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Alert Summary Report

	% Alert Settings	
	<u>Critical</u>	<u>Marginal</u>
<u>Loading</u>		
Bus	100.0	95.0
Cable	100.0	95.0
Reactor	100.0	95.0
Line	100.0	95.0
Transformer	100.0	95.0
Panel	100.0	95.0
Protective Device	100.0	95.0
Generator	100.0	95.0
Inverter/Charger	100.0	95.0
<u>Bus Voltage</u>		
OverVoltage	105.0	102.0
UnderVoltage	95.0	98.0
<u>Generator Excitation</u>		
OverExcited (Q Max.)	100.0	95.0
UnderExcited (Q Min.)	100.0	

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Critical Alerts Report

Device ID	Type	Condition	Rating/Limit	Unit	Operating	% Operating	Phase Type
abo omar	Transformer	Overload	0.031	MVA	0.042	134.0	3-Phase
ALMISHMAS	Transformer	Overload	0.157	MVA	0.157	100.1	3-Phase
AUU intersiction ZA	Transformer	Overload	0.040	MVA	0.076	191.2	3-Phase
Bus238	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus239	Bus	Under Voltage	0.400	kV	0.379	94.8	3-Phase
Bus246	Bus	Under Voltage	0.400	kV	0.379	94.9	3-Phase
Bus247	Bus	Under Voltage	0.400	kV	0.380	94.9	3-Phase
Bus249	Bus	Under Voltage	0.400	kV	0.378	94.6	3-Phase
Bus251	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus302	Bus	Under Voltage	0.400	kV	0.378	94.4	3-Phase
Bus305	Bus	Under Voltage	0.400	kV	0.379	94.8	3-Phase
Bus321	Bus	Under Voltage	0.400	kV	0.380	94.9	3-Phase
Bus323	Bus	Under Voltage	0.400	kV	0.380	94.9	3-Phase
Bus332	Bus	Under Voltage	0.400	kV	0.376	93.9	3-Phase
Bus339	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus340	Bus	Under Voltage	0.400	kV	0.379	94.9	3-Phase
Bus341	Bus	Under Voltage	0.400	kV	0.378	94.5	3-Phase
Bus342	Bus	Under Voltage	0.400	kV	0.375	93.9	3-Phase
Bus343	Bus	Under Voltage	0.400	kV	0.376	93.9	3-Phase
Bus344	Bus	Under Voltage	0.400	kV	0.374	93.5	3-Phase
Bus345	Bus	Under Voltage	0.400	kV	0.376	94.0	3-Phase
Bus346	Bus	Under Voltage	0.400	kV	0.380	95.0	3-Phase
Bus347	Bus	Under Voltage	0.400	kV	0.373	93.3	3-Phase
Bus351	Bus	Under Voltage	0.400	kV	0.380	95.0	3-Phase
Bus357	Bus	Under Voltage	0.400	kV	0.380	94.9	3-Phase
Bus364	Bus	Under Voltage	0.400	kV	0.377	94.1	3-Phase
Bus372	Bus	Under Voltage	0.400	kV	0.373	93.1	3-Phase
Bus375	Bus	Under Voltage	0.400	kV	0.378	94.4	3-Phase
Bus377	Bus	Under Voltage	0.400	kV	0.378	94.5	3-Phase
Bus378	Bus	Under Voltage	0.400	kV	0.372	92.9	3-Phase
Bus379	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus383	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus384	Bus	Over Voltage	0.400	kV	0.455	113.7	3-Phase
Bus388	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus389	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus390	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase

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Bus391	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus392	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus393	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus394	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus408	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus409	Bus	Over Voltage	0.400	kV	0.455	113.8	3-Phase
Bus410	Bus	Over Voltage	0.400	kV	0.453	113.3	3-Phase
Bus411	Bus	Over Voltage	0.400	kV	0.448	111.9	3-Phase
Bus413	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus414	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus415	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus416	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus417	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus423	Bus	Over Voltage	0.400	kV	0.434	108.5	3-Phase
Bus424	Bus	Over Voltage	0.400	kV	0.434	108.5	3-Phase
Bus425	Bus	Over Voltage	0.400	kV	0.434	108.5	3-Phase
Bus426	Bus	Over Voltage	0.400	kV	0.434	108.5	3-Phase
Bus427	Bus	Over Voltage	0.400	kV	0.434	108.5	3-Phase
Bus428	Bus	Over Voltage	0.400	kV	0.427	106.9	3-Phase
Bus435	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus437	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus440	Bus	Under Voltage	0.400	kV	0.378	94.5	3-Phase
Bus441	Bus	Under Voltage	0.400	kV	0.380	95.0	3-Phase
Bus443	Bus	Under Voltage	0.400	kV	0.379	94.8	3-Phase
Bus449	Bus	Under Voltage	0.400	kV	0.377	94.3	3-Phase
Bus452	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus453	Bus	Under Voltage	33.000	kV	31.350	95.0	3-Phase
Bus454	Bus	Under Voltage	33.000	kV	31.335	95.0	3-Phase
Bus455	Bus	Under Voltage	33.000	kV	31.333	94.9	3-Phase
Bus456	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus457	Bus	Under Voltage	33.000	kV	31.332	94.9	3-Phase
Bus458	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus459	Bus	Under Voltage	0.400	kV	0.378	94.4	3-Phase
Bus460	Bus	Under Voltage	33.000	kV	31.315	94.9	3-Phase
Bus461	Bus	Under Voltage	33.000	kV	31.313	94.9	3-Phase
Bus462	Bus	Under Voltage	33.000	kV	31.312	94.9	3-Phase

