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**Unbalanced Load Flow Report**

Bus		Phase	Voltage		Generation		Load		Load Flow						XFMR
ID	kV		% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
* Bus1	33.000	A	100.005	0.0	0.835	0.336	0	0	Bus2	A	0.835	0.336	47.2	92.8	
		B	99.986	-120.0	0.820	0.363	0	0		B	0.820	0.363	47.1	91.4	
		C	100.008	120.0	0.804	0.337	0	0		C	0.804	0.337	45.8	92.2	
										N			0.0		
Bus2	33.000	A	100.000	0.0	0	0	0	0	Bus3	A	0.311	0.126	17.6	92.7	
		B	99.981	-120.0	0	0	0	0		B	0.302	0.140	17.5	90.7	
		C	100.003	120.0	0	0	0	0		C	0.295	0.126	16.8	92.0	
										N			0.0		
									Bus21	A	0.523	0.210	29.6	92.8	
										B	0.518	0.223	29.6	91.9	
										C	0.509	0.212	28.9	92.3	
										N			0.0		
									Bus1	A	-0.835	-0.336	47.2	92.8	
										B	-0.820	-0.363	47.1	91.4	
										C	-0.804	-0.337	45.8	92.2	
										N			0.0		
Bus3	33.000	A	99.998	0.0	0	0	0	0	Bus2	A	-0.311	-0.126	17.6	92.7	
		B	99.979	-120.0	0	0	0	0		B	-0.302	-0.140	17.5	90.7	
		C	100.001	120.0	0	0	0	0		C	-0.295	-0.126	16.8	92.0	
										N			0.0		
									Bus4	A	0.311	0.126	17.6	92.7	
										B	0.302	0.140	17.5	90.7	
										C	0.295	0.126	16.8	92.0	
										N			0.0		
Bus4	33.000	A	99.992	0.0	0	0	0	0	Bus3	A	-0.311	-0.126	17.6	92.7	
		B	99.973	-120.0	0	0	0	0		B	-0.302	-0.140	17.5	90.7	
		C	99.995	120.0	0	0	0	0		C	-0.295	-0.126	16.8	92.0	
										N			0.0		
									Bus6	A	0.304	0.122	17.2	92.9	
										B	0.294	0.135	17.0	90.8	
										C	0.287	0.120	16.3	92.3	
										N			0.0		
									Bus5	A	0.007	0.005	0.4	82.7	
										B	0.008	0.005	0.5	86.4	
										C	0.008	0.006	0.5	80.0	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow							XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap	
Bus5	0.400	A	99.612	29.8	0	0	0.008	0.004	Bus4	A	-0.008	-0.004	37.8	87.7		
		B	99.578	-90.2	0	0	0.008	0.005		B	-0.008	-0.005	40.8	86.5		
		C	99.610	149.9	0	0	0.007	0.005		C	-0.007	-0.005	36.5	80.0		
										N			3.1			
Bus6	33.000	A	99.981	0.0	0	0	0	0	Bus4	A	-0.304	-0.122	17.2	92.9		
		B	99.962	-120.0	0	0	0	0		B	-0.294	-0.135	17.0	90.8		
		C	99.985	120.0	0	0	0	0		C	-0.287	-0.120	16.3	92.3		
										N			0.0			
									Bus7	A	0.304	0.122	17.2	92.9		
										B	0.294	0.135	17.0	90.8		
										C	0.287	0.120	16.3	92.3		
										N			0.0			
Bus7	33.000	A	99.957	0.0	0	0	0	0	Bus9	A	0.285	0.110	16.1	93.3		
		B	99.938	-120.0	0	0	0	0		B	0.277	0.126	16.0	91.0		
		C	99.962	120.0	0	0	0	0		C	0.267	0.110	15.2	92.4		
										N			0.0			
									Bus6	A	-0.304	-0.121	17.2	92.9		
										B	-0.294	-0.135	17.0	90.8		
										C	-0.287	-0.120	16.3	92.3		
										N			0.0			
Bus8	0.400	A	99.699	29.8	0	0	0.017	0.008	Bus7	A	-0.017	-0.008	84.2	90.0		
		B	99.714	-90.2	0	0	0.017	0.008		B	-0.017	-0.008	82.8	91.0		
		C	99.661	149.8	0	0	0.021	0.011		C	-0.021	-0.011	102.8	89.0		
										N			18.2			
									Bus8	A	0.019	0.012	1.2	84.8		
										B	0.018	0.009	1.0	88.3		
										C	0.020	0.009	1.2	90.8		
										N			0.0			
Bus9	33.000	A	99.955	0.0	0	0	0	0	Bus7	A	-0.285	-0.110	16.1	93.3		
		B	99.936	-120.0	0	0	0	0		B	-0.277	-0.126	16.0	91.0		
		C	99.960	120.0	0	0	0	0		C	-0.267	-0.110	15.2	92.4		
										N			0.0			
									Bus10	A	0.057	0.025	3.3	91.8		
										B	0.056	0.028	3.3	89.6		
										C	0.054	0.025	3.1	90.6		
										N			0.0			

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ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus10	33.000	A	99.951	0.0	0	0	0	0	Bus145	A	0.228	0.085	12.8	93.7	
										B	0.220	0.098	12.7	91.3	
										C	0.213	0.085	12.0	92.8	
										N			0.0		
Bus10	33.000	A	99.951	0.0	0	0	0	0	Bus11	A	0.006	0.002	0.3	93.7	
										B	0.005	0.003	0.3	89.5	
										C	0.005	0.002	0.3	95.6	
										N			0.0		
Bus10	33.000	A	99.951	0.0	0	0	0	0	Bus9	A	-0.057	-0.025	3.3	91.8	
										B	-0.056	-0.028	3.3	89.6	
										C	-0.054	-0.025	3.1	90.6	
										N			0.0		
Bus10	33.000	A	99.951	0.0	0	0	0	0	Bus13	A	0.052	0.023	3.0	91.5	
										B	0.051	0.025	3.0	89.6	
										C	0.049	0.024	2.9	90.0	
										N			0.0		
Bus11	33.000	A	99.951	0.0	0	0	0	0	Bus10	A	-0.006	-0.002	0.3	93.7	
										B	-0.005	-0.003	0.3	89.5	
										C	-0.005	-0.002	0.3	95.6	
										N			0.0		
Bus11	33.000	A	99.951	0.0	0	0	0	0	Bus12	A	0.006	0.002	0.3	93.7	
										B	0.005	0.003	0.3	89.5	
										C	0.005	0.002	0.3	95.6	
										N			0.0		
Bus12	0.400	A	99.512	29.8	0	0	0.006	0.002	Bus11	A	-0.006	-0.002	26.9	92.8	
										B	-0.005	-0.002	21.3	94.9	
										C	-0.006	-0.002	25.2	95.9	
										N			3.2		
Bus13	33.000	A	99.948	0.0	0	0	0	0	Bus15	A	0.040	0.020	2.4	89.6	
										B	0.040	0.020	2.3	89.7	
										C	0.040	0.020	2.4	90.0	
										N			0.0		
Bus13	33.000	A	99.948	0.0	0	0	0	0	Bus10	A	-0.052	-0.023	3.0	91.5	
										B	-0.051	-0.025	3.0	89.6	
										C	-0.049	-0.024	2.9	90.0	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus14	0.400	A	99.502	29.7	0	0	0.012	0.004	Bus14	A	0.011	0.003	0.6	97.2	
										B	0.011	0.006	0.7	89.1	
										C	0.009	0.004	0.5	90.4	
										N			0.0		
		B	99.489	-90.2	0	0	0.009	0.005	Bus13	A	-0.012	-0.004	54.4	95.4	
										B	-0.009	-0.005	46.3	87.5	
										C	-0.009	-0.002	42.1	97.4	
										N			0.0		
		C	99.653	149.8	0	0	0.009	0.002	Bus17	A	0.008	0.006	0.5	81.6	
										B	0.007	0.004	0.4	85.6	
										C	0.009	0.004	0.5	91.4	
										N			0.0		
Bus15	33.000	A	99.946	0.0	0	0	0	0	Bus13	A	-0.040	-0.020	2.4	89.6	
										B	-0.040	-0.020	2.3	89.7	
										C	-0.040	-0.020	2.4	90.0	
										N			0.0		
		B	99.927	-120.0	0	0	0	0	Bus20	A	0.032	0.014	1.9	91.4	
										B	0.033	0.016	1.9	90.5	
										C	0.032	0.016	1.9	89.6	
										N			0.0		
		C	99.952	120.0	0	0	0	0	Bus15	A	-0.008	-0.006	0.5	81.6	
										B	-0.007	-0.004	0.4	85.6	
										C	-0.009	-0.004	0.5	91.4	
										N			0.0		
Bus17	33.000	A	99.946	0.0	0	0	0	0	Bus18	A	0.008	0.006	0.5	81.6	
										B	0.007	0.004	0.4	85.6	
										C	0.009	0.004	0.5	91.4	
										N			0.0		
		B	99.927	-120.0	0	0	0	0	Bus17	A	-0.008	-0.006	0.5	81.6	
										B	-0.007	-0.004	0.4	85.6	
										C	-0.009	-0.004	0.5	91.4	
										N			0.0		
		C	99.951	120.0	0	0	0	0	Bus19	A	0.008	0.006	0.5	81.6	
										B	0.007	0.004	0.4	85.6	
										C	0.009	0.004	0.5	91.4	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus19	0.400	A	99.588	29.8	0	0	0.007	0.004	Bus18	A	-0.007	-0.004	34.7	86.7	
		B	99.633	-90.2	0	0	0.007	0.003		B	-0.007	-0.003	32.5	90.3	
		C	99.517	149.8	0	0	0.009	0.005		C	-0.009	-0.005	45.6	88.0	
										N			10.0		
Bus20	0.400	A	99.189	29.4	0	0	0.034	0.014	Bus15	A	-0.034	-0.014	161.0	92.5	
		B	99.219	-90.5	0	0	0.032	0.014		B	-0.032	-0.014	151.8	91.8	
		C	99.221	149.5	0	0	0.030	0.015		C	-0.030	-0.015	147.5	90.0	
										N			17.0		
Bus21	33.000	A	99.994	0.0	0	0	0	0	Bus2	A	-0.523	-0.210	29.6	92.8	
		B	99.975	-120.0	0	0	0	0		B	-0.518	-0.223	29.6	91.9	
		C	99.997	120.0	0	0	0	0		C	-0.509	-0.212	28.9	92.3	
										N			0.0		
									Bus24	A	0.498	0.202	28.2	92.7	
										B	0.494	0.214	28.2	91.8	
										C	0.486	0.204	27.7	92.2	
										N			0.0		
									Bus22	A	0.025	0.008	1.4	95.4	
										B	0.024	0.009	1.3	93.4	
										C	0.024	0.007	1.3	95.5	
										N			0.0		
Bus22	0.400	A	99.095	29.4	0	0	0.024	0.008	Bus21	A	-0.024	-0.008	109.7	94.7	
		B	99.087	-90.6	0	0	0.023	0.008		B	-0.023	-0.008	108.4	94.0	
		C	99.208	149.4	0	0	0.025	0.006		C	-0.025	-0.006	112.3	97.5	
										N			12.3		
Bus24	33.000	A	99.968	0.0	0	0	0	0	Bus28	A	0.462	0.185	26.1	92.8	
		B	99.949	-120.0	0	0	0	0		B	0.463	0.195	26.4	92.1	
		C	99.971	120.0	0	0	0	0		C	0.454	0.191	25.9	92.1	
										N			0.0		
									Bus26	A	0.006	0.002	0.3	93.7	
										B	0.005	0.003	0.3	89.5	
										C	0.005	0.002	0.3	95.6	
										N			0.0		
									Bus21	A	-0.498	-0.202	28.2	92.7	
										B	-0.494	-0.214	28.2	91.8	
										C	-0.486	-0.204	27.7	92.2	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus25										A	0.030	0.014	1.7	90.6	
										B	0.026	0.016	1.6	85.5	
										C	0.026	0.011	1.5	91.9	
										N			0.0		
Bus25	0.400	A	99.514	29.7	0	0	0.031	0.016	Bus24	A	-0.031	-0.016	149.8	89.0	
		B	99.667	-90.3	0	0	0.024	0.010		B	-0.024	-0.010	112.8	93.0	
		C	99.625	149.7	0	0	0.027	0.012		C	-0.027	-0.012	127.2	91.0	
										N			34.9		
Bus26	33.000	A	99.967	0.0	0	0	0	0	Bus24	A	-0.006	-0.002	0.3	93.7	
		B	99.948	-120.0	0	0	0	0		B	-0.005	-0.003	0.3	89.5	
		C	99.971	120.0	0	0	0	0		C	-0.005	-0.002	0.3	95.6	
										N			0.0		
Bus27										A	0.006	0.002	0.3	93.7	
										B	0.005	0.003	0.3	89.5	
										C	0.005	0.002	0.3	95.6	
										N			0.0		
Bus27	0.400	A	99.529	29.8	0	0	0.006	0.002	Bus26	A	-0.006	-0.002	26.9	92.8	
		B	99.633	-90.1	0	0	0.005	0.002		B	-0.005	-0.002	21.3	94.9	
		C	99.606	149.8	0	0	0.006	0.002		C	-0.006	-0.002	25.2	95.9	
										N			3.2		
Bus28	33.000	A	99.955	0.0	0	0	0	0	Bus31	A	0.443	0.181	25.1	92.6	
		B	99.936	-120.0	0	0	0	0		B	0.443	0.189	25.3	92.0	
		C	99.959	120.0	0	0	0	0		C	0.436	0.185	24.9	92.0	
										N			0.0		
Bus24										A	-0.462	-0.185	26.1	92.8	
										B	-0.463	-0.195	26.4	92.1	
										C	-0.454	-0.191	25.9	92.1	
										N			0.0		
Bus30										A	0.019	0.005	1.0	96.9	
										B	0.020	0.007	1.1	94.8	
										C	0.018	0.006	1.0	94.4	
										N			0.0		
Bus30	0.400	A	99.573	29.6	0	0	0.021	0.006	Bus28	A	-0.021	-0.006	95.5	96.5	
		B	99.643	-90.3	0	0	0.019	0.004		B	-0.019	-0.004	82.9	97.4	
		C	99.650	149.7	0	0	0.016	0.005		C	-0.016	-0.005	74.2	95.0	
										N			24.1		

