0.051	2.2	91.3	
Bus200	0.400	99.022	-0.6	0	0	0.114	0.049	Bus198	-0.114	-0.049	180.7	91.7	
Bus201	33.000	99.865	0.0	0	0	0	0	Bus204	0.000	0.000	0.0	0.0	
								Bus209	-0.014	-0.006	0.3	92.4	
								Bus203	0.014	0.006	0.3	92.4	
Bus203	0.400	99.676	-0.1	0	0	0.014	0.006	Bus201	-0.014	-0.006	22.2	92.5	
Bus204	33.000	99.865	0.0	0	0	0	0	Bus201	0.000	0.000	0.0	0.0	
								Bus205	0.000	0.000	0.0	0.0	
								Bus206	0.000	0.000	0.0	0.0	
Bus205	33.000	99.865	0.0	0	0	0	0	Bus204	0.000	0.000	0.0	0.0	
Bus206	33.000	99.865	0.0	0	0	0	0	Bus204	0.000	0.000	0.0	0.0	
Bus208	0.400	99.530	-0.3	0	0	0.056	0.018	Bus180	-0.056	-0.018	86.0	95.2	
Bus209	33.000	99.866	0.0	0	0	0	0	Bus201	0.014	0.006	0.3	92.4	
								Bus197	-0.107	-0.034	2.0	95.3	
								Bus211	0.093	0.028	1.7	95.7	
Bus211	0.400	99.320	-0.5	0	0	0.093	0.027	Bus209	-0.093	-0.027	140.4	96.0	
Bus212	0.400	98.783	1.2	0.380	0.000	0	0	Bus213	0.380	0.000	555.2	100.0	
Bus213	33.000	99.886	0.0	0	0	0	0	Bus212	-0.375	0.008	6.6	-100.0	2.500
								Bus138	0.375	-0.008	6.6	-100.0	

\* 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