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Bus463	Bus	Under Voltage	0.400	kV	0.377	94.4	3-Phase
Bus464	Bus	Under Voltage	33.000	kV	31.309	94.9	3-Phase
Bus465	Bus	Under Voltage	0.400	kV	0.376	94.0	3-Phase
Bus466	Bus	Under Voltage	33.000	kV	31.308	94.9	3-Phase
Bus467	Bus	Under Voltage	0.400	kV	0.378	94.6	3-Phase
Bus468	Bus	Under Voltage	33.000	kV	31.308	94.9	3-Phase
Bus469	Bus	Under Voltage	0.400	kV	0.377	94.4	3-Phase
Bus470	Bus	Under Voltage	33.000	kV	31.300	94.8	3-Phase
Bus471	Bus	Under Voltage	0.400	kV	0.376	93.9	3-Phase
Bus472	Bus	Under Voltage	33.000	kV	31.289	94.8	3-Phase
Bus473	Bus	Under Voltage	0.400	kV	0.374	93.6	3-Phase
Bus474	Bus	Under Voltage	33.000	kV	31.279	94.8	3-Phase
Bus475	Bus	Under Voltage	0.400	kV	0.378	94.6	3-Phase
Bus476	Bus	Under Voltage	33.000	kV	31.279	94.8	3-Phase
Bus477	Bus	Under Voltage	33.000	kV	31.279	94.8	3-Phase
Bus478	Bus	Under Voltage	33.000	kV	31.269	94.8	3-Phase
Bus479	Bus	Under Voltage	33.000	kV	31.269	94.8	3-Phase
Bus480	Bus	Under Voltage	0.400	kV	0.376	94.1	3-Phase
Bus481	Bus	Under Voltage	33.000	kV	31.268	94.8	3-Phase
Bus482	Bus	Under Voltage	0.400	kV	0.377	94.1	3-Phase
Bus485	Bus	Under Voltage	33.000	kV	31.269	94.8	3-Phase
Bus486	Bus	Under Voltage	33.000	kV	31.268	94.8	3-Phase
Bus487	Bus	Under Voltage	0.400	kV	0.375	93.7	3-Phase
Bus488	Bus	Under Voltage	33.000	kV	31.268	94.8	3-Phase
Bus489	Bus	Under Voltage	0.400	kV	0.378	94.4	3-Phase
Bus490	Bus	Under Voltage	33.000	kV	31.314	94.9	3-Phase
Bus491	Bus	Under Voltage	0.400	kV	0.375	93.8	3-Phase
Bus492	Bus	Under Voltage	33.000	kV	31.312	94.9	3-Phase
Bus493	Bus	Under Voltage	33.000	kV	31.312	94.9	3-Phase
Bus494	Bus	Under Voltage	0.400	kV	0.379	94.7	3-Phase
Bus495	Bus	Under Voltage	33.000	kV	31.311	94.9	3-Phase
Bus496	Bus	Under Voltage	33.000	kV	31.309	94.9	3-Phase
Bus497	Bus	Under Voltage	33.000	kV	31.310	94.9	3-Phase
Bus498	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus499	Bus	Under Voltage	0.400	kV	0.379	94.8	3-Phase
Bus500	Bus	Under Voltage	33.000	kV	31.345	95.0	3-Phase

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Bus501	Bus	Under Voltage	33.000	kV	31.344	95.0	3-Phase
Bus502	Bus	Under Voltage	0.400	kV	0.367	91.7	3-Phase
Bus503	Bus	Under Voltage	33.000	kV	31.344	95.0	3-Phase
Bus504	Bus	Under Voltage	33.000	kV	31.343	95.0	3-Phase
Bus505	Bus	Under Voltage	33.000	kV	31.344	95.0	3-Phase
Bus506	Bus	Under Voltage	0.400	kV	0.373	93.3	3-Phase
Bus507	Bus	Under Voltage	0.400	kV	0.379	94.9	3-Phase
Bus508	Bus	Under Voltage	33.000	kV	31.340	95.0	3-Phase
Bus509	Bus	Under Voltage	0.400	kV	0.378	94.5	3-Phase
Bus510	Bus	Under Voltage	33.000	kV	31.334	95.0	3-Phase
Bus511	Bus	Under Voltage	0.400	kV	0.380	94.9	3-Phase
Bus512	Bus	Under Voltage	33.000	kV	31.334	95.0	3-Phase
Bus513	Bus	Under Voltage	0.400	kV	0.378	94.6	3-Phase
Bus514	Bus	Under Voltage	33.000	kV	31.331	94.9	3-Phase
Bus515	Bus	Under Voltage	0.400	kV	0.376	94.0	3-Phase
Bus516	Bus	Under Voltage	33.000	kV	31.331	94.9	3-Phase
Bus517	Bus	Under Voltage	0.400	kV	0.377	94.2	3-Phase
Bus518	Bus	Under Voltage	33.000	kV	31.330	94.9	3-Phase
Bus519	Bus	Under Voltage	0.400	kV	0.370	92.5	3-Phase
Bus520	Bus	Under Voltage	33.000	kV	31.334	95.0	3-Phase
Bus521	Bus	Under Voltage	0.400	kV	0.379	94.9	3-Phase
Bus524	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus525	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus526	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus527	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus528	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus529	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus530	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus531	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus533	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus536	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus537	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus538	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus539	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus540	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus541	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase

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Device ID	Type	Condition	Rating/Limit	Unit	Operating	% Operating	Phase Type
Bus542	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus543	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus544	Bus	Over Voltage	0.400	kV	0.467	116.7	3-Phase
Bus545	Bus	Over Voltage	0.400	kV	0.461	115.3	3-Phase
Bus546	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus547	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus548	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus549	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus550	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus551	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus552	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus553	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus554	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus556	Bus	Over Voltage	0.400	kV	0.455	113.7	3-Phase
Bus558	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Bus560	Bus	Over Voltage	0.400	kV	0.461	115.2	3-Phase
Bus562	Bus	Over Voltage	0.400	kV	0.460	115.1	3-Phase
Bus564	Bus	Over Voltage	0.400	kV	0.454	113.5	3-Phase
Cable120	Cable	Overload	217.708	Amp	652.308	299.6	3-Phase
Cable121	Cable	Overload	217.708	Amp	580.953	266.8	3-Phase
Cable122	Cable	Overload	217.708	Amp	384.600	176.7	3-Phase
Cable123	Cable	Overload	217.708	Amp	714.598	328.2	3-Phase
Cable124	Cable	Overload	217.708	Amp	651.651	299.3	3-Phase
Cable45	Cable	Overload	217.708	Amp	651.651	299.3	3-Phase
CB1	HV CB	Overload	0.600	Amp	0.616	102.7	3-Phase
CB2	HV CB	Overload	0.600	Amp	101.014	16835.7	3-Phase
CB4	HV CB	Overload	0.600	Amp	1.670	278.4	3-Phase
CB5	HV CB	Overload	0.600	Amp	10.654	1775.6	3-Phase
CB58	HV CB	Overload	0.600	Amp	5.291	881.8	3-Phase
Line10	Line	Overload	98.800	Amp	99.648	100.9	3-Phase
Line100	Line	Overload	2.900	Amp	3.680	126.9	3-Phase
Line101	Line	Overload	2.000	Amp	2.523	126.2	3-Phase
Line102	Line	Overload	2.000	Amp	2.525	126.2	3-Phase
Line103	Line	Overload	5.800	Amp	7.315	126.1	3-Phase
Line104	Line	Overload	5.800	Amp	7.290	125.7	3-Phase
Line105	Line	Overload	5.100	Amp	6.467	126.8	3-Phase