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ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus31	33.000	A	99.948	0.0	0	0	0	0	Bus32	A	0.046	0.018	2.6	92.9	
		B	99.929	-120.0	0	0	0	0		B	0.046	0.017	2.6	93.7	
		C	99.952	120.0	0	0	0	0		C	0.047	0.018	2.7	93.5	
										N			0.0		
									Bus28	A	-0.443	-0.180	25.1	92.6	
										B	-0.443	-0.189	25.3	92.0	
										C	-0.436	-0.185	24.9	92.0	
										N			0.0		
									Bus38	A	0.396	0.162	22.5	92.6	
										B	0.397	0.171	22.7	91.8	
										C	0.389	0.167	22.2	91.9	
										N			0.0		
Bus32	33.000	A	99.948	0.0	0	0	0	0	Bus31	A	-0.046	-0.018	2.6	92.9	
		B	99.929	-120.0	0	0	0	0		B	-0.046	-0.017	2.6	93.7	
		C	99.952	120.0	0	0	0	0		C	-0.047	-0.018	2.7	93.5	
										N			0.0		
									Bus35	A	0.007	0.005	0.4	82.7	
										B	0.008	0.005	0.5	86.4	
										C	0.008	0.006	0.5	80.0	
										N			0.0		
									Bus34	A	0.039	0.014	2.2	94.4	
										B	0.038	0.013	2.1	95.0	
										C	0.040	0.012	2.2	95.5	
										N			0.0		
Bus34	0.400	A	99.248	29.3	0	0	0.038	0.011	Bus32	A	-0.038	-0.011	174.0	96.0	
		B	99.251	-90.6	0	0	0.038	0.011		B	-0.038	-0.011	171.8	95.8	
		C	99.207	149.3	0	0	0.040	0.013		C	-0.040	-0.013	184.9	95.5	
										N			13.8		
Bus35	33.000	A	99.947	0.0	0	0	0	0	Bus32	A	-0.007	-0.005	0.4	82.7	
		B	99.928	-120.0	0	0	0	0		B	-0.008	-0.005	0.5	86.4	
		C	99.951	120.0	0	0	0	0		C	-0.008	-0.006	0.5	80.0	
										N			0.0		
									Bus37	A	0.007	0.005	0.4	82.7	
										B	0.008	0.005	0.5	86.4	
										C	0.008	0.006	0.5	80.0	
										N			0.0		

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Bus		Phase	Voltage		Generation		Load		ID	Load Flow					XFMR	
ID	kV		% Mag.	Ang.	MW	Mvar	MW	Mvar		Phase	MW	Mvar	Amp	% PF	% Tap	
Bus37	0.400	A	99.567	29.8	0	0	0.008	0.004	Bus35	A	-0.008	-0.004	37.8	87.7		
		B	99.533	-90.2	0	0	0.008	0.005		B	-0.008	-0.005	40.8	86.5		
		C	99.566	149.9	0	0	0.007	0.005		C	-0.007	-0.005	36.5	80.0		
										N			3.1			
Bus38	33.000	A	99.941	0.0	0	0	0	0	Bus42	A	0.053	0.021	3.0	93.1		
		B	99.922	-120.0	0	0	0	0		B	0.050	0.023	2.9	91.0		
		C	99.945	120.0	0	0	0	0		C	0.050	0.019	2.8	93.2		
										N			0.0			
									Bus31	A	-0.396	-0.162	22.5	92.6		
										B	-0.397	-0.171	22.7	91.8		
										C	-0.388	-0.167	22.2	91.9		
										N			0.0			
									Bus53	A	0.344	0.141	19.5	92.5		
										B	0.347	0.149	19.8	91.9		
										C	0.339	0.148	19.4	91.7		
										N			0.0			
Bus41	0.400	A	99.487	29.6	0	0	0.031	0.016	Bus42	A	-0.031	-0.016	149.9	89.0		
		B	99.640	-90.3	0	0	0.024	0.010		B	-0.024	-0.010	112.8	93.0		
		C	99.598	149.7	0	0	0.027	0.012		C	-0.027	-0.012	127.2	91.0		
										N			34.9			
Bus42	33.000	A	99.941	0.0	0	0	0	0	Bus38	A	-0.053	-0.021	3.0	93.1		
		B	99.921	-120.0	0	0	0	0		B	-0.050	-0.023	2.9	91.0		
		C	99.945	120.0	0	0	0	0		C	-0.050	-0.019	2.8	93.2		
										N			0.0			
									Bus43	A	0.023	0.007	1.2	95.9		
										B	0.024	0.007	1.3	96.1		
										C	0.023	0.008	1.3	94.6		
										N			0.0			
									Bus41	A	0.030	0.014	1.7	90.6		
										B	0.026	0.016	1.6	85.5		
										C	0.026	0.011	1.5	91.9		
										N			0.0			
Bus43	33.000	A	99.939	0.0	0	0	0	0	Bus42	A	-0.023	-0.007	1.2	95.9		
		B	99.920	-120.0	0	0	0	0		B	-0.024	-0.007	1.3	96.1		
		C	99.943	120.0	0	0	0	0		C	-0.023	-0.008	1.3	94.6		
										N			0.0			