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Line106	Line	Overload	0.900	Amp	1.117	124.1	3-Phase
Line108	Line	Overload	0.900	Amp	1.124	124.9	3-Phase
Line109	Line	Overload	3.100	Amp	3.935	126.9	3-Phase
Line11	Line	Overload	97.600	Amp	98.193	100.6	3-Phase
Line110	Line	Overload	2.800	Amp	3.540	126.4	3-Phase
Line111	Line	Overload	2.400	Amp	3.085	128.6	3-Phase
Line112	Line	Overload	1.300	Amp	1.596	122.7	3-Phase
Line113	Line	Overload	0.200	Amp	0.214	107.0	3-Phase
Line114	Line	Overload	8.900	Amp	11.207	125.9	3-Phase
Line115	Line	Overload	0.900	Amp	1.077	119.7	3-Phase
Line116	Line	Overload	8.000	Amp	10.136	126.7	3-Phase
Line117	Line	Overload	6.600	Amp	8.443	127.9	3-Phase
Line118	Line	Overload	5.000	Amp	6.265	125.3	3-Phase
Line12	Line	Overload	97.600	Amp	98.201	100.6	3-Phase
Line120	Line	Overload	2.300	Amp	2.968	129.0	3-Phase
Line121	Line	Overload	0.800	Amp	1.040	130.1	3-Phase
Line122	Line	Overload	1.800	Amp	2.301	127.8	3-Phase
Line123	Line	Overload	1.800	Amp	2.196	122.0	3-Phase
Line124	Line	Overload	0.400	Amp	0.552	138.0	3-Phase
Line125	Line	Overload	1.400	Amp	1.703	121.6	3-Phase
Line126	Line	Overload	1.400	Amp	1.690	120.7	3-Phase
Line127	Line	Overload	1.000	Amp	1.294	129.4	3-Phase
Line129	Line	Overload	80.000	Amp	81.124	101.4	3-Phase
Line13	Line	Overload	97.300	Amp	97.877	100.6	3-Phase
Line130	Line	Overload	1.800	Amp	2.397	133.2	3-Phase
Line131	Line	Overload	78.200	Amp	78.975	101.0	3-Phase
Line132	Line	Overload	77.800	Amp	78.675	101.1	3-Phase
Line133	Line	Overload	75.200	Amp	75.701	100.7	3-Phase
Line134	Line	Overload	75.200	Amp	75.718	100.7	3-Phase
Line136	Line	Overload	72.600	Amp	72.922	100.4	3-Phase
Line137	Line	Overload	2.100	Amp	2.659	126.6	3-Phase
Line141	Line	Overload	0.600	Amp	0.706	117.6	3-Phase
Line142	Line	Overload	0.600	Amp	0.717	119.5	3-Phase
Line143	Line	Overload	0.500	Amp	0.647	129.4	3-Phase
Line144	Line	Overload	0.500	Amp	0.652	130.4	3-Phase
Line145	Line	Overload	15.300	Amp	19.464	127.2	3-Phase

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Line146	Line	Overload	14.200	Amp	18.133	127.7	3-Phase
Line147	Line	Overload	0.500	Amp	0.637	127.4	3-Phase
Line148	Line	Overload	13.800	Amp	17.523	127.0	3-Phase
Line149	Line	Overload	13.000	Amp	16.624	127.9	3-Phase
Line150	Line	Overload	1.400	Amp	1.844	131.7	3-Phase
Line152	Line	Overload	10.800	Amp	13.759	127.4	3-Phase
Line153	Line	Overload	1.100	Amp	1.432	130.2	3-Phase
Line154	Line	Overload	0.700	Amp	0.914	130.6	3-Phase
Line155	Line	Overload	9.000	Amp	11.429	127.0	3-Phase
Line156	Line	Overload	6.000	Amp	7.669	127.8	3-Phase
Line157	Line	Overload	3.800	Amp	4.929	129.7	3-Phase
Line158	Line	Overload	3.300	Amp	4.216	127.8	3-Phase
Line159	Line	Overload	2.200	Amp	2.882	131.0	3-Phase
Line16	Line	Overload	4.000	Amp	5.129	128.2	3-Phase
Line160	Line	Overload	0.600	Amp	0.729	121.5	3-Phase
Line161	Line	Overload	72.600	Amp	72.913	100.4	3-Phase
Line162	Line	Overload	16.000	Amp	20.146	125.9	3-Phase
Line163	Line	Overload	11.600	Amp	14.785	127.5	3-Phase
Line164	Line	Overload	1.800	Amp	2.316	128.7	3-Phase
Line165	Line	Overload	1.800	Amp	2.327	129.3	3-Phase
Line167	Line	Overload	1.600	Amp	2.038	127.3	3-Phase
Line168	Line	Overload	0.200	Amp	0.298	149.1	3-Phase
Line17	Line	Overload	2.700	Amp	3.462	128.2	3-Phase
Line171	Line	Overload	1.400	Amp	1.784	127.4	3-Phase
Line172	Line	Overload	1.200	Amp	1.574	131.1	3-Phase
Line173	Line	Overload	0.200	Amp	0.230	114.9	3-Phase
Line177	Line	Overload	1.000	Amp	1.286	128.6	3-Phase
Line18	Line	Overload	1.300	Amp	1.670	128.5	3-Phase
Line182	Line	Overload	53.200	Amp	67.885	127.6	3-Phase
Line183	Line	Overload	51.500	Amp	65.752	127.7	3-Phase
Line184	Line	Overload	16.200	Amp	20.726	127.9	3-Phase
Line185	Line	Overload	12.200	Amp	15.505	127.1	3-Phase
Line186	Line	Overload	12.200	Amp	15.510	127.1	3-Phase
Line187	Line	Overload	11.000	Amp	14.128	128.4	3-Phase
Line188	Line	Overload	4.600	Amp	5.848	127.1	3-Phase
Line189	Line	Overload	2.200	Amp	2.796	127.1	3-Phase

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Line19	Line	Overload	1.300	Amp	1.673	128.7	3-Phase
Line190	Line	Overload	2.200	Amp	2.815	127.9	3-Phase
Line191	Line	Overload	0.500	Amp	0.647	129.5	3-Phase
Line195	Line	Overload	1.100	Amp	1.400	127.3	3-Phase
Line196	Line	Overload	4.100	Amp	5.237	127.7	3-Phase
Line197	Line	Overload	3.000	Amp	3.727	124.2	3-Phase
Line198	Line	Overload	1.600	Amp	2.087	130.4	3-Phase
Line199	Line	Overload	1.000	Amp	1.296	129.6	3-Phase
Line2	Line	Overload	103.000	Amp	104.124	101.1	3-Phase
Line20	Line	Overload	1.400	Amp	1.678	119.9	3-Phase
Line200	Line	Overload	35.400	Amp	45.217	127.7	3-Phase
Line201	Line	Overload	2.000	Amp	2.544	127.2	3-Phase
Line202	Line	Overload	2.000	Amp	2.554	127.7	3-Phase
Line203	Line	Overload	33.500	Amp	42.768	127.7	3-Phase
Line204	Line	Overload	0.600	Amp	0.740	123.3	3-Phase
Line205	Line	Overload	33.000	Amp	42.058	127.4	3-Phase
Line206	Line	Overload	17.300	Amp	21.983	127.1	3-Phase
Line207	Line	Overload	3.400	Amp	4.309	126.7	3-Phase
Line208	Line	Overload	0.900	Amp	1.125	125.0	3-Phase
Line209	Line	Overload	13.800	Amp	17.692	128.2	3-Phase
Line210	Line	Overload	11.500	Amp	14.701	127.8	3-Phase
Line212	Line	Overload	2.600	Amp	3.233	124.3	3-Phase
Line213	Line	Overload	1.000	Amp	1.312	131.2	3-Phase
Line214	Line	Overload	0.600	Amp	0.738	123.0	3-Phase
Line215	Line	Overload	8.500	Amp	10.792	127.0	3-Phase
Line216	Line	Overload	6.100	Amp	7.709	126.4	3-Phase
Line217	Line	Overload	4.600	Amp	5.972	129.8	3-Phase
Line218	Line	Overload	4.100	Amp	5.291	129.0	3-Phase
Line219	Line	Overload	4.100	Amp	5.310	129.5	3-Phase
Line220	Line	Overload	1.100	Amp	1.430	130.0	3-Phase
Line221	Line	Overload	1.100	Amp	1.452	132.0	3-Phase
Line222	Line	Overload	1.900	Amp	2.454	129.2	3-Phase
Line223	Line	Overload	1.600	Amp	2.054	128.4	3-Phase
Line224	Line	Overload	0.300	Amp	0.416	138.8	3-Phase
Line225	Line	Overload	1.100	Amp	1.371	124.6	3-Phase
Line226	Line	Overload	1.300	Amp	1.679	129.2	3-Phase

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Line227	Line	Overload	0.200	Amp	0.241	120.5	3-Phase
Line228	Line	Overload	1.100	Amp	1.452	132.0	3-Phase
Line230	Line	Overload	1.000	Amp	1.325	132.5	3-Phase
Line231	Line	Overload	15.800	Amp	20.131	127.4	3-Phase
Line232	Line	Overload	3.900	Amp	4.757	122.0	3-Phase
Line233	Line	Overload	2.200	Amp	2.898	131.7	3-Phase
Line234	Line	Overload	0.200	Amp	0.333	166.3	3-Phase
Line235	Line	Overload	2.000	Amp	2.568	128.4	3-Phase
Line236	Line	Overload	9.900	Amp	12.488	126.1	3-Phase
Line237	Line	Overload	8.500	Amp	10.836	127.5	3-Phase
Line238	Line	Overload	1.100	Amp	1.397	127.0	3-Phase
Line239	Line	Overload	7.000	Amp	9.050	129.3	3-Phase
Line24	Line	Overload	0.600	Amp	0.711	118.5	3-Phase
Line240	Line	Overload	5.800	Amp	7.335	126.5	3-Phase
Line241	Line	Overload	5.000	Amp	6.324	126.5	3-Phase
Line242	Line	Overload	0.200	Amp	0.228	114.1	3-Phase
Line243	Line	Overload	3.100	Amp	3.928	126.7	3-Phase
Line25	Line	Overload	0.600	Amp	0.711	118.4	3-Phase
Line26	Line	Overload	0.500	Amp	0.548	109.6	3-Phase
Line28	Line	Overload	0.400	Amp	0.491	122.7	3-Phase
Line3	Line	Overload	0.500	Amp	0.616	123.2	3-Phase
Line31	Line	Overload	2.100	Amp	2.805	133.6	3-Phase
Line34	Line	Overload	0.300	Amp	0.450	149.9	3-Phase
Line35	Line	Overload	0.100	Amp	0.133	132.5	3-Phase
Line4	Line	Overload	0.500	Amp	0.661	132.2	3-Phase
Line5	Line	Overload	102.200	Amp	103.567	101.3	3-Phase
Line51	Line	Overload	2.100	Amp	2.602	123.9	3-Phase
Line52	Line	Overload	1.000	Amp	1.183	118.3	3-Phase
Line57	Line	Overload	4.100	Amp	5.192	126.6	3-Phase
Line58	Line	Overload	3.400	Amp	4.445	130.7	3-Phase
Line59	Line	Overload	11.400	Amp	57.528	504.6	3-Phase
Line6	Line	Overload	100.300	Amp	101.423	101.1	3-Phase
Line60	Line	Overload	57.400	Amp	58.826	102.5	3-Phase
Line61	Line	Overload	1.300	Amp	1.548	119.1	3-Phase
Line62	Line	Overload	60.800	Amp	61.947	101.9	3-Phase
Line63	Line	Overload	0.400	Amp	0.521	130.3	3-Phase