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Bus			Voltage		Generation		Load		Load Flow							XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap	
Bus44	33.000	A	99.935	0.0	0	0	0	0	Bus44	A	0.023	0.007	1.2	95.9		
									B	0.024	0.007	1.3	96.1			
									C	0.023	0.008	1.3	94.6			
									N			0.0				
		B	99.916	-120.0	0	0	0	0	Bus47	A	0.004	0.002	0.2	89.5		
									B	0.005	0.002	0.3	95.9			
									C	0.005	0.003	0.3	85.3			
									N			0.0				
		C	99.939	120.0	0	0	0	0	Bus43	A	-0.023	-0.007	1.2	95.9		
									B	-0.024	-0.007	1.3	96.1			
									C	-0.023	-0.008	1.3	94.6			
									N			0.0				
		N							Bus46	A	0.019	0.005	1.0	96.9		
									B	0.018	0.005	1.0	96.1			
									C	0.018	0.005	1.0	96.6			
									N			0.0				
A	98.686	29.4	0	0	0.018	0.006	Bus44	A	-0.018	-0.006	84.2	95.4				
							B	-0.019	-0.004	85.5	97.6					
							C	-0.017	-0.003	76.7	98.1					
							N			15.7						
B	98.763	-90.7	0	0	0.019	0.004	Bus44	A	-0.004	-0.002	0.2	89.5				
							B	-0.005	-0.002	0.3	95.9					
							C	-0.005	-0.003	0.3	85.3					
							N			0.0						
C	98.928	149.4	0	0	0.017	0.003	Bus51	A	0.004	0.002	0.2	89.5				
							B	0.005	0.002	0.3	95.9					
							C	0.005	0.003	0.3	85.3					
							N			0.0						
N							Bus47	A	-0.004	-0.002	0.2	89.5				
							B	-0.005	-0.002	0.3	95.9					
							C	-0.005	-0.003	0.3	85.3					
							N			0.0						
A	99.934	0.0	0	0	0	0	0	Bus47	A	-0.004	-0.002	0.2	89.5			
								B	-0.005	-0.002	0.3	95.9				
								C	-0.005	-0.003	0.3	85.3				
								N			0.0					
B	99.914	-120.0	0	0	0	0	0	Bus52	A	0.004	0.002	0.2	89.5			
								B	0.005	0.002	0.3	95.9				
								C	0.005	0.003	0.3	85.3				
								N			0.0					
C	99.937	120.0	0	0	0	0	0	Bus52	A	0.004	0.002	0.2	89.5			
								B	0.005	0.002	0.3	95.9				
								C	0.005	0.003	0.3	85.3				
								N			0.0					
N								Bus52	A	0.004	0.002	0.2	89.5			
								B	0.005	0.002	0.3	95.9				
								C	0.005	0.003	0.3	85.3				
								N			0.0					

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus52	0.400	A	99.642	29.9	0	0	0.004	0.001	Bus51	A	-0.004	-0.001	18.7	95.8	
		B	99.479	-90.2	0	0	0.006	0.002		B	-0.006	-0.002	27.8	92.3	
		C	99.599	149.9	0	0	0.004	0.002		C	-0.004	-0.002	20.4	89.0	
										N			5.6		
Bus53	33.000	A	99.934	0.0	0	0	0	0	Bus54	A	0.344	0.141	19.5	92.5	
		B	99.914	-120.0	0	0	0	0		B	0.347	0.149	19.8	91.9	
		C	99.938	120.0	0	0	0	0		C	0.339	0.148	19.4	91.7	
										N			0.0		
									Bus38	A	-0.344	-0.141	19.5	92.5	
										B	-0.347	-0.149	19.8	91.9	
										C	-0.339	-0.148	19.4	91.7	
										N			0.0		
Bus54	33.000	A	99.928	0.0	0	0	0	0	Bus57	A	0.338	0.139	19.2	92.5	
		B	99.908	-120.0	0	0	0	0		B	0.342	0.146	19.5	91.9	
		C	99.932	120.0	0	0	0	0		C	0.334	0.146	19.1	91.6	
										N			0.0		
									Bus53	A	-0.344	-0.141	19.5	92.5	
										B	-0.347	-0.149	19.8	91.9	
										C	-0.339	-0.148	19.4	91.7	
										N			0.0		
									Bus56	A	0.006	0.002	0.3	93.7	
										B	0.005	0.003	0.3	89.5	
										C	0.005	0.002	0.3	95.6	
										N			0.0		
Bus56	0.400	A	99.488	29.8	0	0	0.006	0.002	Bus54	A	-0.006	-0.002	26.9	92.8	
		B	99.593	-90.1	0	0	0.005	0.002		B	-0.005	-0.002	21.3	94.9	
		C	99.567	149.8	0	0	0.006	0.002		C	-0.006	-0.002	25.2	95.9	
										N			3.2		
Bus57	33.000	A	99.924	0.0	0	0	0	0	Bus54	A	-0.338	-0.139	19.2	92.5	
		B	99.904	-120.0	0	0	0	0		B	-0.342	-0.146	19.5	91.9	
		C	99.928	120.0	0	0	0	0		C	-0.334	-0.146	19.1	91.6	
										N			0.0		
									Bus63	A	0.286	0.113	16.1	92.9	
										B	0.290	0.119	16.5	92.5	
										C	0.283	0.121	16.1	92.0	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow						XFMR							
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap							
Bus59	0.400	A	99.470	29.6	0	0	0.031	0.016	Bus60	A	0.022	0.012	1.3	88.5								
										B	0.026	0.011	1.5	91.8								
										C	0.025	0.014	1.5	86.7								
										N			0.0									
		B	99.623	-90.3	0	0	0.024	0.010	Bus59	A	0.030	0.014	1.7	90.6								
										B	0.026	0.016	1.6	85.5								
										C	0.026	0.011	1.5	91.9								
										N			0.0									
	C	99.581	149.7	0	0	0.027	0.012	Bus57	A	-0.031	-0.016	149.9	89.0									
									B	-0.024	-0.010	112.8	93.0									
									C	-0.027	-0.012	127.2	91.0									
									N			34.9										
	33.000	A	99.923	0.0	0	0	0	0	Bus57	A	-0.022	-0.012	1.3	88.5								
										B	99.903	-120.0	0	0	0	0	B	-0.026	-0.011	1.5	91.8	
										C	99.926	120.0	0	0	0	0	C	-0.025	-0.014	1.5	86.7	
										N			0.0									
B		99.903	-120.0	0	0	0	0	Bus62	A	0.022	0.012	1.3	88.5									
									B	0.026	0.011	1.5	91.8									
									C	0.025	0.014	1.5	86.7									
									N			0.0										
C	99.926	120.0	0	0	0	0	Bus60	A	-0.022	-0.011	109.0	90.0										
								B	-0.027	-0.012	130.9	91.0										
								C	-0.022	-0.011	109.0	89.0										
								N			20.2											
33.000	A	99.920	0.0	0	0	0	0	Bus57	A	-0.286	-0.113	16.1	92.9									
									B	99.900	-120.0	0	0	0	0	B	-0.290	-0.119	16.5	92.5		
									C	99.924	120.0	0	0	0	0	C	-0.283	-0.121	16.1	92.0		
									N			0.0										
	B	99.900	-120.0	0	0	0	0	Bus64	A	0.286	0.113	16.1	92.9									
									B	0.290	0.119	16.5	92.5									
									C	0.283	0.121	16.1	92.0									
									N			0.0										
C	99.924	120.0	0	0	0	0	Bus69	A	0.023	0.007	1.3	95.5										
								B	0.024	0.007	1.3	95.5										
								C	0.023	0.008	1.3	94.0										
								N			0.0											

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Bus			Voltage		Generation		Load		Load Flow							XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap	
Bus66	0.400	A	98.979	29.3	0	0	0.040	0.018	Bus63	A	-0.285	-0.113	16.1	92.9		
										B	-0.290	-0.119	16.5	92.5		
										C	-0.283	-0.121	16.1	92.0		
										N			0.0			
		B	99.140	-90.6	0	0	0.036	0.014	Bus70	A	0.223	0.088	12.6	93.0		
										B	0.229	0.093	13.0	92.6		
										C	0.222	0.096	12.7	91.8		
										N			0.0			
		C	99.035	149.4	0	0	0.038	0.018	Bus66	A	0.039	0.018	2.3	90.9		
										B	0.037	0.019	2.2	89.6		
										C	0.038	0.016	2.2	91.7		
										N			0.0			
	A	98.979	29.3	0	0	0.040	0.018	Bus64	A	-0.040	-0.018	193.0	91.5			
									B	-0.036	-0.014	168.0	93.0			
									C	-0.038	-0.018	181.2	90.6			
									N			29.4				
B	99.140	-90.6	0	0	0.036	0.014	Bus69	A	-0.023	-0.009	106.0	93.6				
								B	-0.026	-0.007	116.4	97.0				
								C	-0.020	-0.005	91.6	96.8				
								N			33.2					
C	99.035	149.4	0	0	0.038	0.018	Bus68	A	0.023	0.007	1.3	95.5				
								B	0.024	0.007	1.3	95.5				
								C	0.023	0.008	1.3	94.0				
								N			0.0					
Bus70	33.000	A	99.904	0.0	0	0	0	0	Bus64	A	-0.223	-0.088	12.6	93.0		
										B	-0.229	-0.093	13.0	92.6		
										C	-0.222	-0.096	12.7	91.8		
										N			0.0			
		B	99.884	-120.0	0	0	0	0	Bus83	A	0.142	0.059	8.1	92.3		
										B	0.153	0.061	8.7	92.8		
										C	0.146	0.070	8.5	90.2		
										N			0.0			
	C	99.908	120.0	0	0	0	0	Bus64	A	-0.223	-0.088	12.6	93.0			
									B	-0.229	-0.093	13.0	92.6			
									C	-0.222	-0.096	12.7	91.8			
									N			0.0				

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Bus		Phase	Voltage		Generation		Load		ID	Load Flow					XFMR							
ID	kV		% Mag.	Ang.	MW	Mvar	MW	Mvar		Phase	MW	Mvar	Amp	% PF	% Tap							
Bus72	0.400	A	99.203	29.3	0	0	0.038	0.011	Bus73	A	0.042	0.015	2.4	94.0								
										B	0.038	0.020	2.2	88.9								
										C	0.036	0.014	2.0	93.6								
										N			0.0									
		B	99.206	-90.7	0	0	0.038	0.011	Bus72	A	0.039	0.014	2.2	94.4								
										B	0.038	0.013	2.1	95.0								
										C	0.040	0.012	2.2	95.5								
										N			0.0									
		C	99.163	149.3	0	0	0.040	0.013	Bus70	A	-0.038	-0.011	174.0	96.0								
										B	-0.038	-0.011	171.9	95.8								
										C	-0.040	-0.013	185.0	95.5								
										N			13.8									
	33.000	A	99.901	0.0	0	0	0	0	Bus76	A	0.025	0.011	1.4	92.0								
										B	99.880	-120.0	0	0		0	0	B	0.021	0.010	1.2	89.6
										C	99.905	120.0	0	0		0	0	C	0.023	0.007	1.3	96.0
										N			0.0									
0.400	A	99.438	29.6	0	0	0.020	0.008	Bus70	A	-0.042	-0.015	2.4	94.0									
									B	-0.038	-0.020	2.2	88.9									
									C	-0.036	-0.014	2.0	93.6									
									N			0.0										
	B	99.578	-90.3	0	0	0.015	0.006	Bus75	A	0.017	0.005	0.9	96.5									
									B	0.017	0.009	1.0	88.0									
									C	0.013	0.007	0.8	88.5									
									N			0.0										
	C	99.660	149.8	0	0	0.011	0.005	Bus73	A	-0.020	-0.008	96.0	92.4									
									B	-0.015	-0.006	70.3	94.0									
									C	-0.011	-0.005	52.9	92.5									
									N			40.6										
33.000	A	99.899	0.0	0	0	0	0	Bus79	A	0.019	0.006	1.0	95.2									
									B	99.879	-120.0	0	0		0	0	B	0.016	0.005	0.9	94.8	
									C	99.904	120.0	0	0		0	0	C	0.018	0.003	1.0	98.7	
									N			0.0										
	B	99.879	-120.0	0	0	0	0	Bus73	A	-0.025	-0.011	1.4	92.0									
									B	-0.021	-0.010	1.2	89.6									
									C	-0.023	-0.007	1.3	96.0									
									N			0.0										