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Line64	Line	Overload	61.100	Amp	62.413	102.1	3-Phase
Line66	Line	Overload	61.200	Amp	62.535	102.2	3-Phase
Line67	Line	Overload	67.000	Amp	69.764	104.1	3-Phase
Line68	Line	Overload	0.200	Amp	0.313	156.7	3-Phase
Line69	Line	Overload	67.100	Amp	70.019	104.4	3-Phase
Line7	Line	Overload	100.000	Amp	101.014	101.0	3-Phase
Line70	Line	Overload	0.300	Amp	0.434	144.7	3-Phase
Line71	Line	Overload	5.800	Amp	7.237	124.8	3-Phase
Line72	Line	Overload	0.900	Amp	1.081	120.1	3-Phase
Line73	Line	Overload	0.200	Amp	0.360	179.9	3-Phase
Line74	Line	Overload	5.200	Amp	6.163	118.5	3-Phase
Line75	Line	Overload	0.200	Amp	0.236	117.8	3-Phase
Line76	Line	Overload	3.400	Amp	4.266	125.5	3-Phase
Line77	Line	Overload	3.000	Amp	3.610	120.3	3-Phase
Line78	Line	Overload	2.400	Amp	3.014	125.6	3-Phase
Line79	Line	Overload	1.000	Amp	1.319	131.9	3-Phase
Line8	Line	Overload	100.000	Amp	101.021	101.0	3-Phase
Line84	Line	Overload	4.100	Amp	5.210	127.1	3-Phase
Line85	Line	Overload	3.000	Amp	3.846	128.2	3-Phase
Line86	Line	Overload	2.800	Amp	3.559	127.1	3-Phase
Line87	Line	Overload	2.800	Amp	3.561	127.2	3-Phase
Line88	Line	Overload	2.800	Amp	3.601	128.6	3-Phase
Line89	Line	Overload	2.200	Amp	2.748	124.9	3-Phase
Line9	Line	Overload	100.000	Amp	101.040	101.0	3-Phase
Line90	Line	Overload	1.500	Amp	1.914	127.6	3-Phase
Line91	Line	Overload	1.500	Amp	1.918	127.9	3-Phase
Line92	Line	Overload	0.700	Amp	0.951	135.8	3-Phase
Line97	Line	Overload	19.100	Amp	24.220	126.8	3-Phase
Line98	Line	Overload	10.300	Amp	13.060	126.8	3-Phase
Line99	Line	Overload	4.600	Amp	5.769	125.4	3-Phase
mass stones	Transformer	Overload	0.040	MVA	0.070	177.5	3-Phase
old station	Transformer	Overload	0.251	MVA	0.343	136.7	3-Phase
T1	Transformer	Overload	0.396	MVA	0.432	109.1	3-Phase
T2	Transformer	Overload	0.396	MVA	0.432	109.2	3-Phase
T6	Transformer	Overload	0.251	MVA	0.255	101.8	3-Phase
T7	Transformer	Overload	0.396	MVA	0.474	119.6	3-Phase

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T8	Transformer	Overload	0.396	MVA	0.432	109.1	3-Phase
tlfect	Transformer	Overload	0.063	MVA	0.076	120.5	3-Phase
weastern	Transformer	Overload	0.157	MVA	0.258	164.5	3-Phase

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alrfaid	Transformer	Overload	0.157	MVA	0.150	95.3	3-Phase
Bus100	Bus	Under Voltage	33.000	kV	31.836	96.5	3-Phase
Bus101	Bus	Under Voltage	33.000	kV	31.821	96.4	3-Phase
Bus102	Bus	Under Voltage	33.000	kV	31.821	96.4	3-Phase
Bus103	Bus	Under Voltage	33.000	kV	31.821	96.4	3-Phase
Bus104	Bus	Under Voltage	33.000	kV	31.817	96.4	3-Phase
Bus105	Bus	Under Voltage	33.000	kV	31.815	96.4	3-Phase
Bus106	Bus	Under Voltage	33.000	kV	31.813	96.4	3-Phase
Bus109	Bus	Under Voltage	33.000	kV	31.812	96.4	3-Phase
Bus110	Bus	Under Voltage	33.000	kV	31.811	96.4	3-Phase
Bus111	Bus	Under Voltage	33.000	kV	31.821	96.4	3-Phase
Bus112	Bus	Under Voltage	33.000	kV	31.835	96.5	3-Phase
Bus113	Bus	Under Voltage	33.000	kV	31.835	96.5	3-Phase
Bus114	Bus	Under Voltage	33.000	kV	31.734	96.2	3-Phase
Bus115	Bus	Under Voltage	33.000	kV	31.734	96.2	3-Phase
Bus116	Bus	Under Voltage	33.000	kV	31.721	96.1	3-Phase
Bus118	Bus	Under Voltage	33.000	kV	31.713	96.1	3-Phase
Bus119	Bus	Under Voltage	33.000	kV	31.712	96.1	3-Phase
Bus12	Bus	Under Voltage	33.000	kV	32.117	97.3	3-Phase
Bus120	Bus	Under Voltage	33.000	kV	31.712	96.1	3-Phase
Bus122	Bus	Under Voltage	33.000	kV	31.712	96.1	3-Phase
Bus123	Bus	Under Voltage	33.000	kV	31.714	96.1	3-Phase
Bus124	Bus	Under Voltage	33.000	kV	31.695	96.0	3-Phase
Bus125	Bus	Under Voltage	33.000	kV	31.687	96.0	3-Phase
Bus126	Bus	Under Voltage	33.000	kV	31.678	96.0	3-Phase
Bus127	Bus	Under Voltage	33.000	kV	31.675	96.0	3-Phase
Bus13	Bus	Under Voltage	33.000	kV	32.028	97.1	3-Phase
Bus135	Bus	Under Voltage	33.000	kV	31.674	96.0	3-Phase
Bus137	Bus	Under Voltage	33.000	kV	31.672	96.0	3-Phase
Bus138	Bus	Under Voltage	33.000	kV	31.667	96.0	3-Phase
Bus139	Bus	Under Voltage	33.000	kV	31.660	95.9	3-Phase
Bus14	Bus	Under Voltage	33.000	kV	31.923	96.7	3-Phase
Bus140	Bus	Under Voltage	33.000	kV	31.659	95.9	3-Phase
Bus141	Bus	Under Voltage	33.000	kV	31.659	95.9	3-Phase
Bus142	Bus	Under Voltage	33.000	kV	31.718	96.1	3-Phase
Bus143	Bus	Under Voltage	33.000	kV	31.718	96.1	3-Phase

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Device ID	Type	Condition	Rating/Limit	Unit	Operating	% Operating	Phase Type
Bus144	Bus	Under Voltage	33.000	kV	31.713	96.1	3-Phase
Bus145	Bus	Under Voltage	33.000	kV	31.712	96.1	3-Phase
Bus146	Bus	Under Voltage	33.000	kV	31.707	96.1	3-Phase
Bus147	Bus	Under Voltage	33.000	kV	31.707	96.1	3-Phase
Bus148	Bus	Under Voltage	33.000	kV	31.707	96.1	3-Phase
Bus149	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus15	Bus	Under Voltage	33.000	kV	31.866	96.6	3-Phase
Bus150	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus151	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus152	Bus	Under Voltage	33.000	kV	31.710	96.1	3-Phase
Bus153	Bus	Under Voltage	33.000	kV	31.710	96.1	3-Phase
Bus154	Bus	Under Voltage	33.000	kV	31.707	96.1	3-Phase
Bus155	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus156	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus157	Bus	Under Voltage	33.000	kV	31.706	96.1	3-Phase
Bus158	Bus	Under Voltage	33.000	kV	31.810	96.4	3-Phase
Bus159	Bus	Under Voltage	33.000	kV	31.809	96.4	3-Phase
Bus16	Bus	Under Voltage	33.000	kV	31.830	96.5	3-Phase
Bus160	Bus	Under Voltage	33.000	kV	31.801	96.4	3-Phase
Bus161	Bus	Under Voltage	33.000	kV	31.777	96.3	3-Phase
Bus162	Bus	Under Voltage	33.000	kV	31.769	96.3	3-Phase
Bus163	Bus	Under Voltage	33.000	kV	31.769	96.3	3-Phase
Bus164	Bus	Under Voltage	33.000	kV	31.714	96.1	3-Phase
Bus165	Bus	Under Voltage	33.000	kV	31.705	96.1	3-Phase
Bus167	Bus	Under Voltage	33.000	kV	31.678	96.0	3-Phase
Bus168	Bus	Under Voltage	33.000	kV	31.677	96.0	3-Phase
Bus169	Bus	Under Voltage	33.000	kV	31.659	95.9	3-Phase
Bus17	Bus	Under Voltage	33.000	kV	31.813	96.4	3-Phase
Bus170	Bus	Under Voltage	33.000	kV	31.659	95.9	3-Phase
Bus171	Bus	Under Voltage	33.000	kV	31.632	95.9	3-Phase
Bus173	Bus	Under Voltage	33.000	kV	31.624	95.8	3-Phase
Bus174	Bus	Under Voltage	33.000	kV	31.623	95.8	3-Phase
Bus175	Bus	Under Voltage	33.000	kV	31.622	95.8	3-Phase
Bus176	Bus	Under Voltage	33.000	kV	31.622	95.8	3-Phase
Bus177	Bus	Under Voltage	33.000	kV	31.621	95.8	3-Phase
Bus178	Bus	Under Voltage	33.000	kV	31.618	95.8	3-Phase

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Bus179	Bus	Under Voltage	33.000	kV	31.599	95.8	3-Phase
Bus18	Bus	Under Voltage	33.000	kV	31.804	96.4	3-Phase
Bus180	Bus	Under Voltage	33.000	kV	31.599	95.8	3-Phase
Bus181	Bus	Under Voltage	33.000	kV	31.560	95.6	3-Phase
Bus182	Bus	Under Voltage	33.000	kV	31.534	95.6	3-Phase
Bus183	Bus	Under Voltage	33.000	kV	31.533	95.6	3-Phase
Bus184	Bus	Under Voltage	33.000	kV	31.530	95.5	3-Phase
Bus185	Bus	Under Voltage	33.000	kV	31.523	95.5	3-Phase
Bus186	Bus	Under Voltage	33.000	kV	31.522	95.5	3-Phase
Bus187	Bus	Under Voltage	33.000	kV	31.522	95.5	3-Phase
Bus188	Bus	Under Voltage	33.000	kV	31.510	95.5	3-Phase
Bus189	Bus	Under Voltage	33.000	kV	31.504	95.5	3-Phase
Bus19	Bus	Under Voltage	33.000	kV	31.800	96.4	3-Phase
Bus190	Bus	Under Voltage	33.000	kV	31.504	95.5	3-Phase
Bus191	Bus	Under Voltage	33.000	kV	31.501	95.5	3-Phase
Bus192	Bus	Under Voltage	33.000	kV	31.498	95.4	3-Phase
Bus193	Bus	Under Voltage	33.000	kV	31.503	95.5	3-Phase
Bus194	Bus	Under Voltage	33.000	kV	31.510	95.5	3-Phase
Bus195	Bus	Under Voltage	33.000	kV	31.510	95.5	3-Phase
Bus196	Bus	Under Voltage	33.000	kV	31.507	95.5	3-Phase
Bus197	Bus	Under Voltage	33.000	kV	31.503	95.5	3-Phase
Bus198	Bus	Under Voltage	33.000	kV	31.502	95.5	3-Phase
Bus199	Bus	Under Voltage	33.000	kV	31.502	95.5	3-Phase
Bus20	Bus	Under Voltage	33.000	kV	31.799	96.4	3-Phase
Bus201	Bus	Under Voltage	33.000	kV	31.502	95.5	3-Phase
Bus202	Bus	Under Voltage	33.000	kV	31.501	95.5	3-Phase
Bus203	Bus	Under Voltage	33.000	kV	31.501	95.5	3-Phase
Bus21	Bus	Under Voltage	33.000	kV	31.798	96.4	3-Phase
Bus22	Bus	Under Voltage	33.000	kV	31.799	96.4	3-Phase
Bus229	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus23	Bus	Under Voltage	33.000	kV	31.799	96.4	3-Phase
Bus234	Bus	Under Voltage	0.400	kV	0.381	95.4	3-Phase
Bus235	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus237	Bus	Under Voltage	0.400	kV	0.385	96.1	3-Phase
Bus24	Bus	Under Voltage	33.000	kV	31.798	96.4	3-Phase
Bus240	Bus	Under Voltage	0.400	kV	0.385	96.2	3-Phase