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Bus			Voltage		Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus78										A	0.006	0.005	0.4	80.3	
										B	0.005	0.005	0.4	70.6	
										C	0.005	0.004	0.3	79.9	
										N			0.0		
Bus78	0.400	A	99.517	29.9	0	0	0.006	0.005	Bus76	A	-0.006	-0.005	34.3	80.0	
		B	99.626	-90.1	0	0	0.004	0.003		B	-0.004	-0.003	23.9	78.8	
		C	99.593	149.9	0	0	0.005	0.004		C	-0.005	-0.004	29.1	79.3	
										N			9.2		
Bus79	33.000	A	99.899	0.0	0	0	0	0	Bus76	A	-0.019	-0.006	1.0	95.2	
		B	99.879	-120.0	0	0	0	0		B	-0.016	-0.005	0.9	94.8	
		C	99.903	120.0	0	0	0	0		C	-0.018	-0.003	1.0	98.7	
										N			0.0		
Bus82										A	0.019	0.006	1.0	95.2	
										B	0.016	0.005	0.9	94.8	
										C	0.018	0.003	1.0	98.7	
										N			0.0		
Bus81	0.400	A	99.282	29.5	0	0	0.018	0.005	Bus82	A	-0.018	-0.005	82.2	97.0	
		B	99.473	-90.4	0	0	0.014	0.002		B	-0.014	-0.002	62.6	98.5	
		C	99.226	149.5	0	0	0.020	0.006		C	-0.020	-0.006	90.1	96.3	
										N			25.9		
Bus82	33.000	A	99.898	0.0	0	0	0	0	Bus79	A	-0.019	-0.006	1.0	95.2	
		B	99.878	-120.0	0	0	0	0		B	-0.016	-0.005	0.9	94.8	
		C	99.903	120.0	0	0	0	0		C	-0.018	-0.003	1.0	98.7	
										N			0.0		
Bus81										A	0.019	0.006	1.0	95.2	
										B	0.016	0.005	0.9	94.8	
										C	0.018	0.003	1.0	98.7	
										N			0.0		
Bus83	33.000	A	99.901	0.0	0	0	0	0	Bus70	A	-0.142	-0.059	8.1	92.3	
		B	99.881	-120.0	0	0	0	0		B	-0.153	-0.061	8.7	92.8	
		C	99.905	120.0	0	0	0	0		C	-0.146	-0.070	8.5	90.2	
										N			0.0		
Bus87										A	0.123	0.054	7.1	91.5	
										B	0.134	0.056	7.6	92.3	
										C	0.128	0.065	7.5	89.2	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus85	0.400	A	99.224	29.5	0	0	0.018	0.006	Bus86	A	0.019	0.005	1.0	96.8	
			99.279	-90.5	0	0	0.019	0.004		B	0.018	0.005	1.0	95.9	
			99.388	149.5	0	0	0.017	0.003		C	0.018	0.005	1.0	96.3	
										N			0.0		
	33.000	A	99.900	0.0	0	0	0	0	Bus83	A	-0.019	-0.005	1.0	96.8	
			99.880	-120.0	0	0	0	0		B	-0.018	-0.005	1.0	95.9	
			99.904	120.0	0	0	0	0		C	-0.018	-0.005	1.0	96.3	
										N			0.0		
Bus86	33.000	A	99.900	0.0	0	0	0	0	Bus85	A	0.019	0.005	1.0	96.8	
			99.880	-120.0	0	0	0	0		B	0.018	0.005	1.0	95.9	
			99.904	120.0	0	0	0	0		C	0.018	0.005	1.0	96.3	
										N			0.0		
	0.400	A	99.896	0.0	0	0	0	0	Bus83	A	-0.123	-0.054	7.1	91.5	
			99.875	-120.0	0	0	0	0		B	-0.134	-0.056	7.6	92.3	
			99.900	120.0	0	0	0	0		C	-0.128	-0.065	7.5	89.2	
										N			0.0		
Bus87	33.000	A	99.896	0.0	0	0	0	0	Bus83	A	-0.123	-0.054	7.1	91.5	
			99.875	-120.0	0	0	0	0		B	-0.134	-0.056	7.6	92.3	
			99.900	120.0	0	0	0	0		C	-0.128	-0.065	7.5	89.2	
										N			0.0		
	33.000	A	99.896	0.0	0	0	0	0	Bus90	A	0.106	0.049	6.1	90.8	
			99.875	-120.0	0	0	0	0		B	0.119	0.048	6.7	92.7	
			99.900	120.0	0	0	0	0		C	0.113	0.060	6.7	88.4	
										N			0.0		
Bus88	33.000	A	99.896	0.0	0	0	0	0	Bus89	A	0.017	0.005	0.9	95.5	
			99.875	-120.0	0	0	0	0		B	0.015	0.008	0.9	89.4	
			99.900	120.0	0	0	0	0		C	0.014	0.005	0.8	94.8	
										N			0.0		
	0.400	A	99.170	29.5	0	0	0.019	0.007	Bus87	A	-0.019	-0.007	87.5	94.5	
			99.420	-90.3	0	0	0.013	0.004		B	-0.013	-0.004	58.2	95.3	
			99.332	149.6	0	0	0.015	0.006		C	-0.015	-0.006	67.8	93.4	
										N			28.9		
33.000	A	99.889	0.0	0	0	0	0	Bus113	A	-0.008	-0.008	0.6	67.6		
		99.867	-120.0	0	0	0	0		B	-0.004	-0.015	0.8	27.4		
		99.891	120.0	0	0	0	0		C	0.000	-0.009	0.5	3.3		
									N			0.0			

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus92	0.400	A	99.389	29.5	0	0	0.028	0.008	Bus93	A	0.087	0.047	5.2	87.9	
										B	0.092	0.053	5.6	86.7	
										C	0.085	0.054	5.3	84.3	
										N			0.0		
									Bus87	A	-0.106	-0.049	6.1	90.8	
										B	-0.119	-0.048	6.7	92.7	
										C	-0.113	-0.060	6.7	88.4	
										N			0.0		
									Bus92	A	0.026	0.010	1.5	93.4	
										B	0.031	0.010	1.7	95.0	
										C	0.029	0.014	1.7	89.3	
										N			0.0		
Bus92	0.400	A	99.389	29.5	0	0	0.028	0.008	Bus90	A	-0.028	-0.008	126.5	96.5	
		B	99.202	-90.5	0	0	0.031	0.013		B	-0.031	-0.013	146.2	92.6	
		C	99.297	149.6	0	0	0.026	0.012		C	-0.026	-0.012	125.7	91.5	
										N			7.5		
Bus93	33.000	A	99.885	0.0	0	0	0	0	Bus96	A	0.080	0.043	4.8	88.4	
										B	0.084	0.048	5.1	86.8	
										C	0.077	0.048	4.8	84.8	
										N			0.0		
									Bus90	A	-0.087	-0.047	5.2	87.9	
										B	-0.092	-0.053	5.6	86.7	
										C	-0.085	-0.054	5.3	84.3	
										N			0.0		
									Bus95	A	0.007	0.005	0.4	82.7	
										B	0.008	0.005	0.5	86.4	
										C	0.008	0.006	0.5	80.0	
										N			0.0		
Bus95	0.400	A	99.503	29.8	0	0	0.008	0.004	Bus93	A	-0.008	-0.004	37.8	87.7	
		B	99.468	-90.2	0	0	0.008	0.005		B	-0.008	-0.005	40.8	86.5	
		C	99.503	149.9	0	0	0.007	0.005		C	-0.007	-0.005	36.5	80.0	
										N			3.1		
Bus96	33.000	A	99.883	0.0	0	0	0	0	Bus93	A	-0.080	-0.043	4.8	88.4	
										B	-0.084	-0.048	5.1	86.8	
										C	-0.077	-0.048	4.8	84.8	
										N			0.0		