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Bus248	Bus	Under Voltage	0.400	kV	0.384	95.9	3-Phase
Bus25	Bus	Under Voltage	33.000	kV	31.797	96.4	3-Phase
Bus250	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus252	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus253	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus254	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus255	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus256	Bus	Under Voltage	0.400	kV	0.382	95.4	3-Phase
Bus257	Bus	Under Voltage	0.400	kV	0.385	96.3	3-Phase
Bus258	Bus	Under Voltage	0.400	kV	0.382	95.5	3-Phase
Bus259	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus26	Bus	Under Voltage	33.000	kV	31.798	96.4	3-Phase
Bus260	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus261	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus262	Bus	Under Voltage	0.400	kV	0.380	95.1	3-Phase
Bus263	Bus	Under Voltage	0.400	kV	0.385	96.1	3-Phase
Bus264	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus268	Bus	Under Voltage	0.400	kV	0.385	96.3	3-Phase
Bus269	Bus	Under Voltage	0.400	kV	0.383	95.9	3-Phase
Bus27	Bus	Under Voltage	33.000	kV	31.798	96.4	3-Phase
Bus270	Bus	Under Voltage	0.400	kV	0.381	95.3	3-Phase
Bus271	Bus	Under Voltage	0.400	kV	0.382	95.4	3-Phase
Bus272	Bus	Under Voltage	0.400	kV	0.385	96.2	3-Phase
Bus273	Bus	Under Voltage	0.400	kV	0.388	97.0	3-Phase
Bus274	Bus	Under Voltage	0.400	kV	0.387	96.7	3-Phase
Bus275	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus276	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus277	Bus	Under Voltage	0.400	kV	0.390	97.6	3-Phase
Bus278	Bus	Under Voltage	0.400	kV	0.386	96.6	3-Phase
Bus28	Bus	Under Voltage	33.000	kV	31.796	96.4	3-Phase
Bus280	Bus	Under Voltage	0.400	kV	0.382	95.6	3-Phase
Bus281	Bus	Under Voltage	0.400	kV	0.383	95.6	3-Phase
Bus282	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus283	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus284	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus285	Bus	Under Voltage	0.400	kV	0.383	95.8	3-Phase

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Bus286	Bus	Under Voltage	0.400	kV	0.383	95.8	3-Phase
Bus288	Bus	Under Voltage	0.400	kV	0.386	96.6	3-Phase
Bus29	Bus	Under Voltage	33.000	kV	31.795	96.3	3-Phase
Bus291	Bus	Under Voltage	0.400	kV	0.391	97.8	3-Phase
Bus299	Bus	Under Voltage	0.400	kV	0.387	96.9	3-Phase
Bus30	Bus	Under Voltage	33.000	kV	31.792	96.3	3-Phase
Bus300	Bus	Under Voltage	0.400	kV	0.384	95.9	3-Phase
Bus301	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus303	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus304	Bus	Under Voltage	0.400	kV	0.385	96.2	3-Phase
Bus306	Bus	Under Voltage	0.400	kV	0.382	95.4	3-Phase
Bus307	Bus	Under Voltage	0.400	kV	0.382	95.6	3-Phase
Bus308	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus309	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus31	Bus	Under Voltage	33.000	kV	31.792	96.3	3-Phase
Bus310	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus311	Bus	Under Voltage	0.400	kV	0.384	96.1	3-Phase
Bus312	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus313	Bus	Under Voltage	0.400	kV	0.382	95.6	3-Phase
Bus314	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus315	Bus	Under Voltage	0.400	kV	0.384	95.9	3-Phase
Bus316	Bus	Under Voltage	0.400	kV	0.386	96.4	3-Phase
Bus317	Bus	Under Voltage	0.400	kV	0.381	95.3	3-Phase
Bus319	Bus	Under Voltage	0.400	kV	0.382	95.5	3-Phase
Bus32	Bus	Under Voltage	33.000	kV	31.792	96.3	3-Phase
Bus320	Bus	Under Voltage	0.400	kV	0.381	95.4	3-Phase
Bus322	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus324	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus325	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus327	Bus	Under Voltage	0.400	kV	0.382	95.6	3-Phase
Bus328	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus329	Bus	Under Voltage	0.400	kV	0.382	95.6	3-Phase
Bus33	Bus	Under Voltage	33.000	kV	31.791	96.3	3-Phase
Bus330	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus331	Bus	Under Voltage	0.400	kV	0.384	96.0	3-Phase
Bus333	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase

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Bus334	Bus	Under Voltage	0.400	kV	0.380	95.1	3-Phase
Bus335	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus336	Bus	Under Voltage	0.400	kV	0.380	95.1	3-Phase
Bus337	Bus	Under Voltage	0.400	kV	0.381	95.3	3-Phase
Bus338	Bus	Under Voltage	0.400	kV	0.382	95.4	3-Phase
Bus34	Bus	Under Voltage	33.000	kV	31.790	96.3	3-Phase
Bus348	Bus	Under Voltage	0.400	kV	0.381	95.1	3-Phase
Bus349	Bus	Under Voltage	0.400	kV	0.381	95.3	3-Phase
Bus35	Bus	Under Voltage	33.000	kV	31.789	96.3	3-Phase
Bus350	Bus	Under Voltage	0.400	kV	0.381	95.3	3-Phase
Bus352	Bus	Under Voltage	0.400	kV	0.382	95.4	3-Phase
Bus353	Bus	Under Voltage	33.000	kV	31.587	95.7	3-Phase
Bus354	Bus	Under Voltage	33.000	kV	31.587	95.7	3-Phase
Bus355	Bus	Under Voltage	33.000	kV	31.527	95.5	3-Phase
Bus356	Bus	Under Voltage	33.000	kV	31.526	95.5	3-Phase
Bus358	Bus	Under Voltage	33.000	kV	31.512	95.5	3-Phase
Bus359	Bus	Under Voltage	33.000	kV	31.512	95.5	3-Phase
Bus36	Bus	Under Voltage	33.000	kV	31.789	96.3	3-Phase
Bus360	Bus	Under Voltage	0.400	kV	0.381	95.2	3-Phase
Bus361	Bus	Under Voltage	33.000	kV	31.490	95.4	3-Phase
Bus362	Bus	Under Voltage	33.000	kV	31.498	95.4	3-Phase
Bus363	Bus	Under Voltage	33.000	kV	31.448	95.3	3-Phase
Bus365	Bus	Under Voltage	33.000	kV	31.411	95.2	3-Phase
Bus366	Bus	Under Voltage	33.000	kV	31.405	95.2	3-Phase
Bus367	Bus	Under Voltage	33.000	kV	31.393	95.1	3-Phase
Bus368	Bus	Under Voltage	33.000	kV	31.393	95.1	3-Phase
Bus369	Bus	Under Voltage	33.000	kV	31.388	95.1	3-Phase
Bus37	Bus	Under Voltage	33.000	kV	31.789	96.3	3-Phase
Bus370	Bus	Under Voltage	33.000	kV	31.382	95.1	3-Phase
Bus371	Bus	Under Voltage	33.000	kV	31.371	95.1	3-Phase
Bus373	Bus	Under Voltage	33.000	kV	31.382	95.1	3-Phase
Bus374	Bus	Under Voltage	33.000	kV	31.378	95.1	3-Phase
Bus376	Bus	Under Voltage	33.000	kV	31.377	95.1	3-Phase
Bus38	Bus	Under Voltage	33.000	kV	31.789	96.3	3-Phase
Bus39	Bus	Under Voltage	33.000	kV	31.788	96.3	3-Phase
Bus395	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase