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ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap						
Bus98	0.400	A	99.500	29.6	0	0	0.021	0.006	Bus103	A	0.041	0.013	2.3	95.4							
										B	0.038	0.018	2.2	91.0							
										C	0.036	0.013	2.0	94.1							
										N			0.0								
		B	99.569	-90.3	0	0	0.019	0.004	Bus99	A	0.020	0.025	1.7	63.1							
										B	0.026	0.024	1.8	73.3							
										C	0.024	0.029	2.0	62.9							
										N			0.0								
		C	99.579	149.7	0	0	0.016	0.005	Bus98	A	0.019	0.005	1.0	96.9							
										B	0.020	0.007	1.1	94.8							
										C	0.018	0.006	1.0	94.4							
										N			0.0								
	A	99.500	29.6	0	0	0.021	0.006	Bus96	A	-0.021	-0.006	95.6	96.5								
									B	-0.019	-0.004	82.9	97.4								
									C	-0.016	-0.005	74.2	95.0								
									N			24.1									
33.000	A	99.883	0.0	0	0	0	0	Bus102	A	0.020	0.025	1.7	63.1								
									B	99.861	-120.0	0	0	0	0	B	0.026	0.024	1.8	73.3	
									C	99.886	120.0	0	0	0	0	C	0.024	0.029	2.0	62.9	
									N				0.0								
	B	99.861	-120.0	0	0	0	0	Bus96	A	-0.020	-0.025	1.7	63.1								
									B	-0.026	-0.024	1.8	73.3								
									C	-0.024	-0.029	2.0	62.9								
									N			0.0									
0.400	A	99.333	29.8	0	0	0.022	0.022	Bus102	A	-0.022	-0.022	134.8	71.6								
									B	99.225	-90.3	0	0	0.026	0.026	B	-0.026	-0.026	161.4	70.8	
									C	99.260	149.8	0	0	0.020	0.026	C	-0.020	-0.026	145.7	60.9	
									N				4.0								
33.000	A	99.882	0.0	0	0	0	0	Bus99	A	-0.020	-0.025	1.7	63.1								
									B	99.860	-120.0	0	0	0	0	B	-0.026	-0.024	1.8	73.3	
									C	99.884	120.0	0	0	0	0	C	-0.024	-0.029	2.0	62.9	
									N				0.0								
	B	99.860	-120.0	0	0	0	0	Bus101	A	0.020	0.025	1.7	63.1								
									B	0.026	0.024	1.8	73.3								
									C	0.024	0.029	2.0	62.9								
									N			0.0									

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus103	33.000	A	99.881	0.0	0	0	0	0	Bus96	A	-0.041	-0.013	2.3	95.4	
		B	99.860	-120.0	0	0	0	0		B	-0.038	-0.018	2.2	91.0	
		C	99.884	120.0	0	0	0	0		C	-0.036	-0.013	2.0	94.1	
										N			0.0		
									Bus106	A	0.024	0.008	1.3	94.3	
										B	0.021	0.008	1.2	92.9	
										C	0.023	0.006	1.2	96.5	
										N			0.0		
									Bus105	A	0.017	0.004	0.9	96.8	
										B	0.017	0.009	1.0	88.3	
										C	0.013	0.007	0.8	89.0	
										N			0.0		
Bus105	0.400	A	99.033	29.5	0	0	0.020	0.008	Bus103	A	-0.020	-0.008	96.3	92.4	
		B	99.283	-90.4	0	0	0.015	0.006		B	-0.015	-0.006	70.5	94.0	
		C	99.429	149.7	0	0	0.011	0.005		C	-0.011	-0.005	53.0	92.5	
										N			40.7		
Bus106	33.000	A	99.880	0.0	0	0	0	0	Bus103	A	-0.024	-0.008	1.3	94.3	
		B	99.858	-120.0	0	0	0	0		B	-0.021	-0.008	1.2	92.9	
		C	99.883	120.0	0	0	0	0		C	-0.023	-0.006	1.2	96.5	
										N			0.0		
									Bus108	A	0.024	0.008	1.3	94.3	
										B	0.021	0.008	1.2	92.9	
										C	0.023	0.006	1.2	96.5	
										N			0.0		
									Bus106	A	-0.022	-0.007	100.6	95.0	
										B	-0.020	-0.008	94.5	93.7	
										C	-0.025	-0.006	114.1	97.0	
										N			19.9		
Bus113	33.000	A	99.889	0.0	0	0	0	0	Bus90	A	0.008	0.008	0.6	67.6	
		B	99.868	-120.0	0	0	0	0		B	0.004	0.015	0.8	27.4	
		C	99.891	120.0	0	0	0	0		C	0.000	0.009	0.5	3.3	
										N			0.0		
									Bus114	A	-0.008	-0.008	0.6	67.6	
										B	-0.004	-0.015	0.8	27.4	
										C	0.000	-0.009	0.5	3.3	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus114	33.000	A	99.889	0.0	0	0	0	0	Bus113	A	0.008	0.008	0.6	67.6	
		B	99.868	-120.0	0	0	0	0		B	0.004	0.015	0.8	27.4	
		C	99.892	120.0	0	0	0	0		C	0.000	0.009	0.5	3.3	
										N			0.0		
									Bus120	A	0.006	0.003	0.4	91.6	
										B	0.009	0.002	0.5	98.7	
										C	0.009	0.005	0.5	88.9	
										N			0.0		
									Bus121	A	-0.023	-0.018	1.5	79.6	
										B	-0.023	-0.019	1.6	77.9	
										C	-0.023	-0.018	1.5	77.6	
										N			0.0		
Bus116	0.400	A	99.608	29.8	0	0	0.006	0.003	Bus114	A	-0.006	-0.003	30.4	92.8	
		B	99.402	-90.3	0	0	0.012	0.005		B	-0.012	-0.005	55.6	93.3	
		C	99.339	149.7	0	0	0.014	0.006		C	-0.014	-0.006	64.8	92.7	
										N			30.0		
									Bus116	A	0.009	0.007	0.6	81.5	
										B	0.010	0.002	0.5	97.0	
										C	0.013	0.005	0.7	93.5	
										N			0.0		
									Bus119	A	-0.007	-0.002	32.1	95.3	
										B	-0.011	-0.002	49.5	98.0	
										C	-0.006	-0.003	29.5	89.0	
										N			17.7		
Bus120	33.000	A	99.889	0.0	0	0	0	0	Bus114	A	-0.006	-0.003	0.4	91.6	
		B	99.868	-120.0	0	0	0	0		B	-0.009	-0.002	0.5	98.7	
		C	99.891	120.0	0	0	0	0		C	-0.009	-0.005	0.5	88.9	
										N			0.0		
									Bus119	A	0.006	0.003	0.4	91.6	
										B	0.009	0.002	0.5	98.7	
										C	0.009	0.005	0.5	88.9	
										N			0.0		
									Bus124	A	0.027	0.009	1.5	95.4	
										B	0.030	0.010	1.7	95.1	
										C	0.028	0.012	1.6	91.6	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus124	33.000	A	99.891	0.0	0	0	0	0	Bus126	A	-0.051	-0.026	3.0	88.7	
										B	-0.054	-0.029	3.2	88.2	
										C	-0.050	-0.030	3.1	85.5	
										N			0.0		
									Bus114	A	0.023	0.018	1.5	79.6	
										B	0.023	0.019	1.6	77.9	
										C	0.023	0.018	1.5	77.6	
										N			0.0		
		B	99.870	-120.0	0	0	0	0	Bus121	A	-0.027	-0.009	1.5	95.4	
										B	-0.030	-0.010	1.7	95.1	
										C	-0.028	-0.012	1.6	91.6	
										N			0.0		
		C	99.893	120.0	0	0	0	0	Bus125	A	0.027	0.009	1.5	95.4	
										B	0.030	0.010	1.7	95.1	
										C	0.028	0.012	1.6	91.6	
										N			0.0		
Bus125	0.400	A	99.292	29.5	0	0	0.029	0.007	Bus124	A	-0.029	-0.007	129.2	97.2	
		B	99.159	-90.4	0	0	0.029	0.011		B	-0.029	-0.011	135.8	93.3	
		C	99.262	149.6	0	0	0.027	0.010		C	-0.027	-0.010	123.1	94.0	
										N			5.7		
Bus126	33.000	A	99.894	0.0	0	0	0	0	Bus127	A	-0.076	-0.034	4.4	91.1	
		B	99.873	-120.0	0	0	0	0		B	-0.078	-0.038	4.5	89.9	
		C	99.897	120.0	0	0	0	0		C	-0.074	-0.038	4.3	89.1	
										N			0.0		
									Bus121	A	0.051	0.026	3.0	88.7	
										B	0.054	0.029	3.2	88.2	
										C	0.050	0.030	3.1	85.5	
										N			0.0		
									Bus142	A	0.025	0.008	1.4	95.4	
										B	0.024	0.009	1.3	93.4	
										C	0.024	0.007	1.3	95.5	
										N			0.0		
		A	99.899	0.0	0	0	0	0	Bus126	A	0.076	0.034	4.4	91.1	
										B	0.078	0.038	4.5	89.9	
										C	0.074	0.038	4.3	89.1	
										N			0.0		

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Bus		Phase	Voltage		Generation		Load		Load Flow						XFMR						
ID	kV		% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap						
Bus129	0.400	A	99.534	29.7	0	0	0.010	0.003	Bus132	A	-0.088	-0.038	5.0	91.7							
									B	-0.089	-0.040	5.1	91.1								
									C	-0.086	-0.040	5.0	90.7								
									N				0.0								
		B	99.535	-90.3	0	0	0.012	0.002	Bus129	A	0.012	0.004	0.6	95.3							
									B	0.011	0.002	0.6	98.0								
									C	0.013	0.003	0.7	98.1								
									N				0.0								
	C	99.527	149.7	0	0	0.013	0.002	Bus127	A	-0.010	-0.003	46.5	96.6								
								B	-0.012	-0.002	53.8	98.7									
								C	-0.013	-0.002	56.5	98.3									
								N				7.9									
	33.000	A	99.907	0.0	0	0	0	0	Bus135	A	-0.100	-0.045	5.8	91.3							
									B	99.886	-120.0	0	0	0	0	B	-0.100	-0.044	5.7	91.7	
									C	99.909	120.0	0	0	0	0	C	-0.101	-0.044	5.8	91.7	
									N						0.0						
B		99.886	-120.0	0	0	0	0	Bus127	A	0.088	0.038	5.0	91.7								
								B	0.089	0.040	5.1	91.1									
								C	0.086	0.040	5.0	90.7									
								N				0.0									
C	99.909	120.0	0	0	0	0	Bus134	A	0.000	0.000	0.0	0.0									
							B	0.000	0.000	0.0	0.0										
							C	0.000	0.000	0.0	0.0										
							N				0.0										
0.400	A	99.490	29.8	0	0	0.010	0.004	Bus133	A	0.013	0.007	0.7	88.2								
								B	0.011	0.003	0.6	95.7									
								C	0.015	0.004	0.8	96.6									
								N				0.0									
	B	99.448	-90.3	0	0	0.013	0.004	Bus132	A	-0.010	-0.004	45.6	92.1								
								B	-0.013	-0.004	58.2	96.2									
								C	-0.016	-0.005	71.3	95.5									
								N				19.1									
C	99.355	149.6	0	0	0.016	0.005		A	0.000	0.000	0.0	0.0									
							B	0.000	0.000	0.0	0.0										
							C	0.000	0.000	0.0	0.0										
							N				0.0										
33.000	A	99.907	0.0	0	0	0	0	Bus132	A	0.000	0.000	0.0	0.0								
								B	99.886	-120.0	0	0	0	0	B	0.000	0.000	0.0	0.0		
								C	99.909	120.0	0	0	0	0	C	0.000	0.000	0.0	0.0		
								N						0.0							

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus135	33.000	A	99.912	0.0	0	0	0	0	Bus132	A	0.100	0.045	5.8	91.3	
		B	99.892	-120.0	0	0	0	0		B	0.100	0.044	5.7	91.7	
		C	99.915	120.0	0	0	0	0		C	0.101	0.044	5.8	91.7	
										N			0.0		
									Bus138	A	-0.100	-0.045	5.8	91.3	
										B	-0.100	-0.044	5.7	91.7	
										C	-0.101	-0.044	5.8	91.7	
										N			0.0		
Bus138	33.000	A	99.923	0.0	0	0	0	0	Bus135	A	0.100	0.045	5.8	91.3	
		B	99.902	-120.0	0	0	0	0		B	0.100	0.044	5.7	91.7	
		C	99.925	120.0	0	0	0	0		C	0.101	0.044	5.8	91.7	
										N			0.0		
									Bus139	A	0.024	0.012	1.4	89.0	
										B	0.024	0.014	1.5	87.0	
										C	0.023	0.013	1.4	87.0	
										N			0.0		
Bus139	0.400	A	98.749	29.4	0	0	0.025	0.013	Bus138	A	-0.025	-0.013	122.2	88.0	
		B	98.811	-90.5	0	0	0.024	0.012		B	-0.024	-0.012	117.8	89.0	
		C	98.915	149.5	0	0	0.022	0.011		C	-0.022	-0.011	109.0	89.0	
										N			13.5		
									Bus213	A	-0.124	-0.057	7.2	90.9	
										B	-0.124	-0.057	7.2	90.8	
										C	-0.124	-0.057	7.2	90.8	
										N			0.0		
Bus142	33.000	A	99.891	0.0	0	0	0	0	Bus126	A	-0.025	-0.008	1.4	95.4	
		B	99.870	-120.0	0	0	0	0		B	-0.024	-0.009	1.3	93.4	
		C	99.893	120.0	0	0	0	0		C	-0.024	-0.007	1.3	95.5	
										N			0.0		
									Bus143	A	0.025	0.008	1.4	95.4	
										B	0.024	0.009	1.3	93.4	
										C	0.024	0.007	1.3	95.5	
										N			0.0		
Bus143	0.400	A	98.990	29.4	0	0	0.024	0.008	Bus142	A	-0.024	-0.008	109.8	94.7	
		B	98.981	-90.6	0	0	0.023	0.008		B	-0.023	-0.008	108.5	94.0	
		C	99.104	149.3	0	0	0.025	0.006		C	-0.025	-0.006	112.3	97.5	
										N			12.3		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus145	33.000	A	99.942	0.0	0	0	0	0	Bus146	A	0.228	0.085	12.8	93.7	
		B	99.923	-120.0	0	0	0	0		B	0.220	0.098	12.7	91.3	
		C	99.948	120.0	0	0	0	0		C	0.213	0.085	12.0	92.9	
										N			0.0		
									Bus9	A	-0.228	-0.085	12.8	93.7	
										B	-0.220	-0.098	12.7	91.3	
										C	-0.213	-0.085	12.0	92.9	
										N			0.0		
Bus146	33.000	A	99.939	0.0	0	0	0	0	Bus152	A	0.049	0.018	2.7	94.0	
		B	99.920	-120.0	0	0	0	0		B	0.044	0.020	2.5	91.0	
		C	99.945	120.0	0	0	0	0		C	0.044	0.015	2.5	94.9	
										N			0.0		
									Bus145	A	-0.228	-0.085	12.8	93.7	
										B	-0.220	-0.098	12.7	91.3	
										C	-0.213	-0.085	12.0	92.9	
										N			0.0		
									Bus172	A	0.155	0.055	8.7	94.2	
										B	0.151	0.065	8.6	91.8	
										C	0.144	0.056	8.1	93.1	
										N			0.0		
									Bus151	A	0.006	0.002	0.3	95.3	
										B	0.006	0.003	0.3	89.8	
										C	0.005	0.002	0.3	91.5	
										N			0.0		
									Bus148	A	0.018	0.010	1.1	87.6	
										B	0.020	0.010	1.2	89.2	
										C	0.019	0.012	1.2	85.0	
										N			0.0		
Bus148	0.400	A	99.098	29.5	0	0	0.019	0.009	Bus146	A	-0.019	-0.009	91.4	90.6	
		B	98.999	-90.4	0	0	0.020	0.011		B	-0.020	-0.011	98.1	88.1	
		C	99.066	149.6	0	0	0.018	0.010		C	-0.018	-0.010	90.4	86.2	
										N			0.0		
Bus150	0.400	A	99.704	29.8	0	0	0.006	0.002	Bus151	A	-0.006	-0.002	26.7	95.0	
		B	99.710	-90.1	0	0	0.005	0.002		B	-0.005	-0.002	23.7	91.1	
		C	99.772	149.9	0	0	0.005	0.001		C	-0.005	-0.001	23.0	96.8	
										N			0.0		

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Bus		Phase	Voltage		Generation		Load		ID	Load Flow				XFMR	
ID	kV		% Mag.	Ang.	MW	Mvar	MW	Mvar		Phase	MW	Mvar	Amp	% PF	% Tap
Bus151	33.000	A	99.939	0.0	0	0	0	0	Bus146	A	-0.006	-0.002	0.3	95.3	
		B	99.919	-120.0	0	0	0	0		B	-0.006	-0.003	0.3	89.8	
		C	99.945	120.0	0	0	0	0		C	-0.005	-0.002	0.3	91.5	
										N			0.0		
									Bus150	A	0.006	0.002	0.3	95.3	
										B	0.006	0.003	0.3	89.8	
										C	0.005	0.002	0.3	91.5	
										N			0.0		
Bus152	33.000	A	99.939	0.0	0	0	0	0	Bus146	A	-0.049	-0.018	2.7	94.0	
		B	99.920	-120.0	0	0	0	0		B	-0.044	-0.020	2.5	91.0	
		C	99.945	120.0	0	0	0	0		C	-0.044	-0.015	2.5	94.9	
										N			0.0		
									Bus155	A	0.046	0.017	2.6	94.0	
										B	0.042	0.018	2.4	91.5	
										C	0.042	0.014	2.3	95.0	
										N			0.0		
									Bus154	A	0.003	0.001	0.2	93.8	
										B	0.002	0.002	0.1	79.6	
										C	0.002	0.001	0.1	93.2	
										N			0.0		
Bus154	0.400	A	99.811	29.9	0	0	0.003	0.001	Bus152	A	-0.003	-0.001	11.9	91.6	
		B	99.845	-90.0	0	0	0.002	0.001		B	-0.002	-0.001	8.1	89.6	
		C	99.881	149.9	0	0	0.002	0		C	-0.002	0.000	10.1	99.5	
										N			0.0		
Bus155	33.000	A	99.935	0.0	0	0	0	0	Bus158	A	0.040	0.015	2.3	93.8	
		B	99.916	-120.0	0	0	0	0		B	0.036	0.016	2.1	91.7	
		C	99.942	120.0	0	0	0	0		C	0.038	0.012	2.1	95.4	
										N			0.0		
									Bus152	A	-0.046	-0.017	2.6	94.0	
										B	-0.042	-0.018	2.4	91.5	
										C	-0.042	-0.014	2.3	95.0	
										N			0.0		
									Bus157	A	0.006	0.002	0.3	95.3	
										B	0.006	0.003	0.3	89.8	
										C	0.005	0.002	0.3	91.5	
										N			0.0		