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Bus396	Bus	Under Voltage	33.000	kV	31.507	95.5	3-Phase
Bus40	Bus	Under Voltage	33.000	kV	31.788	96.3	3-Phase
Bus41	Bus	Under Voltage	33.000	kV	31.790	96.3	3-Phase
Bus42	Bus	Under Voltage	33.000	kV	31.796	96.4	3-Phase
Bus429	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus43	Bus	Under Voltage	33.000	kV	31.795	96.3	3-Phase
Bus430	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus431	Bus	Under Voltage	0.400	kV	0.383	95.9	3-Phase
Bus432	Bus	Under Voltage	0.400	kV	0.383	95.6	3-Phase
Bus433	Bus	Under Voltage	0.400	kV	0.383	95.7	3-Phase
Bus434	Bus	Under Voltage	33.000	kV	31.387	95.1	3-Phase
Bus436	Bus	Under Voltage	33.000	kV	31.404	95.2	3-Phase
Bus438	Bus	Under Voltage	33.000	kV	31.400	95.2	3-Phase
Bus439	Bus	Under Voltage	33.000	kV	31.399	95.1	3-Phase
Bus44	Bus	Under Voltage	33.000	kV	31.795	96.3	3-Phase
Bus442	Bus	Under Voltage	33.000	kV	31.397	95.1	3-Phase
Bus444	Bus	Under Voltage	33.000	kV	31.391	95.1	3-Phase
Bus446	Bus	Under Voltage	33.000	kV	31.390	95.1	3-Phase
Bus448	Bus	Under Voltage	33.000	kV	31.388	95.1	3-Phase
Bus45	Bus	Under Voltage	33.000	kV	31.800	96.4	3-Phase
Bus450	Bus	Under Voltage	33.000	kV	31.382	95.1	3-Phase
Bus451	Bus	Under Voltage	33.000	kV	31.382	95.1	3-Phase
Bus46	Bus	Under Voltage	33.000	kV	31.823	96.4	3-Phase
Bus47	Bus	Under Voltage	33.000	kV	31.827	96.4	3-Phase
Bus48	Bus	Under Voltage	33.000	kV	31.829	96.5	3-Phase
Bus49	Bus	Under Voltage	33.000	kV	31.829	96.5	3-Phase
Bus50	Bus	Under Voltage	33.000	kV	31.831	96.5	3-Phase
Bus51	Bus	Under Voltage	33.000	kV	31.831	96.5	3-Phase
Bus52	Bus	Under Voltage	33.000	kV	31.831	96.5	3-Phase
Bus53	Bus	Under Voltage	33.000	kV	31.831	96.5	3-Phase
Bus54	Bus	Under Voltage	33.000	kV	31.831	96.5	3-Phase
Bus55	Bus	Under Voltage	33.000	kV	31.834	96.5	3-Phase
Bus56	Bus	Under Voltage	33.000	kV	31.834	96.5	3-Phase
Bus57	Bus	Under Voltage	33.000	kV	31.851	96.5	3-Phase
Bus58	Bus	Under Voltage	33.000	kV	31.857	96.5	3-Phase
Bus59	Bus	Under Voltage	33.000	kV	31.866	96.6	3-Phase

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Bus60	Bus	Under Voltage	33.000	kV	31.866	96.6	3-Phase
Bus61	Bus	Under Voltage	33.000	kV	31.877	96.6	3-Phase
Bus62	Bus	Under Voltage	33.000	kV	31.884	96.6	3-Phase
Bus63	Bus	Under Voltage	33.000	kV	31.884	96.6	3-Phase
Bus64	Bus	Under Voltage	33.000	kV	31.884	96.6	3-Phase
Bus65	Bus	Under Voltage	33.000	kV	31.884	96.6	3-Phase
Bus66	Bus	Under Voltage	33.000	kV	31.883	96.6	3-Phase
Bus67	Bus	Under Voltage	33.000	kV	31.919	96.7	3-Phase
Bus68	Bus	Under Voltage	33.000	kV	32.080	97.2	3-Phase
Bus69	Bus	Under Voltage	33.000	kV	32.140	97.4	3-Phase
Bus70	Bus	Under Voltage	33.000	kV	32.170	97.5	3-Phase
Bus71	Bus	Under Voltage	33.000	kV	32.165	97.5	3-Phase
Bus72	Bus	Under Voltage	33.000	kV	32.155	97.4	3-Phase
Bus73	Bus	Under Voltage	33.000	kV	32.173	97.5	3-Phase
Bus96	Bus	Under Voltage	33.000	kV	31.845	96.5	3-Phase
Bus97	Bus	Under Voltage	33.000	kV	31.845	96.5	3-Phase
Bus98	Bus	Under Voltage	33.000	kV	31.840	96.5	3-Phase
Bus99	Bus	Under Voltage	33.000	kV	31.839	96.5	3-Phase
Line138	Line	Overload	70.500	Amp	70.465	100.0	3-Phase
Line139	Line	Overload	70.500	Amp	70.475	100.0	3-Phase
Line175	Line	Overload	54.200	Amp	54.126	99.9	3-Phase
Line176	Line	Overload	54.200	Amp	54.162	99.9	3-Phase
Line178	Line	Overload	53.300	Amp	53.129	99.7	3-Phase
Line180	Line	Overload	53.200	Amp	53.101	99.8	3-Phase
Line50	Line	Overload	49.000	Amp	46.558	95.0	3-Phase
Line53	Line	Overload	51.100	Amp	49.150	96.2	3-Phase
Line54	Line	Overload	52.100	Amp	50.392	96.7	3-Phase
Line55	Line	Overload	52.600	Amp	51.046	97.0	3-Phase
Line56	Line	Overload	53.800	Amp	52.603	97.8	3-Phase
T3	Transformer	Overload	0.396	MVA	0.385	97.3	3-Phase