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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus157	0.400	A	99.700	29.8	0	0	0.006	0.002	Bus155	A	-0.006	-0.002	26.7	95.0	
		B	99.706	-90.1	0	0	0.005	0.002		B	-0.005	-0.002	23.7	91.1	
		C	99.769	149.9	0	0	0.005	0.001		C	-0.005	-0.001	23.0	96.8	
										N			0.0		
Bus158	33.000	A	99.934	0.0	0	0	0	0	Bus155	A	-0.040	-0.015	2.3	93.8	
		B	99.915	-120.0	0	0	0	0		B	-0.036	-0.016	2.1	91.8	
		C	99.941	120.0	0	0	0	0		C	-0.038	-0.012	2.1	95.4	
										N			0.0		
									Bus159	A	0.040	0.015	2.3	93.8	
										B	0.036	0.016	2.1	91.8	
										C	0.038	0.012	2.1	95.4	
										N			0.0		
Bus159	33.000	A	99.931	0.0	0	0	0	0	Bus160	A	0.040	0.015	2.3	93.8	
		B	99.912	-120.0	0	0	0	0		B	0.036	0.016	2.1	91.8	
		C	99.938	120.0	0	0	0	0		C	0.038	0.012	2.1	95.4	
										N			0.0		
									Bus158	A	-0.040	-0.015	2.3	93.8	
										B	-0.036	-0.016	2.1	91.8	
										C	-0.038	-0.012	2.1	95.4	
										N			0.0		
Bus160	33.000	A	99.928	0.0	0	0	0	0	Bus163	A	0.016	0.006	0.9	93.2	
		B	99.909	-120.0	0	0	0	0		B	0.015	0.007	0.9	90.0	
		C	99.935	120.0	0	0	0	0		C	0.015	0.006	0.8	93.1	
										N			0.0		
									Bus159	A	-0.040	-0.015	2.3	93.8	
										B	-0.036	-0.016	2.1	91.8	
										C	-0.038	-0.012	2.1	95.4	
										N			0.0		
Bus162	0.400	A	99.110	29.4	0	0	0.022	0.007	Bus160	A	-0.022	-0.007	100.6	95.0	
		B	99.131	-90.5	0	0	0.020	0.008		B	-0.020	-0.008	94.5	93.7	
		C	99.091	149.3	0	0	0.026	0.006		C	-0.026	-0.006	116.3	97.0	
										N			22.1		
									Bus162	A	0.024	0.009	1.4	94.1	
										B	0.021	0.008	1.2	92.9	
										C	0.023	0.006	1.2	96.7	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus163	33.000	A	99.927	0.0	0	0	0	0	Bus160	A	-0.016	-0.006	0.9	93.2	
		B	99.908	-120.0	0	0	0	0		B	-0.015	-0.007	0.9	90.0	
		C	99.934	120.0	0	0	0	0		C	-0.015	-0.006	0.8	93.1	
										N			0.0		
									Bus166	A	0.004	0.002	0.2	89.5	
										B	0.005	0.002	0.3	95.9	
										C	0.005	0.003	0.3	85.3	
										N			0.0		
									Bus165	A	0.012	0.004	0.7	94.4	
										B	0.009	0.006	0.6	85.9	
										C	0.010	0.003	0.5	96.4	
										N			0.0		
Bus165	0.400	A	99.436	29.7	0	0	0.012	0.005	Bus163	A	-0.012	-0.005	56.5	93.6	
		B	99.614	-90.2	0	0	0.007	0.003		B	-0.007	-0.003	34.7	92.7	
		C	99.533	149.7	0	0	0.011	0.004		C	-0.011	-0.004	50.8	95.3	
										N			16.8		
Bus166	33.000	A	99.927	0.0	0	0	0	0	Bus167	A	0.004	0.002	0.2	89.5	
		B	99.908	-120.0	0	0	0	0		B	0.005	0.002	0.3	95.9	
		C	99.934	120.0	0	0	0	0		C	0.005	0.003	0.3	85.3	
										N			0.0		
									Bus163	A	-0.004	-0.002	0.2	89.5	
										B	-0.005	-0.002	0.3	95.9	
										C	-0.005	-0.003	0.3	85.3	
										N			0.0		
									Bus166	A	-0.004	-0.002	0.2	89.5	
										B	-0.005	-0.002	0.3	95.9	
										C	-0.005	-0.003	0.3	85.3	
										N			0.0		
Bus167	33.000	A	99.927	0.0	0	0	0	0	Bus166	A	-0.004	-0.002	0.2	89.5	
		B	99.908	-120.0	0	0	0	0		B	-0.005	-0.002	0.3	95.9	
		C	99.934	120.0	0	0	0	0		C	-0.005	-0.003	0.3	85.3	
										N			0.0		
									Bus168	A	0.004	0.002	0.2	89.5	
										B	0.005	0.002	0.3	95.9	
										C	0.005	0.003	0.3	85.3	
										N			0.0		
									Bus167	A	-0.004	-0.002	0.2	89.5	
										B	-0.005	-0.002	0.3	95.9	
										C	-0.005	-0.003	0.3	85.3	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus170	0.400	A	99.634	29.8	0	0	0.004	0.001	Bus171	A	0.004	0.002	0.2	89.5	
									B	0.005	0.002	0.3	95.9		
									C	0.005	0.003	0.3	85.3		
									N			0.0			
	B	C	99.474	-90.2	0	0	0.006	0.002	Bus171	A	-0.004	-0.001	18.7	95.8	
	B								-0.006	-0.002	27.8	92.3			
	C								-0.004	-0.002	20.4	89.0			
	N										5.6				
Bus171	33.000	A	99.926	0.0	0	0	0	0	Bus168	A	-0.004	-0.002	0.2	89.5	
									B	-0.005	-0.002	0.3	95.9		
									C	-0.005	-0.003	0.3	85.3		
									N			0.0			
	B	C	99.907	-120.0	0	0	0	0	Bus170	A	0.004	0.002	0.2	89.5	
	B								0.005	0.002	0.3	95.9			
	C								0.005	0.003	0.3	85.3			
	N										0.0				
Bus172	33.000	A	99.935	0.0	0	0	0	0	Bus146	A	-0.155	-0.055	8.7	94.2	
									B	-0.151	-0.065	8.6	91.8		
									C	-0.144	-0.056	8.1	93.1		
									N			0.0			
	B	C	99.916	-120.0	0	0	0	0	Bus173	A	0.155	0.055	8.7	94.2	
	B								0.151	0.065	8.6	91.8			
	C								0.144	0.056	8.1	93.1			
	N										0.0				
Bus173	33.000	A	99.915	0.0	0	0	0	0	Bus176	A	0.136	0.050	7.6	94.0	
									B	0.133	0.058	7.6	91.7		
									C	0.127	0.051	7.2	92.9		
									N			0.0			
	B	C	99.895	-120.0	0	0	0	0	Bus172	A	-0.155	-0.055	8.7	94.2	
	B								-0.151	-0.065	8.6	91.8			
	C								-0.144	-0.056	8.1	93.1			
	N										0.0				
B	C	99.922	120.0	0	0	0	0	Bus175	A	0.019	0.006	1.0	95.8		
B								0.018	0.008	1.0	92.2				
C								0.017	0.006	0.9	94.8				
N										0.0					

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus175	0.400	A	98.648	29.3	0	0	0.020	0.005	Bus173	A	-0.020	-0.005	88.6	96.6	
		B	98.749	-90.5	0	0	0.015	0.007		B	-0.015	-0.007	73.3	92.1	
		C	98.682	149.4	0	0	0.019	0.006		C	-0.019	-0.006	85.1	95.5	
										N			17.8		
Bus176	33.000	A	99.910	0.0	0	0	0	0	Bus173	A	-0.136	-0.049	7.6	94.0	
		B	99.890	-120.0	0	0	0	0		B	-0.133	-0.058	7.6	91.7	
		C	99.917	120.0	0	0	0	0		C	-0.127	-0.051	7.2	92.9	
										N			0.0		
									Bus179	A	0.014	0.005	0.8	94.5	
										B	0.014	0.005	0.8	94.0	
										C	0.013	0.005	0.7	93.7	
										N			0.0		
									Bus180	A	0.123	0.045	6.9	93.9	
										B	0.119	0.053	6.8	91.5	
										C	0.114	0.046	6.5	92.8	
										N			0.0		
Bus178	0.400	A	98.972	29.5	0	0	0.014	0.004	Bus179	A	-0.014	-0.004	62.3	95.2	
		B	98.965	-90.4	0	0	0.013	0.005		B	-0.013	-0.005	62.0	94.4	
		C	99.016	149.6	0	0	0.013	0.004		C	-0.013	-0.004	60.8	94.9	
										N			0.0		
Bus179	33.000	A	99.909	0.0	0	0	0	0	Bus176	A	-0.014	-0.005	0.8	94.5	
		B	99.889	-120.0	0	0	0	0		B	-0.014	-0.005	0.8	94.0	
		C	99.916	120.0	0	0	0	0		C	-0.013	-0.005	0.7	93.7	
										N			0.0		
									Bus178	A	0.014	0.005	0.8	94.5	
										B	0.014	0.005	0.8	94.0	
										C	0.013	0.005	0.7	93.7	
										N			0.0		
									Bus176	A	-0.123	-0.045	6.9	93.9	
										B	-0.119	-0.053	6.8	91.5	
										C	-0.114	-0.046	6.5	92.8	
										N			0.0		
Bus180	33.000	A	99.899	0.0	0	0	0	0	Bus194	A	0.077	0.030	4.4	93.1	
		B	99.879	-120.0	0	0	0	0		B	0.072	0.033	4.2	91.1	
		C	99.907	120.0	0	0	0	0		C	0.073	0.027	4.1	93.7	
										N			0.0		

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus181	33.000	A	99.895	0.0	0	0	0	0	Bus181	A	0.030	0.010	1.7	95.2	
										B	0.024	0.016	1.5	83.8	
										C	0.022	0.007	1.2	94.9	
										N			0.0		
		B	99.875	-120.0	0	0	0	0	Bus208	A	0.015	0.005	0.8	95.3	
										B	0.023	0.004	1.2	98.2	
										C	0.019	0.011	1.2	86.3	
										N			0.0		
		C	99.904	120.0	0	0	0	0	Bus184	A	0.010	0.004	0.6	93.9	
										B	0.009	0.005	0.6	86.7	
										C	0.008	0.003	0.5	92.5	
										N			0.0		
Bus183	0.400	A	99.063	29.6	0	0	0.018	0.009	Bus180	A	-0.030	-0.010	1.7	95.2	
										B	-0.024	-0.016	1.5	83.8	
										C	-0.022	-0.007	1.2	94.9	
										N			0.0		
		B	99.295	-90.3	0	0	0.012	0.007	Bus183	A	0.020	0.006	1.1	95.8	
										B	0.015	0.010	0.9	82.0	
										C	0.013	0.004	0.7	96.2	
										N			0.0		
		C	99.436	149.5	0	0	0.017	0.002	Bus181	A	-0.018	-0.009	89.0	89.9	
										B	-0.012	-0.007	60.7	86.7	
										C	-0.017	-0.002	74.8	98.9	
										N			0.0		
Bus184	33.000	A	99.895	0.0	0	0	0	0	Bus181	A	-0.010	-0.004	0.6	93.9	
										B	-0.009	-0.005	0.6	86.7	
										C	-0.008	-0.003	0.5	92.5	
										N			0.0		
		B	99.875	-120.0	0	0	0	0	Bus185	A	0.010	0.004	0.6	93.9	
										B	0.009	0.005	0.6	86.7	
										C	0.008	0.003	0.5	92.5	
										N			0.0		
		C	99.904	120.0	0	0	0	0	Bus189	A	0.005	0.002	0.3	92.0	
										B	0.004	0.002	0.2	81.5	
										C	0.004	0.001	0.2	93.8	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow						XFMR								
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap								
Bus188	0.400	A	99.658	29.8	0	0	0.006	0.002	Bus184	A	-0.010	-0.004	0.6	93.9									
									B	-0.009	-0.005	0.6	86.7										
									C	-0.008	-0.003	0.5	92.5										
									N			0.0											
		B	99.667	-90.1	0	0	0.005	0.002	Bus188	A	0.006	0.002	0.3	95.3									
									B	0.006	0.003	0.3	89.8										
									C	0.005	0.002	0.3	91.5										
									N			0.0											
		C	99.730	149.9	0	0	0.005	0.001	Bus185	A	-0.006	-0.002	26.7	95.0									
									B	-0.005	-0.002	23.7	91.1										
									C	-0.005	-0.001	23.0	96.8										
									N			0.0											
		Bus189	33.000	A	99.894	0.0	0	0	0	0	Bus193	A	0.000	0.000	0.0	0.0							
											B	99.874	-120.0	0	0	0	0	B	0.000	0.000	0.0	0.0	
											C	99.903	120.0	0	0	0	0	C	0.000	0.000	0.0	0.0	
											N						N			0.0			
B	99.874			-120.0	0	0	0	0	0	Bus185	A	-0.005	-0.002	0.3	92.0								
										B	-0.004	-0.002	0.2	81.5									
										C	-0.004	-0.001	0.2	93.8									
										N			0.0										
C	99.903	120.0	0	0	0	0	0	Bus192	A	0.005	0.002	0.3	92.0										
								B	0.004	0.002	0.2	81.5											
								C	0.004	0.001	0.2	93.8											
								N			0.0												
Bus191	0.400	A	99.688	29.9	0	0	0.005	0.002	Bus192	A	-0.005	-0.002	22.6	94.7									
									B	99.781	-90.1	0	0	0.002	0.001	B	-0.002	-0.001	10.8	91.9			
									C	99.723	149.9	0	0	0.004	0.002	C	-0.004	-0.002	19.5	91.0			
									N						N			12.2					
Bus192	33.000	A	99.893	0.0	0	0	0	0	Bus189	A	-0.005	-0.002	0.3	92.0									
									B	99.874	-120.0	0	0	0	0	B	-0.004	-0.002	0.2	81.5			
									C	99.903	120.0	0	0	0	0	C	-0.004	-0.001	0.2	93.8			
									N						N			0.0					
		B	99.874	-120.0	0	0	0	0	0	Bus191	A	0.005	0.002	0.3	92.0								
										B	0.004	0.002	0.2	81.5									
										C	0.004	0.001	0.2	93.8									
										N			0.0										

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Bus		Voltage			Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus193	33.000	A	99.894	0.0	0	0	0	0	Bus189	A	0.000	0.000	0.0	0.0	
		B	99.874	-120.0	0	0	0	0		B	0.000	0.000	0.0	0.0	
		C	99.903	120.0	0	0	0	0		C	0.000	0.000	0.0	0.0	
										N			0.0		
Bus194	33.000	A	99.897	0.0	0	0	0	0	Bus180	A	-0.077	-0.030	4.4	93.1	
		B	99.877	-120.0	0	0	0	0		B	-0.072	-0.033	4.2	91.1	
		C	99.905	120.0	0	0	0	0		C	-0.073	-0.027	4.1	93.7	
										N			0.0		
									Bus195	A	0.077	0.030	4.4	93.1	
										B	0.072	0.033	4.2	91.1	
										C	0.073	0.027	4.1	93.7	
										N			0.0		
Bus195	33.000	A	99.891	0.0	0	0	0	0	Bus196	A	0.077	0.030	4.4	93.1	
		B	99.872	-120.0	0	0	0	0		B	0.072	0.033	4.2	91.1	
		C	99.900	120.0	0	0	0	0		C	0.073	0.027	4.1	93.7	
										N			0.0		
									Bus194	A	-0.077	-0.030	4.4	93.1	
										B	-0.072	-0.033	4.2	91.1	
										C	-0.073	-0.027	4.1	93.7	
										N			0.0		
Bus196	33.000	A	99.891	0.0	0	0	0	0	Bus195	A	-0.077	-0.030	4.4	93.1	
		B	99.872	-120.0	0	0	0	0		B	-0.072	-0.033	4.2	91.1	
		C	99.900	120.0	0	0	0	0		C	-0.073	-0.027	4.1	93.7	
										N			0.0		
									Bus197	A	0.077	0.030	4.4	93.1	
										B	0.072	0.033	4.2	91.1	
										C	0.073	0.027	4.1	93.7	
										N			0.0		
Bus197	33.000	A	99.890	0.0	0	0	0	0	Bus198	A	0.039	0.017	2.2	91.8	
		B	99.871	-120.0	0	0	0	0		B	0.038	0.019	2.3	89.8	
		C	99.899	120.0	0	0	0	0		C	0.037	0.017	2.1	90.6	
										N			0.0		
									Bus209	A	0.038	0.013	2.1	94.3	
										B	0.034	0.014	1.9	92.5	
										C	0.036	0.010	2.0	96.4	
										N			0.0		

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Bus			Voltage		Generation		Load		Load Flow							XFMR					
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap						
Bus198	33.000	A	99.889	0.0	0	0	0	0	Bus196	A	-0.077	-0.030	4.4	93.1							
									B	-0.072	-0.033	4.2	91.1								
									C	-0.073	-0.027	4.1	93.7								
									N			0.0									
		B	99.869	-120.0	0	0	0	0	Bus197	A	-0.039	-0.017	2.2	91.8							
									B	-0.038	-0.019	2.3	89.8								
									C	-0.037	-0.017	2.1	90.6								
									N			0.0									
		C	99.897	120.0	0	0	0	0	Bus200	A	0.039	0.017	2.2	91.8							
									B	0.038	0.019	2.3	89.8								
									C	0.037	0.017	2.1	90.6								
									N			0.0									
Bus200	0.400	A	98.996	29.3	0	0	0.039	0.017	Bus198	A	-0.039	-0.017	185.9	91.8							
									B	99.005	-90.6	0	0	0.037	0.017	B	-0.037	-0.017	178.6	90.6	
									C	99.085	149.4	0	0	0.038	0.015	C	-0.038	-0.015	177.7	92.6	
									N			0.0									
Bus201	33.000	A	99.887	0.0	0	0	0	0	Bus204	A	0.000	0.000	0.0	0.0							
									B	99.868	-120.0	0	0	0	0	B	0.000	0.000	0.0	0.0	
									C	99.896	120.0	0	0	0	0	C	0.000	0.000	0.0	0.0	
									N			0.0									
		B	99.868	-120.0	0	0	0	0	Bus209	A	-0.004	-0.003	0.3	81.7							
									B	-0.005	-0.002	0.3	95.1								
									C	-0.006	-0.003	0.3	90.9								
									N			0.0									
		C	99.896	120.0	0	0	0	0	Bus203	A	0.004	0.003	0.3	81.7							
									B	0.005	0.002	0.3	95.1								
									C	0.006	0.003	0.3	90.9								
									N			0.0									
Bus203	0.400	A	99.700	29.9	0	0	0.004	0.002	Bus201	A	-0.004	-0.002	18.4	91.6							
									B	99.697	-90.1	0	0	0.005	0.001	B	-0.005	-0.001	24.0	97.1	
									C	99.653	149.9	0	0	0.005	0.003	C	-0.005	-0.003	24.7	87.0	
									N			0.0									
Bus204	33.000	A	99.887	0.0	0	0	0	0	Bus201	A	0.000	0.000	0.0	0.0							
									B	99.868	-120.0	0	0	0	0	B	0.000	0.000	0.0	0.0	
									C	99.896	120.0	0	0	0	0	C	0.000	0.000	0.0	0.0	
									N			0.0									



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Bus			Voltage		Generation		Load		Load Flow						XFMR
ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus205	33.000	A	99.887	0.0	0	0	0	0	Bus205	A	0.000	0.000	0.0	0.0	
										B	0.000	0.000	0.0	0.0	
										C	0.000	0.000	0.0	0.0	
										N			0.0		
		B	99.868	-120.0	0	0	0	0	Bus206	A	0.000	0.000	0.0	0.0	
										B	0.000	0.000	0.0	0.0	
										C	0.000	0.000	0.0	0.0	
										N			0.0		
		C	99.896	120.0	0	0	0	0	Bus204	A	0.000	0.000	0.0	0.0	
										B	0.000	0.000	0.0	0.0	
										C	0.000	0.000	0.0	0.0	
										N			0.0		
		A	99.887	0.0	0	0	0	0	Bus204	A	0.000	0.000	0.0	0.0	
										B	0.000	0.000	0.0	0.0	
										C	0.000	0.000	0.0	0.0	
										N			0.0		
B	99.868	-120.0	0	0	0	0	Bus180	A	-0.019	-0.002	81.0	99.6			
								B	-0.023	-0.008	105.2	94.4			
								C	-0.015	-0.009	75.4	87.1			
								N			0.0				
C	99.504	149.7	0	0	0.015	0.009	Bus201	A	0.004	0.003	0.3	81.7			
								B	0.005	0.002	0.3	95.1			
								C	0.006	0.003	0.3	90.9			
								N			0.0				
Bus209	0.400	A	99.217	29.4	0	0	0.032	0.012	Bus197	A	-0.038	-0.013	2.1	94.3	
										B	-0.034	-0.014	1.9	92.5	
										C	-0.036	-0.010	2.0	96.4	
										N			0.0		
		B	99.362	-90.5	0	0	0.028	0.009	Bus211	A	0.034	0.011	1.9	95.6	
										B	0.029	0.012	1.7	92.1	
										C	0.030	0.007	1.6	97.3	
										N			0.0		
		C	99.404	149.4	0	0	0.033	0.007	Bus209	A	-0.032	-0.012	148.7	93.8	
										B	-0.028	-0.009	127.5	95.6	
										C	-0.033	-0.007	146.0	98.0	
										N			0.0		

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ID	kV	Phase	% Mag.	Ang.	MW	Mvar	MW	Mvar	ID	Phase	MW	Mvar	Amp	% PF	% Tap
Bus212	0.400	A	99.770	30.8	0.127	0.061	0	0	Bus213	A	0.127	0.061	611.2	90.0	
		B	99.769	-89.2	0.127	0.061	0	0		B	0.127	0.061	610.6	90.0	
		C	99.789	150.8	0.127	0.061	0	0		C	0.127	0.061	610.6	90.0	
										N			0.0		
Bus213	33.000	A	99.923	0.0	0	0	0	0	Bus212	A	-0.124	-0.057	7.2	90.9	2.500
		B	99.902	-120.0	0	0	0	0		B	-0.124	-0.057	7.2	90.8	
		C	99.925	120.0	0	0	0	0		C	-0.124	-0.057	7.2	90.8	
										N			0.0		
									Bus138	A	0.124	0.057	7.2	90.9	
										B	0.124	0.057	7.2	90.8	
										C	0.124	0.057	7.2	90.8	
										N			0.0		

\* 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  
+ The power flows across center-tap transformers correspond to the phases of the From side.